

Grade Crossing Collision Investigation

Two Day Course Agenda

Day 2 – Rail Day

- 0800-0830 Divide into Groups
Distribute Safety Equipment
Each group is assigned a starting station and will rotate to the next location at approximately one-hour intervals until each group has received instruction at each station.
- 0830-0900 Stationary Locomotive: Familiarization to include event recorder, emergency fuel shutoff switches, cab controls, warning devices.
- One Hour Group A: Board locomotive for train ride through area. This section is designed to provide law enforcement officers a view of the grade crossing situation from the crew's perspective.
- One Hour Group B: Grade Crossing signals with gates. Signal personnel will review with officers the operation and testing of warning devices and other pertinent information.
- One Hour Group C: Railroad equipment. Review proper method to climb through equipment safety, rail car air brake systems.
- 1200-1300 Lunch
- 1300-1400 Simulated Grade Crossing Collision
Complete standard accident form after mock scenario
- 1400-1530 Return to Classroom
Review mock crash forms
- 1530-1700 Block 9
Classroom Discussion
Post Test
Course Evaluations

Grade Crossing Collision Investigation

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Day 1 – Classroom

- 0800-0855 Block 1 & 2
Class Orientation, Welcome, Introductions.
Familiarization with Grade Crossing Collisions
- 0900-0955 Block 3
Crossing Types, Signage and Active Traffic Control Systems
Laws Governing Vehicles at Grade Crossings
- 1000-1055 Block 4 & 5
Response Information
Elements of a Grade Crossing Collision
Part I – Human Element
- 1100-1200 Block 5
Elements of a Grade Crossing Collision
Part II – Vehicle and Rail Equipment Elements
- 1200-1300 Lunch
- 1300-1355 Block 5
Elements of a Grade Crossing Collision
Part III – Environmental Element
- 1400-1455 Blocks 6 & 7
Data Collection and Investigation
Railroad Trespassing and Other Crimes
- 1500-1555 Block 8
State Crash Reporting Forms
- 1600-1700 Block 9
Field Exercises Briefing and Safety

Grade Crossing Collision Investigation Course

A Highway-Rail Traffic Safety Course
for Law Enforcement, Judicial and Civic Leaders

FREE

Grade Crossing Collision Investigation is a two-day, intensive hands-on, educational course, teaching the skills helpful in and particular to the investigation of a motor vehicle-train crash or rail-related trespassing incident. The course is approved by the S.C. Department of Public Safety, Criminal Justice Academy and S.C. Court Administration's Office for continuing education credit. The course is offered free of charge and all necessary training materials will be provided.

DAY 1 - Classroom Topics

The Grade Crossing Problem – crash statistics; causation; speed; weight factors; stopping distances

Railroad equipment: 1) locomotives and freight cars - visual and audible warning devices and event recorders; 2) types of trains - passenger and freight; and 3) traffic control devices at or near grade crossings

Locomotive Event Recorders - obtainable data

Railroad personnel encountered at collisions and their responsibilities - train crew; trainmaster; and signal maintainer

Data Collection and Investigation – Grade Crossing Collision Investigation Checklists; Train Crew, Driver, Witness Interviews; Marking, Photographing and Measuring; Suicide/Fraud

Judicial Participation - State and Federal laws pertaining to railroad crossings

DAY 2 – Hands-on Training (work boots required)

Participants will receive a thorough safety briefing and will be provided with safety equipment for use during training. Hands-on training includes: 1) train ride; 2) stationary locomotive; 3) boxcar coupled to flatcar; 4) hazardous materials tank cars; 5) grade crossing signals; and 6) mock investigation.

REGISTRATION

NAME _____

AGENCY _____

ADDRESS _____

WORK # _____ FAX # _____

EMAIL _____

CHECK CLASS LOCATION AND DATE BELOW:

___ Greenville: May 13-14, 2009

___ *Columbia: September 15-16, 2009*

___ *Georgetown: October 7-8, 2009*

___ *Rock Hill: October 20-21, 2009*

- *Confirmation, further details, classroom address and directions will be sent one month prior to class.*

Return Registration to:

Janice Cowen, State Coordinator, S.C. Operation Lifesaver

4149 East Buchanan Drive, Columbia, SC 29206

Phone 803-206-9081 Fax 803-738-8261

Or Email information to: Cowen_J@bellsouth.net