

Basic Traffic Accident Investigation

- I. Introduction
 - A. Introduction to instructors/facility
 - B. Course description
 - 1. CVC 40600
 - C. Course goals
 - 1. Course outline
 - 2. Required texts and materials
 - 3. Course schedule and information
- II. Collision Investigation Manual (CIM)
 - A. Overview of the CIM
 - B. What is a traffic collision
 - C. Chapter 2
 - 1. (definitions)
 - D. Chapter 3
 - 1. (CHP 555 page 1)
 - E. Chapter 3
 - 1. (Investigation Narrative Format)
 - F. Chapter 3
 - 1. (Report Narrative Format)
 - G. Chapter 3
 - 1. (Vehicle Type Codes)
 - H. Chapter 4
 - 1. (CHP 555 page 2)
 - I. Chapter 5
 - 1. (CHP 555 page 3)
 - J. Chapter 6
 - 1. (CHP 555 page 4)
- III. California Vehicle Code (CVC)
 - A. Why the CVC is in place and enforced
 - 1. Categories and sessions
 - B. Primary collision factor (PCF)
 - C. Most Common CVC sections violated
 - 1. List of violations
- IV. Collision Investigation Procedures
 - A. When a collision should be documented
 - B. Filing complaints
- V. Collision Scene Management
 - A. Your responsibilities
 - B. Dealing with fatalities
 - C. MAIT Involvement
- VI. Human Factors
 - A. Injury Mechanism
 - 1. The Second Collision
 - B. Perception and reaction times

- VII. Vehicle Factors
 - A. The investigation begins
 - B. Basic Vehicle inspections
- VIII. Crime Scene Photography
 - A. How to take photographs of the scene
- IX. Driving Under the Influence
 - A. CVC 40300.5
 - B. What are the issues
 - C. Reports
 - D. DUI as the primary collision factor
- X. Hit and Run Investigations
 - A. CVC 20001(a)
 - B. CVC 20002(a)
 - C. CVC 20003(a)
 - D. CVC 20004(a)
 - E. The Investigation
 - F. Follow up activities
 - G. The interrogation
 - H. Impound authorities
 - I. What report to write and when
- XI. Insurance Fraud
 - A. What signs to look for
 - B. How to deal with fraud
- XII. Basic Skid Analysis
 - A. Drag factor
 - 1. coefficient of friction
 - B. Tire marks
 - C. Documenting skid marks
 - D. Drag factor and speed determination
 - E. How to determine drag factor
 - F. Braking efficiency
 - G. Formula sheet
 - H. Definitions for skid analysis
 - I. Critical speed scuffs
 - J. Conversion factors
 - K. Velocity vs. speed
 - L. Slide to stop formulas
 - M. Speed from radius
- XIII. Diagramming
 - A. The sketch
 - B. Area of impact (AOI)
 - C. Sketch symbols
 - D. The factual diagram
 - E. Investigation symbols
 - F. Gathering measurements and marking the scene
 - G. Marking vehicles and pedestrians

- H. Most common items used to document scene
- I. Reference line and reference point
- J. Drawing the legend
- K. Placement of the reference point and the reference line
- XIV. Prosecution and Court Presentations
 - A. Prosecution and preparation
 - B. Courtroom testimony
- XV. Liability
 - A. CVC 17004
 - B. CVC 12055
 - C. CVC 12056