RICK SCOTT
GOVERNOR

Florida Department of Transportation
719 S. Woodland Boulevard
DeLand, Florida 32720-6834

Mike Dew
SECRETARY

Addendum 1

ADVERTISEMENT NUMBER: RFP-DOT-17-18-5011-ICMM
DESCRIPTION: Integrated Corridor Management Modeling Software
DATE: March 21, 2018

Section 2.3.1 of Exhibit A, Scope of Services has been modified as follows:

2.3.1 Predictive Engine Maintenance Function

The maintenance function provides 30-minute horizon predictions every five minutes as well as provides a near real-time evaluation system to be used to evaluate potential event response plans and other strategies on-demand. The PRE component runs 24-hours a day / 7-days a week and is available for evaluations at any time.

The core network for the PRE component will be the planning model and represents the main corridors and parallel arterials of the Central Florida Transportation Network. As the planning model will be configured for typical day operations, the PRE component will need further refinement on the demands and operational parameters to be able to accurately represent any day of the year. The PRE component and COTS software should be able to represent the following for any given day:

- Updated travel flows and demands;
- Accurate speeds and congestion;
- Correct implementation of ITS devices and systems;
- Any changes to travel patterns due to the change in demand; and
- Accurately predict queue propagation and dispersal.

The PRE component will also include a deterministic model as part of the ICMS that will work with the simulation model to evaluate and optimize the signalized intersection corridors within the network.

The PRE component will be integrated as part of the DSS subsystem and include access to several data connections that will allow the PRE to collect the status of all devices in real-time, including, but not limited to:

- Current traffic signal timing plans and operational model
- Ramp meter status and rate, if applicable.
- Detector status including flows and speeds.
- Dynamic message signs message status
- Transit automatic vehicle location and status data.
- Event and incident status messages, including start time, blockage pattern, and severity.
- Weather status data.
- Other deployed ITS devices.

This maintenance function of the PRE component is to provide a rolling 30-minute horizon view of the traffic conditions on the roadway network, including a 10, 20, and 30-minute forecast. These predictions should be run in under 5 minutes using a mesoscopic simulation with enough fidelity allowing the system to calculate the benefits of changes to signals, ramps and incorporation of corridor strategies such as signal coordinates. The rolling horizon will provide the demands and loaded network that will be the starting point for the evaluation models.

TO ACKNOWLEDGE RECEIPT OF THIS NOTICE AND ALL CHANGES, PLEASE SIGN AND RETURN BY E-FAX TO THIS OFFICE @ (850) 412-8092 PRIOR TO 4-3-2018 at 2:00PM

Name of Company: _____

Authorized Signature: _____ Date: _____

FAILURE TO FILE A PROTEST WITHIN THE TIME PRESCRIBED IN SECTION 120.57(3), F.S. SHALL CONSTITUTE A WAIVER OF PROCEEDINGS UNDER CHAPTER 120, F.S.