

THE ROLE OF THE VIRGINIA DEPARTMENT OF FORENSIC SCIENCE IN  
HIT AND RUN INVESTIGATIONS

TRACE EVIDENCE

September 16, 2019; 0900-1700 hrs

Presented by: Josh Kruger  
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900-0915 Introduction and Overview

915-1000 Paint Evidence: Recognition, Collection and Preservation

Case Study #1 (Pedestrian fatality – S-10 Blazer)

1000-1015 Break

1015-1025 Automotive Paint Process

1025-1100 PDQ: Paint Data Query – The Use of Paint Evidence to Provide Investigative Leads in Hit and Run Cases

Case Study #2 (Pedestrian fatality – Jeep, PDQ) and Case Study #3 (Pedestrian fatality – Mustang, PDQ)

Potential VIN information determination

1100-1145 Hairs and Fibers: Recognition, Collection and Preservation

Case Study #4 (Pedestrian fatality – Mercury Sable)

1145-1230 Forensic Biology/DNA Analysis

1230-1330 Lunch

- 1330-1400 Glass: Recognition, Collection and Preservation
- Case study #5 (Fatality hit and run – Motorcycle, Jeep)
- 1400-1415 Review of evidence collection and packaging
- 1415-1515 Field Exercise (Outside)
- 1515-1530 Break
- 1530-1600 Forensic Lamp Analysis
- 1600-1630 Case Study #6 (Fatality hit and run – Bicycle)  
Case Study #7 (Fatality hit and run – Boat)
- 1630-1645 Demonstration/review with stereomicroscopes (These will be available throughout the day)
- 1645-1700 Summary/Review/Questions