COURSE DESCRIPTION
In this course the student will learn additional laws of physics that apply to speed, acceleration, and frictional forces. The dynamics of a vehicle in motion with respect to airborne situations such as falls vaults, and flips will be covered. An introduction to linear momentum will complete this vehicle dynamics section. The student will also learn to analyze impact damage as it relates to vehicle and occupant movement. This course is ideal for the officer on a career track to become a traffic crash Reconstructionist. An exercise in the measurement of vehicle crush deformation will be conducted.

Course topics will include:

- Vehicle lamp examination
- Vehicle tire evaluation
- Vehicle dynamics; motion, distance, and time
- Vehicle airborne dynamics
- Vehicle damage evaluation
- Conservation of momentum

CLASS INFORMATION
PREREQUISITES:
To attend this training the participant must be a Florida Law Enforcement Officer or Assistant State Attorney. Students must have successfully completed the Basic Traffic Homicide Course (80 hours). Participants should have an aptitude towards mathematics. This class is 80 hours and is a salary incentive course. Salary incentive forms must be signed by a representative authorizing incentive pay from your agency.

WHAT SHOULD I BRING?
Students should bring calculator, equation handbook, crash template, and manuals provided at BASIC THI class.

WHAT ARE THE EXPENSES TO ATTEND?
Tuition for FDOT grant funded classes is covered fully by the grant. Housing and meals are covered ONLY for classes held at the Florida Public Safety Institute where the student is traveling over 50