

## **Status Report for STIC Incentive Projects**

**(11/15/24)**

**State: (NC)**

### **STIC Incentive Projects**

<b>Project Name</b>	<b>State Champion</b>	<b>Federal Fiscal Year</b>	<b>Federal Funds - Amount Allocated</b>	<b>Federal Funds - Amount Obligated</b>	<b>Federal Funds - Amount Expended</b>
Pilot Debris Removal Systems	Dominic Ciaramitaro	2024	\$65,680	\$24,999	\$385.57

### **STIC Project #1:** Pilot Debris Removal Systems

#### **Progress Report #2**

#### **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:**

TSO has installed 1 of 4 debris removal systems (Lane Blade), 1 system has been procured through SW Purchasing (Debris Clear) and is ready to install, and the last 2 systems are still in procurement through SW Fleet Management's vendors (vendors identified to fabricate / install and have quotes). Originally, TSO was going to install the 3 systems on new F-450 trucks being built by SW Fleet Management. However, because of delays in the new trucks' fabrication and delivery until sometime in CY 2025, TSO will select existing F-450 trucks to install the tools in the first quarter of CY 2025.