



FIRE PROTECTION TRAINING

Procedures Handbook 4300

TOOLS & EQUIPMENT

TOPIC: Traffic Control Devices and Signals

TIME FRAME: :15

LEVEL OF INSTRUCTION: Level I

BEHAVIORAL OBJECTIVE:

Condition: A written quiz

Behavior: Student will list and describe equipment used for traffic control and be able to describe traffic signaling procedures.

Standard: With a minimum of 80% accuracy

MATERIALS NEEDED:

- **STOP/SLOW** paddles
- ANSI/OSHA approved traffic safety vests
- Red traffic flags
- Other appropriate signal devices
- Visual aids
- Audio visual equipment

REFERENCES:

- Federal Highway Administration 23 CFR Part 634, FHWA Manual on Uniform Traffic Control Devices (MUTC), 2003 edition amended 12/2007 Part 6:
www.mutcd.fhwa.dot.gov

PREPARATION:

Traffic control operations involve responsibility for the safety of you, oncoming motorists and on- scene incident personnel. Being constantly alert, evaluating the traffic situation and directing traffic lessens the possibility of additional accidents, injuries and liability.



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TRAFFIC CONTROL DEVICES
AND SIGNALS

PRESENTATION	APPLICATION
<p>I. USES OF FLAG OR SIGNAL PERSON</p> <p>A. Used when traffic on a public road should:</p> <ol style="list-style-type: none">1. Stop2. Slow, or3. Proceed at a speed different from normal because of modified activity <p>B. If possible, the flagperson should be situated where he/she can observe the incident scene area</p> <p>C. If flag person has to be situated where scene cannot be observed (around a curve, over a hill), good communications are necessary (use handi-talki)</p> <p>D. A flagperson must be constantly aware of approaching and passing traffic</p> <p>E. If approaching traffic is backed up to where it has gone past posted warning devices, the flagperson should advise those responsible that additional devices or personnel are needed</p> <ol style="list-style-type: none">1. Flagperson must be able to evaluate traffic conditions and respond to the possibility of additional accidents caused by traffic control measures <p>II. FLAGPERSON-DEMEANOR</p> <p>A. You must direct the people in the vehicles</p> <ol style="list-style-type: none">1. You are making decisions for them	<p>The term flagperson in this lesson plan includes signal persons also</p>



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<ul style="list-style-type: none">2. Your directions may counter normal rules of the road B. Directions must be understood<ul style="list-style-type: none">1. Use proper signals in a decisive and authoritative manner2. Minimize other body movements which may confuse motorists<ul style="list-style-type: none">a. Turning, shufflingb. Arm, head, leg movement3. Clear and purposeful direction <h3>III. SIGNALING DEVICES</h3> <ul style="list-style-type: none">A. Flags<ul style="list-style-type: none">1. High visibility orange (minimum 16" x 16")2. Used to stop or slow traffic3. Used with STOP/SLOW paddle4. Need illumination if used at nightB. Paddles<ul style="list-style-type: none">1. "STOP" on one side, "SLOW" on other side2. Should be made of reflective material with a minimum of 5" letters3. Used to stop or slow traffic4. Need illumination if used at night	



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<p>C. Traffic safety vests</p> <ol style="list-style-type: none">1. High visibility vest with reflective strips<ol style="list-style-type: none">a. ANSI and OSHA approved materials and colorsb. Wear over wildland or structure fire PPE2. Used by flagpersons for improved visibility by traffic <p>IV. SLOWING TRAFFIC</p> <p>A. Paddles and flags</p> <ol style="list-style-type: none">1. "SLOW" sign in one hand2. Flag extended to other side3. Wave flag with a sweeping motion <p>B. Hand Signals</p> <ol style="list-style-type: none">1. Look at driver<ol style="list-style-type: none">a. Make eye contact2. Raise either hand/arm to shoulder height<ol style="list-style-type: none">a. Maintain eye contact with driver3. Point index finger at driver4. With other arm fully extended to the side of the body5. Hand open with palm down	<p>Refer the following lesson to the 4305.13: High Visibility Safety Apparel (Vest) lesson plan</p>



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<p>6. Repeatedly move hand from shoulder height to a point half way to the waist and back to shoulder height</p> <p>V. STOPPING TRAFFIC</p> <p>A. Paddles and flags</p> <ol style="list-style-type: none">1. "STOP" sign in one hand, held at head level or above2. Flag held straight out to side <p>B. Hand signals</p> <ol style="list-style-type: none">1. Look at driver<ol style="list-style-type: none">a. Make eye contact2. Raise either hand/arm to shoulder height<ol style="list-style-type: none">a. Maintain eye contact with driver3. Point index finger at driver4. Raise palm of hand towards driver <p>VI. STARTING TRAFFIC</p> <p>A. Paddles and flags</p> <ol style="list-style-type: none">1. Drop flag to side2. Place paddle under flag arm	<p>What types of arm/hand signals are use to stop traffic?</p> <p>Have demonstrator show class as instructor explains each technique.</p>



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<ul style="list-style-type: none">3. Use free arm to give a deliberate motion across your bodyB. Hand signals<ul style="list-style-type: none">1. Make eye contact with driver2. Stand with your side towards traffic3. Raise either hand/arm shoulder high 4. Point index finger at driver<ul style="list-style-type: none">a. Maintain eye contact5. Move palm of hand towards direction of travel<ul style="list-style-type: none">a. Maintain eye contact	<p>What type of arm/hand signals are used to start traffic?</p>
<p>VII. DIRECTING TURNS</p> <ul style="list-style-type: none">A. Hand signals<ul style="list-style-type: none">1. Right turn<ul style="list-style-type: none">a. Make eye contact with driverb. Raise right arm shoulder high<ul style="list-style-type: none">(1) Maintain eye contactc. Point index finger at driver<ul style="list-style-type: none">(1) Maintain eye contact	<p>What arm/hand signals are used to direct right hand turn?</p>



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<ul style="list-style-type: none"> d. Swing right arm in direction driver is intended to travel <ul style="list-style-type: none"> (1) Continue arm motion until driver begins to turn (2) Maintain eye contact 2. Left turn <ul style="list-style-type: none"> a. Stop traffic in the lane through which the driver is to pass b. Hold “STOP” signal paddle c. Make and maintain eye contact with driver turning left d. Raise arm shoulder high, give turning gesture e. Point index finger at driver making left turn <ul style="list-style-type: none"> (1) Maintain eye contact f. Swing free arm in direction left turning driver is intended to travel 	<p>What arm/hand signals are used to direct left hand turns?</p>
<p>VIII. SAFETY CONSIDERATIONS</p> <ul style="list-style-type: none"> A. Wear helmet and appropriate CAL FIRE safety uniform B. Wear approved ANSI/OSHA traffic safety vest C. Be prepared to take evasive action D. Observe and anticipate actions driver's may take 	



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<p>E. As a Flagperson, you may disrupt normal traffic patterns and overrule normal traffic control devices (e.g. stop signs/lights). This abnormal situation may cause unexpected behavior on the part of the motoring public</p>	



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SUMMARY:

Appropriate use of hand signals at an emergency incident can ensure the safety of firefighters, the public, facilitate traffic flow and minimize secondary vehicle accidents.

EVALUATION:

A written quiz.

ASSIGNMENT:

To be determined by instructor(s).