

**HAYWARD POLICE DEPARTMENT
POST PERISHABLE SKILLS PROGRAM (PSP)
II – DRIVER TRAINING / AWARENESS / P.I.T (10 HOURS)**

COURSE GOALS:

The course will provide the student with the minimum topics of Driver Training / Awareness required in the POST Perishable Skills Training Program including: Basic Driving Principals, Legal and Moral Aspects, Defensive Driving and Maneuvering Course Exercises. The course will also provide students with continued training in the performance of the Pursuit Intervention Technique (P.I.T), “Stop Stick” deployment, as well as an opportunity to review Hayward Police Department’s Pursuit/Pit Policy 314.

DRIVER TRAINING/AWARENESS

Minimum topics/Exercises:

- a. Behind the wheel exercises to improve driving skills, judgment, and decision making.
- b. Class exercises/student evaluation/testing.
- c. Defensive driving.
- d. Intersections exercise(s).
- e. Backing/parking exercise(s)
- f. Policy, legal and moral issues.
- g. Vehicle Dynamics.

COURSE OBJECTIVES:

The student 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
 - B. Decision Making
 - C. Defensive Driving
 - D. Basic Driving Principles
 - E. Policy, Legal and Moral Issues
 - F. Vehicle Dynamics.
 - I. Intervention Techniques ("P.I.T" Maneuver) / Risk Assessment

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

- A. Introduction, Registration and Orientation.
- B. Course Objectives/Overview/Exercises, Evaluation/testing
- C. Safety Procedures Overview

II BASIC DRIVING PRINCIPLES

II(g)

- A. Weight Transfer
 - 1. Weight distributed between front and rear wheels
 - 2. Engine location has greater part of weight distribution
 - 3. Types of weight transfer
 - a. Lateral: Side to side
 - b. Longitudinal: Front to rear/Rear to front
 - 4. Lateral transfer created when vehicle turned left/right
 - 5. Longitudinal transfer created when:
 - a. Braking (rear / front)
 - b. Accelerating (front / rear)
 - c. Decelerating (rear / front)
 - 6. Can't be eliminated in a moving vehicle
 - 7. 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 the top of the steering wheel
 - d. Seated 12" from air bag
 - e. Adjust mirrors
 - 2. Steering method – Two hand shuffle steering
 - a. Hand position at 9 and 3 or 8 and 4.
 - b. Hands do not leave the steering wheel.
 - c. Maximizes steering accuracy

II(e)

- d. Safer and more effective recovery
- e. Minimizes weight transfer
- f. Minimizes air bag deployment injury
- 3. Steering method (Backing)
 - 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 twelve o'clock position
 - e. Press left leg against bottom of the steering wheel for stability
 - f. Left foot braced on floorboard
- 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"
 - 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
 - 3. Driving points in a turn
 - a. Entry (Point #1)
 - b. Apex (Point #2)
 - c. Exit (Point #3)

III. LEGAL AND MORAL ASPECTS

II(c)

- 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
- B. Case law
- C. Agency Policy (HPD Policy 314)

D. Moral aspects

IV. DEFENSIVE DRIVING

A. Defensive Drivers

1. Avoid collision 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

C. Collision Avoidance

1. Space cushion
 - a. Three second rule
 - b. Perception / reaction time
 - c. When stopped see rear wheels
2. Intersections **II(d)**
 - a. Allow time before entering intersection on fresh green
 - b. Approach intersections with stale green with caution and be prepared to stop
 - c. When stopped in intersection to execute left turn, use turn signal
 - d. Don not turn wheels as rear end collision can push you into traffic
 - e. Scan for pedestrians and traffic when making a right turn at intersection
3. Maintain high visual horizon
5. Backing
 - a. Accounts for a large percentage of collisions to LE vehicles
 - b. Use proper backing techniques
 - c. Be aware of your surroundings when you enter your vehicle to back up
6. Lane changes
 - a. Signal
 - b. Be aware of blind spots

