

## POST PERISHABLE SKILLS PROGRAM (PSP)

### II – DRIVER TRAINING/AWARENESS

(Fontana Police Department 7530)

CCN: 29502 | POST Certification II | Reimbursement Plan \_\_\_ | 8 hours

#### **COURSE GOAL:**

The course will provide the trainee with the minimum topics of Driver Training/Awareness required in the POST Perishable Skills Training Program including: Basic Driving Principles, Legal and Moral Aspects, Defensive Driving and Maneuvering Course Exercises.

The course consists of a hands-on/practical Driver Training/Awareness for in-service officers. **The training may be presented in a 4, 6, or 8 hour format allowing for flexibility based upon specific agency or trainee group needs, and as long as the minimum topics are contained within each format independently.**

#### **DRIVER TRAINING/AWARENESS**

##### **Minimum Topics/Exercises:**

- a. Safety Policy/Orientation
- b. Policy, legal and moral issues
- c. Vehicle Dynamics
- d. Defensive driving
- e. Intersections exercise(s)
- f. Backing/parking exercise(s)
- g. Behind the wheel exercises to improve driving skills – judgment and decision making
- h. Class Exercises, Student Evaluation, and or optional Testing

#### **COURSE OBJECTIVES:**

The trainee will:

1. Demonstrate knowledge of their Driver Training/Awareness skills and techniques
2. Demonstrate a minimum standard of psychomotor skills with every technique and exercise to include:
  - A. Judgment and Decision Making
  - B. Policy, Legal and Moral Issues
  - C. Basic Driving Principles and Vehicle Dynamics
  - D. Defensive Driving

**Minimum standards of performance shall be tested by an instructor observing the trainee during their performance of each technique and exercise. If the trainee**

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**does not meet minimum standards, as established by the presenter, remediation will be provided until the standard is met.**

**EXPANDED COURSE OUTLINE**

- I. INTRODUCTION/ORIENTATION **II (a)**
  - A. Introduction, Registration and Orientation
    - 1. Course Roster
    - 2. Facility Overview
  - B. Course Objectives/Overview/Exercises, Evaluation/Testing
    - 1. Course Objectives
      - a. Judgment and Decision Making
      - b. Policy, Legal and Moral Issues
      - c. Basic Driving Principles and Vehicle Dynamics
      - d. Defensive Driving
    - 2. Safety Policy/Orientation
  
- II. LEGAL AND MORAL ASPECTS **II (b)**
  - A. California codes
    - 1. 17001 CVC
    - 2. 17004 CVC
    - 3. 17004.7 CVC
    - 4. 21052 CVC
    - 5. 21055 CVC
    - 6. 21056 CVC
    - 7. 21057 CVC
    - 8. 21806 CVC
    - 9. 21807 CVC
    - 10. 22350 CVC
    - 11. 13519 CVC
  - B. Case law
    - 1. Brower v. Inyo (1989)
    - 2. Lewis v. Sacramento Co (1998)
    - 3. Cruz v. Briseno (2000)
    - 4. Nguyen v City of Westminster (2002)
    - 5. Scott v. Harris (2007)
    - 6. Additional case law as determined by instructor
  - C. Agency policy
    - 1. Emergency Response Policy

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2. Pursuit Policy
3. Additional agency policies
- D. Moral aspects
  1. Risk v Reward
  2. Letter of the law v Spirit of the law

### **III. VEHICLE CARE AND MAINTENANCE**

**II (c)**

- A. Pre-shift Vehicle Inspection Interior
  1. General appearance
  2. Lights
    - a. OEM
    - b. Emergency
  3. Trunk
    - a. Spare tire
    - b. Fire extinguisher
    - c. Jack / Lug wrench
    - d. Flares
    - e. First aid kit
    - f. Blanket
  4. Interior
    - a. Trash / Debris
    - b. Clean windows
    - c. Adjust seat and mirrors
    - d. Check gauges
    - e. Brakes
    - f. Secure gear
    - g. Seatbelts
  5. Listen for unusual sounds
- B. Pre-shift Vehicle Inspection Exterior
  1. General appearance
  2. Lights
  3. Tires
    - a. Pressure
    - b. Wear
    - c. Damage
  4. Wheels
  5. Body damage

