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

TRACE EVIDENCE

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800-820 Introduction and Overview

1) Virginia Department of Forensic Science
- Disciplines other than Trace Evidence and their capabilities related to automobiles

2) Trace Evidence, sub-disciplines

820-845 Forensic Lamp Analysis

845-945 Recognition, Collection and Preservation of Paint Evidence

1) Importance of Paint
2) Components of Paint
3) Laboratory Examinations
    i. Identification
    ii. Fracture Match
    iii. Comparison
    iv. Make/model determination
4) Collection and Recovery
5) Packaging
6) Conclusions/Report Wording
7) Information for RFLE

945-1000 Break

1000-1020 Automotive Paint

1) General Overview
2) How is it done
3) Forensic Implications

1020-1040 Paint Data Query (Make/Model determination)

1) What is it?
2) How does it work?
3) Limitations
4) Results

1040-1055 Break

1055-1200 Hit and Run Case Examples

1) Paint comparisons
2) Fracture match exams
3) Application of PDQ
4) Fiber comparisons
5) Glass comparisons

1200-1300 Lunch

1300-1330 Hands-on in house or field exercise

1) Collection of paint
2) Collection of lamps

1330-1400 Collection and Packaging of Biological Fluids

1) Laboratory Analysis
2) Conclusions/Report Wording

1400-1415 Break

1415-1445 Hair and Fiber Evidence

1) What are they
2) Laboratory Analysis
3) Collection and packaging
4) Conclusions/Report Wording

1445-1515 Collection and Packaging of Glass Evidence

1) Laboratory Capabilities
2) Processing and examination
3) Conclusions/Report Wording

1515-1545 In-house laboratory demonstration with the stereomicroscope

1545-1600 Summary/Review/Questions