



## 3-DAY PROTECTION DRIVER PROGRAM

### PROGRAM OVERVIEW

The 3-Day Protection Driver Program consists of three days of intensive, hands-on emergency driving training. During the three day program participants will understand the physical forces placed on a vehicle when it is in motion; the automobile and maintenance for its major components; and security concepts as they relate to protective vehicle operations with an emphasis on preoperational planning and operational considerations for drive-time emergencies. Participants will also put the information discussed in the classroom into practice while driving through nine rigorous and scientifically designed driving exercises.

### CLASSROOM SUBJECTS

#### **The Driver, the Car, and the Road**

Participants will learn about the “Driver’s Triangle” and how it applies to what goes right and what goes wrong every time a driver is put into a potential vehicle emergency. Participants will also learn about the human body’s physiological reaction to emergencies and how the flight-or-flight response applies to driving emergencies. Finally, participants will understand the feet-per-second concept and why it is a more useful unit of measure for drive-time emergencies than miles-per-hour.

#### **Vehicle Dynamics**

Participants will turn driving into math and understand the physical forces that act upon vehicles in motion. In particular, participants will understand the friction that is created between the tire contact patches and the road surface and the effect of lateral acceleration on the contact patches’ ability to control the vehicle.

#### **Introduction to Vehicle Maintenance**

Participants will receive an in-depth look at tires – the most important components of a motor vehicle – as well as a quick, ten-minute checklist used to make sure that every major vehicle system is prepared to safely move out of any vehicle emergency.



## **Security Brief**

Participants will learn how to perform preoperational planning and operational tactics for the safe transportation of at-risk people and materials.

## **PRACTICAL EXERCISES**

### **Slalom Exercise**

Participants will drive through a four-cone slalom to master the fundamentals of seating and hand position; aggressive and smooth steering; performance driving vision; and the control of lateral acceleration.

### **Brake and Turn Exercise**

Participants will learn how to use maximal braking while retaining directional vehicle control.

### **Lane Change Exercise**

Participants will learn how to quickly react to a vehicle emergency in which they must make split-second decisions while maintaining vehicular control.

### **Lines and Apexes**

Participants will use racing theory to determine the fastest way to navigate a corner.

### **High Performance Driving**

Participants will learn how to use a high percentage of a vehicle's capability to quickly navigate through a series of obstacles. Participants will also learn how to plan ahead in order to set up their approach for each obstacle.

### **Reverse Slalom/ K- Turn Exercise**

Participants will learn how to precisely control a vehicle while rapidly escaping the kill zone in reverse.

### **Straight-Line Backing Exercise**

Participants will learn how to quickly and safely back away from a frontal vehicle ambush.

### **J-Turn Exercise**

Participants will learn how to perform a rapid reverse-of-direction to speed away from a frontal vehicle ambush.

### **Counter-Ambush Exercise**

Participants will drive through an obstacle course in which they will put to use all of the skills they will have learned and practiced while attempting to escape a violent vehicle attack.