### **IV. BASIC DRIVING PRINCIPLES**

**II (c)**

- A. Weight Transfer
  1. Weight distributed between front and rear wheels

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2. Types of weight transfer
    - a. Lateral: Side to side
    - b. Longitudinal: Front to rear/Rear to front
  3. Lateral transfer created when vehicle turned left/right
  4. Longitudinal transfer created when:
    - a. Braking - Rear to front
    - b. Accelerating - Front to rear
    - c. Decelerating (lifting off accelerator)- Rear to front
  5. Can't be completely eliminated in a moving vehicle
  6. Minimized by good driving techniques and smooth operation
- B. Steering Control
1. Seating position
    - a. Driver comfort
    - b. Efficient vehicle control
    - c. Wrist break over top of steering wheel
    - d. Seated approximately 12" from air bag
    - e. Adjust mirrors
  2. Steering method – Two hand shuffle steering
    - a. Balanced hand positions per agency
    - b. Hands do not leave steering wheel
    - c. Maximizes steering accuracy
    - d. Safer and more effective recovery
    - e. Minimizes weight transfer
    - f. Minimizes air bag deployment injury (9 and 3, 8 and 4)
  3. Steering method – Backing **II (f)**
    - a. Body rotated to right
    - b. Right hand placed on right headrest
    - c. Vision directed over right shoulder
    - d. Left hand on steering wheel at 12 o'clock position
    - e. Left foot braced on floorboard
  4. Steering Method – Backing Utilizing Mirrors Only
    - a. Body in normal driving position
    - b. Check left and right mirrors (if possible, check rear view mirror)
    - c. Check to ensure backup camera video and/or sensors are engaged (if applicable)
- C. Roadway Position
1. Definition: The position of the vehicle on the roadway that maximizes speed with minimum steering and risk of loss of vehicle control while negotiating a turn
    - a. AKA – Driving line
    - b. Driving points in a turn
      1. Entry (Point #1)

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2. Apex (Point #2)
  - a) Early
  - b) Traditional
  - c) Late
3. Exit (Point #3)
2. Driving Advantages
  - a. Minimize and control weight transfer
  - b. Minimize steering input
  - c. Smoother vehicle operation
  - d. Maximum speed through turns in the safest manner

#### V. DEFENSIVE DRIVING

**II (d)**

- A. Defensive Drivers
  1. Avoid collisions regardless of right-of-way
  2. React properly to hazards
  3. Maintain a professional attitude
- B. Dangerous Driver Attitudes
  1. Overconfidence
  2. Self-righteousness
  3. Impatience
  4. Preoccupation
  5. Distracted driving/Multi-tasking
- C. Collision Avoidance
  1. Space cushion
    - a. Three second rule
    - b. Perception / Reaction time
    - c. When stopped, see rear wheels of vehicle directly in front
  2. Intersections **II (e)**
    - a. Clear left, right, then left again
    - b. Cover brake on stale green
    - c. Don't turn wheels until ready for turn
    - d. Look through turns
  3. Maintain high visual horizon
  4. Consider steering to the rear of a conflict vehicle
  5. Backing
    - a. Large percentage of collisions involving LE vehicles
    - b. Use proper backing techniques
    - c. Use of or backup cameras
  6. Lane changes
    - a. Signal
    - b. Check mirrors
    - c. Optional back up camera

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- 7. Blind spots
  - a. Clear blind spots by looking over shoulders
  - b. Use of mirrors
  - c. Optional backup cameras
- 8. Accident Mitigation Systems
  - a. Agency policy
  - b. Manufacture advisements
- D. Occupant Safety Devices
  - 1. Safety belts
  - 2. Supplemental Restraint System (air bags)
- E. Vehicle Dynamics **II (c)**
  - 1. Rear wheel cheat
  - 2. Front-end swing
  - 3. Oversteer
  - 4. Understeer
  - 5. Counter-steer
  
- V. MANEUVERING COURSE EXERCISES **II (g, h)**
  - A. Offset Lane Exercise (Forward and Reverse)
    - 1. Roadway positioning (eye Placement and steering input)
    - 2. Appropriate throttle control and brake application
    - 3. Conscious of rear wheel cheat and front end swing
    - 4. Usage of pivot point (Reverse direction)
    - 5. Appropriate usage of mirror (reverse direction)
  - B. Turn-Around Maneuver Exercise
    - 1. Student will demonstrate three-point turnaround, bootleg, and modified bootleg
    - 2. Maintain constant visual awareness of objects to the rear and sides until vehicle comes to a stop
    - 3. Demonstrate reverse steering (pivot point and front-end swing)
  - C. Steering course Exercise
    - 1. Demonstrate proper application of forward and reverse methods of steering
    - 2. Coordination of steering and throttle control to minimize weight transfer during turning movements
    - 3. Maneuver around obstacles without striking them
  - D. "T" Driveway
    - 1. Appropriate lane placement
    - 2. Appropriate adjustments for rear wheel cheat
  - E. Parallel Parking Exercise **II (f)**
    - 1. Appropriate setup
    - 2. Finish within 18" of the curb

