

FREDDIE O'CONNELL
MAYOR



METROPOLITAN GOVERNMENT OF NASHVILLE AND DAVIDSON COUNTY

**NASHVILLE DEPARTMENT OF TRANSPORTATION
AND MULTIMODAL INFRASTRUCTURE**

July 23, 2024

Secretary Pete Buttigieg
U.S. Department of Transportation
1200 New Jersey Avenue, SE
Washington, DC, 20590

Subject: Letter of Commitment for 2024 SMART Grant Application: Leveraging
Advanced Data to Deliver Multimodal Safety (LADDMS)

Dear Secretary Buttigieg,

The Nashville Department of Transportation and Multimodal Infrastructure (NDOT) wishes to express its full commitment for the Leveraging Advanced Data to Deliver Multimodal Safety (LADDMS) project under the United States Department of Transportation's SMART Discretionary Grant Program. The LADDMS project is a research collaboration effort with NDOT, University of Tennessee (Chattanooga), Vanderbilt University, Tennessee State University, Tennessee Department of Transportation, Ouster, Stansell Electric and other local stakeholders. This project will identify safety incidents outside traditional crash reports, implementing targeted safety measures, and evaluating these measures in Nashville's complex multimodal environment under the city's Vision Zero Plans. This project will benefit the Nolensville Pike area and North Nashville area by improving safety for all transportation network users with an emphasis on pedestrians and bicyclists who have been traditionally underrepresented in safety studies.

This project builds on the very successful Phase 1 project that has validated LiDAR as a new tool to improve roadway safety, while also demonstrating the team's commitment to community engagement, community impact, and workforce development. In Phase 2, we will scale this proof of concept, solidifying Nashville's, and Tennessee's leadership in transportation innovation. As demonstrated in Phase 1, our team is dedicated to delivering a successful project.

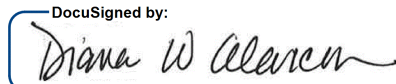
If awarded, the LADDMS project will install LiDAR technologies at key intersections and mid-block segments. NDOT plans to collect and evaluate "near-miss" data that would not be identified using traditional evaluation methods, enabling NDOT to further protect our transportation network's most vulnerable individuals. NDOT plans to expand and apply the successful practices to our other neighborhood segments along the High Injury Network (HIN), as NDOT executes the city's Vision Zero Plans.

This project aligns seamlessly with USDOT priorities and merit criteria, emphasizing innovation, data-driven solutions, and multimodal safety enhancements. The LADDMS initiative exemplifies our commitment to fostering safer and more efficient transportation systems.

Thank you for your consideration of the LADDMS project for the 2024 SMART Discretionary Grant Program. If NDOT can be of any further assistance, please do not hesitate to contact the NDOT Project Manager Robert White at (615) 862-8764 or via e-mail at Robert.White@nashville.gov.

Sincerely,

Diana W. Alarcon , Director

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Nashville Department of Transportation
and Multimodal Infrastructure