

## ITEM NO. 5

### Commuter Rail Modeling

The Center for Advanced Transportation Systems Simulation (CATSS) Team (UCF, AT&T Government Solutions, and Engineering and Computer Simulations (ECS) are presenting a simulation of the proposed commuter rail as it passes through four Central Florida Counties (60 plus miles).

This simulation includes: **Volusia County** – Deland, Orange City, DeBary; **Seminole County** – Sanford, Lake Mary/SCC, Fern Park, Altamonte Springs; **Orange County** – Winter Park, Florida Hospital, Lynx Central Station, Sligh Boulevard, Sandlake Road; **Osceola County** – Osceola Parkway, Kissimmee, Poinciana. The Objectives being demonstrated will include:

- 3D visualization and simulation of the Commuter Rail corridor.
- Commuter Rail Station modeling and simulation of the **Sanford Amtrak Autotrain Station**
- Mathematical simulation modeling of existing and future traffic flow based on interactions with proposed commuter rail.
- A tool for conducting “what if” analyses for transportation expansions and township redevelopments.