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- F. Serpentine
  - 1. Setup/Knowledge of pivot point location
  - 2. Appropriate usage of mirrors
  - 3. Steering input and throttle control needed to accomplish goal
  - 4. Control of rear wheel cheat and front-end swing
- G. Additional Maneuvering Exercises as determined by Instructor
  - 1. Refer to Driver Awareness Instructor Manual
  - 2. Refer to Emergency Vehicle Operations Manual

VI. TESTING/REMEDIATION

**II (h)**

***Testing: Any student scoring below standard on any exercise, as established by the presenter, will be remediated, and tested until competency is demonstrated to the satisfaction of the presenter.***

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**EXTENDING EXPANDED COURSE OUTLINE TO 6 OR 8 HOURS:**

**VII. BASIC DRIVING PRINCIPLES FOR EMERGENCY RESPONSE II (g)**

- A. Throttle Control
  - 1. Full throttle is total depression of accelerator pedal
  - 2. Maximum acceleration is accelerating as quickly as possible to full throttle without losing traction
  - 3. Increased throttle will widen the arc of the driving line in a turn, and will increase weight transfer
  - 4. Decrease of throttle will tighten the arc of the driving line in a turn
- B. Speed Judgment
  - 1. Ability of a driver to estimate a safe speed for any given situation
  - 2. Considerations
    - a. Road conditions
    - b. Type of driving maneuvers
    - c. Driver ability
    - d. Vehicle ability
    - e. Weather conditions
  - 3. Closure rate
- C. Brake Application
  - 1. Normal
  - 2. Panic
  - 3. ABS
  - 4. Threshold (does not apply to vehicles equipped with ABS)
    - a. 0-10 scale
    - b. More “cooling” time
    - c. Allows speed for longer distance before brake application
    - d. Steering always available

**VIII. VEHICLE OPERATION FACTORS II (d, g)**

- A. Operational Tactics and Considerations
  - 1. Radio
    - a. Distracted driving
    - b. Broadcast while driving in a straight line
    - c. Stay calm and speak clearly
    - d. Lapel mic, optional
  - 2. Use of MDT/Computer
    - a. Consistent with agency policy, ensure monitoring and utilization of MDT and other displays does not create a hazard



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- b. Use radio for communications of immediate nature
  - c. Collisions while operating the MDT/Computer will usually be found to be preventable
- B. Blocking Access to Intersections
  - 1. Officer Safety
  - 2. In pursuit, park off to side and get out of the way
  - 3. No guarantee of safety
- C. Blocking Roadway
  - 1. Position vehicle appropriately
  - 2. Lighting
  - 3. Trunk
  - 4. Stand away from rear of vehicle
  - 5. Face traffic when walking

#### **IX. OPTIONAL EXERCISES**

- A. Collision Avoidance Exercise
  - 1. Traffic light required
  - 2. High visual horizon
- B. Skid Control Exercise
  - 1. Oversteer
  - 2. Understeer
- C. Emergency Response Driving
  - 1. Clearing Intersections
  - 2. Spacing between vehicles
  - 3. Speed appropriate for conditions
  - 4. Smooth brake application
  - 5. Smooth steering control
  - 6. Appropriate driving lines
  - 7. Dealing with interference car
- D. Pursuit Driving
  - 1. Clearing Intersections
  - 2. Spacing between vehicles
  - 3. Speed appropriate for conditions
  - 4. Smooth brake application
  - 5. Smooth steering control
  - 6. Appropriate driving lines
  - 7. Dealing with interference car
- E. Intervention Techniques/Risk Assessment (Pursuit Intervention Technique or PIT) Maneuver
  - 1. Policy considerations
  - 2. Appropriate speed
  - 3. Placement of patrol vehicle to achieve intended result

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- 4. Steering input and throttle control
- F. Additional Exercises as Determined by Instructor
  - 1. Refer to Driver Awareness Instructor Manual
  - 2. Refer to Emergency Vehicle Operations Manual

X. TESTING/REMEDICATION

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