

Status Report for STIC Incentive Projects

(5/17/24)

State: (NC)

STIC Incentive Projects

Project Name	State Champion	Federal Fiscal Year	Federal Funds - Amount Allocated	Federal Funds - Amount Obligated	Federal Funds - Amount Expended
Pilot Debris Removal Systems	Dominic Ciaramitaro	2024	\$65,680	\$65,680	\$0

STIC Project #1: Pilot Debris Removal Systems

Progress Report #:1

Description of Proposed Work: (Overview of Project Proposal and Anticipated Outcome)

NCDOT's Traffic Systems Operations (TSO) is using STIC incentive funds to support a pilot assessment of the viability and benefits of different debris removal systems installed on NCDOT's Incident Management Assistance Patrol (IMAP) vehicles. Integration of the equipment will allow IMAP drivers to remove debris from travel lanes without the IMAP responders needing to leave the protections of the vehicle. The idea of the debris removal tool is to minimize safety risks to the driver as it decreases the time the driver is in the roadway with live traffic. In addition, more efficient debris removal reduces the risk of crashes. The STIC funding supports the procurement and installation of the equipment.

Status:

The TSO unit will vet 4 different debris removal solutions. One system, Lane Blade, is already installed and in use. Another system, Debris Clear, is in the procurement stage. TSO is coordinating with Fleet Management on the fabrication and installation of the final two systems.