
Statewide ITS Resilience Services Project Synopsis

Project Description and Purpose

- NCDOT's ITS devices are critical to the traffic operations program, including emergency management, incident management, daily freeway management, integrated corridor management, and traveler information systems.
- The primary purpose of the Statewide ITS Resilience Service Project is to provide a performance-based contract for increasing ITS device availability and functionality across the state. Higher performance by these systems will ultimately save lives, reduce congestion, reduce environmental impacts, and enable the highest level of return on investment for the state's roadway infrastructure.
- The project will procure an Operations and Maintenance (O&M) Contractor to perform maintenance, repair, replacement, installation, management, and documentation of the Department's ITS devices, ITS communications infrastructure, and related infrastructure statewide across North Carolina. The project will consist of two phases of operations and maintenance services:
 - Phase I includes an initial evaluation and maintenance element to provide preventive and responsive maintenance on all devices such that they meet an operational standard.
 - Phase II includes on-going preventive and responsive maintenance over the duration of the contract.

ITS

- The O&M Contractor shall be responsible for:
 - preventative and responsive maintenance of ITS devices;
 - preventive and responsive maintenance of communications and electrical cabling and infrastructure;
 - replacement of failed or obsolescent devices, including DMS design when a DMS needs replacement; and
 - providing research and support for accurate configuration and population of NCDOT's Fiber Asset Management System (FAMS).

Transportation Management

- The Contractor shall develop and implement Transportation Management Plans for multiple scenarios (i.e., lane closure, shoulder closure, etc.) to complete preventive maintenance, responsive maintenance, and device replacement. These services are incidental to the preventive, responsive, and replacement services listed under ITS above.

Utility Construction

- The O&M Contractor shall be responsible for NC811 underground location services. These services are incidental to the preventive, responsive, and replacement services listed under ITS above.