

## PROJECT OVERVIEW REPORT

1. UTC Identifying Number  
69A3551847102
2. Center Identifying Number  
CAIT-UTC-REG64
3. Project Title  
NJ Transit Northern Bus Garage Planning and Community Impact Evaluation
4. Principal Investigator & Contact Information  
Peter Jin, Ph.D.  
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5. Rutgers/CAIT Project Manager  
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6. Customer Principal  
Marc J. Tuozzolo, Director of Capital Planning  
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7. Project Description  
The primary goal of this proposal is to assist NJ TRANSIT'S Bus Service Planning department to create a complete roster of the 500 bus capacity Northern bus garage determining stats such as platform hours and non-revenue mileage totals for potential auditing purposes.
8. Implementation of Research Outcomes (or why not implemented)  
The intended outcome of the project includes several modules for bus dispatching, including data archiving, processing and visualization. These modules can directly be integrated with the existing HASTUS bus scheduling system from NJ Transit. The before and after analysis on key performance metrics will help provide insights on the impact of the new garage on the operational improvement of NJ TRANSIT bus operations in its service areas.
9. Impacts/Benefits of Implementation (actual, not anticipated)  
To Be Determined

## 10. Dates and Budget

Start date: 1/24/2022  
End date: 1/31/2023  
UTC (CAIT) Dollars: \$48,574  
Cost Sharing: \$0  
Total Dollars: \$48,574

## 11. Keywords

Bus Garage; Bus Scheduling System; Travel Experience Improvement

## 12. Web Links (Reports and Project Website)

<https://cait.rutgers.edu/research/nj-transit-northern-bus-garage-planning-and-community-impact-evaluation/>