D. Occupant Safety Devices

1. Safety belts
2. Supplemental Restraint System (air bag)

E. Vehicle Dynamics

II(g)

1. Rear wheel cheat
2. Front-end swing
3. Oversteer
4. Understeer

V. BASIC DRIVING PRICIPLES

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. The 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 limitations
 - d. Vehicle limitations
 - e. Weather conditions
3. Closure rate
 - a. Being able to judge the proper rate of deceleration necessary to negotiate a curve, avoid a hazard, or stop

C. Brake Application

1. Types of braking
 - a. Normal
 - b. Panic
 - c. ABS
 - d. Threshold
 - (1) 0-10 scale
 - (2) Allows more cooling time
 - (3) Allows speed for longer distances before brake application
 - (4) Steering always available

VI. VEHICLE CARE AND MAINTENANCE

II(f)

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

VII. DRIVER AWARENESS PRACTICAL EXERCISES

II(a,b)

- A. Steering Course Exercise
 - 1. Students will be evaluated on the following:
 - a. Steering control
 - b. Use of road position
 - c. Rear wheel cheat
 - d. Front end swing
 - e. Speed control
 - f. Smoothness and coordination
 - g. Visual contact with obstacles to rear
- B. "T" Driveway Exercise
 - 1. Students will be evaluated on the following:
 - a. Steering forward

- b. Steering while tires are rolling.
- c. Use of road position
- d. Brake application
- e. Front-end swing.
- f. Rear wheel cheat
- g. Speed control
- h. Visual awareness of obstacles
- i. Smoothness and coordination

C. Parallel Parking Exercise

II(e)

- 1. Students will be evaluated on the following:
 - a. Approach Position
 - b. Steering control
 - c. Entry angle
 - d. Front-end swing
 - e. Visual awareness of obstacles
 - f. Correct parking (18" < from curb
 - g. Single movement placement.
 - h. Safe exit.

D. Offset Lane Exercise

- 1. Students will be evaluated on the following:
 - a. Steering control
 - b. Throttle control
 - c. Speed control
 - d. Rear wheel cheat
 - e. Front end swing
 - f. Brake application
 - g. Visual awareness of obstacles
 - h. Smoothness and coordination
 - i. Use of road position

E. Turn-Around Exercise

- 1. Students will be evaluated on the following:
 - a. Steering forward
 - b. Steering while tires are rolling
 - c. Use of road position
 - d. Brake application
 - e. Front end swing
 - f. Rear wheel cheat.
 - g. Speed control
 - h. Visual awareness of obstacles
 - i. Smoothness and coordination

VIII. STRAIGHT LINE P.I.T EXERCISE.

II(i,b)



IX. STOP STICK PRACTICAL EXERCISE

II(b)

- A. Students will be required to properly deploy the Stop Sticks during a mock pursuit.
 - 1. Students will be evaluated on the following:
 - a. Proper preparation of the stop sticks and retrieve handle
 - b. Proper side arm throwing technique
 - c. Proper placement in roadway
 - d. Proper removal of device once “suspect” vehicle passes over it.

X. USE OF PUSH BARS

II(b)

- A. When to consider use
 - 1. Vehicle constitutes a significant hazard.
 - 2. Length of time vehicle would cause traffic congestion
 - 3. Owners request.
- B. Proper application
 - 1. Explain to the motorist the entire procedure prior to application.
 - a. Stranded vehicle in neutral without break on.
 - b. Key turned to the on position to unlock steering wheel.
 - c. Power assisted brakes and steering will not function.
 - d. Pick location the vehicle will be pushed to
 - e. Insure traffic is clear for movement
 - f. Bring stranded vehicle to speed and release
 - 2. Slowly make contact with disabled vehicle
 - 3. Slowly bring disabled vehicle to desired speed for movement.
 - 4. Release the vehicle

- C. Students will be required to implement the above described procedures to successfully utilize their vehicles "push bars" to move a disabled vehicle to a safe location.

Testing: Any student scoring below standard on any exercise, as established by the presenter, will be remediated, tested until the standard is achieved.

II(b)