Welcome!!



Traffic Control Technician Training Course



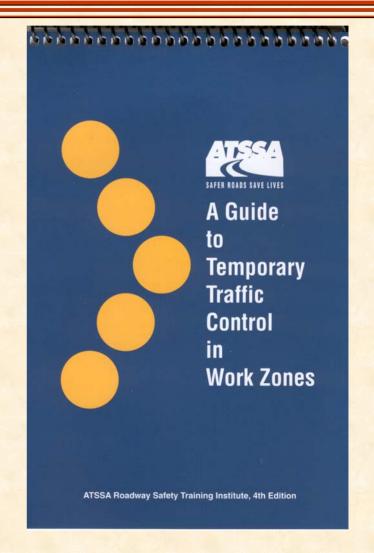


Course Objectives

- After completing this course you should be able to:
 - Apply workable concepts, techniques and practices in the installation and maintenance of traffic control devices
 - Make the temporary traffic control areas safer for workers, motorists and pedestrians

Course Materials

- ◆ ATSSA's "Guide to Temporary Traffic Control in Work Zones"
- Pencil
- Tent name sign





Guide Contents



◆ Table of Contents (2-3)

◆ Introduction (4)

Course Content

 Presentation slides will indicate Guide page number Useful during the test!!



By passing this course...



- You will meet one of the requirements for TCT certification
 - 4-year certification
- You will have met one of the requirements to become a Traffic Control Supervisor (TCS)

Course Schedule

MORNING

Introduction to TTC

TTC Standards and Guidelines

Fundamental Principles of TTC

Component Parts of a TTC Zone

Traffic Control Devices



Traffic Control Devices to Discuss

Signs

Arrow Panels

Channelizing Devices

Warning Lights

Pavement Markings

Additional Devices in the TCS course!



Course Schedule (cont.)

LUNCH

AFTERNOON

Tapers

Installation and Removal Procedures

Flagging

Other Considerations



Course Schedule (cont.)

CONCLUSION

Review Course Objectives

Course Evaluations

Exam

Adjourn no later than 5PM



Exam

- ◆ 40 True/False questions @ 2.5 points each = 100 pts
- Open book, open notes
- One hour time limit
- ◆ Passing score: 80%
- Make-up test available

EXAM





Introduction	Installation and removal
Standards	Flagging
Fundamental Principles	Other Considerations
Components	Closing
Devices	Exam
Tapers	Adjourn

- Define Temporary Traffic Control (TTC)
- Quantify the traffic safety problem in the USA



Why is Temporary Traffic Control Important?







SAFER ROADS SAVE LIVES



Introduction	Installation and removal
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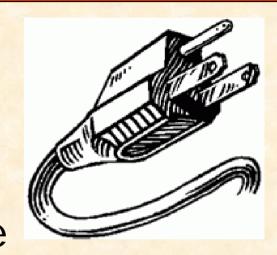


- Explain the importance of standards
- Discuss Federal and State standards and their relationship
- Define levels of compliance



Uniformity through standards promotes:

- Recognition and understanding
- Consistent interpretation
- More rapid driver response
- Motorist respect
- Reduced traffic control cost





Uniform treatment leads to uniform response!









Introduction	Installation and removal
Standards	Flagging
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- List the seven fundamental principles of TTC
- Describe their application



Proper Coverings?





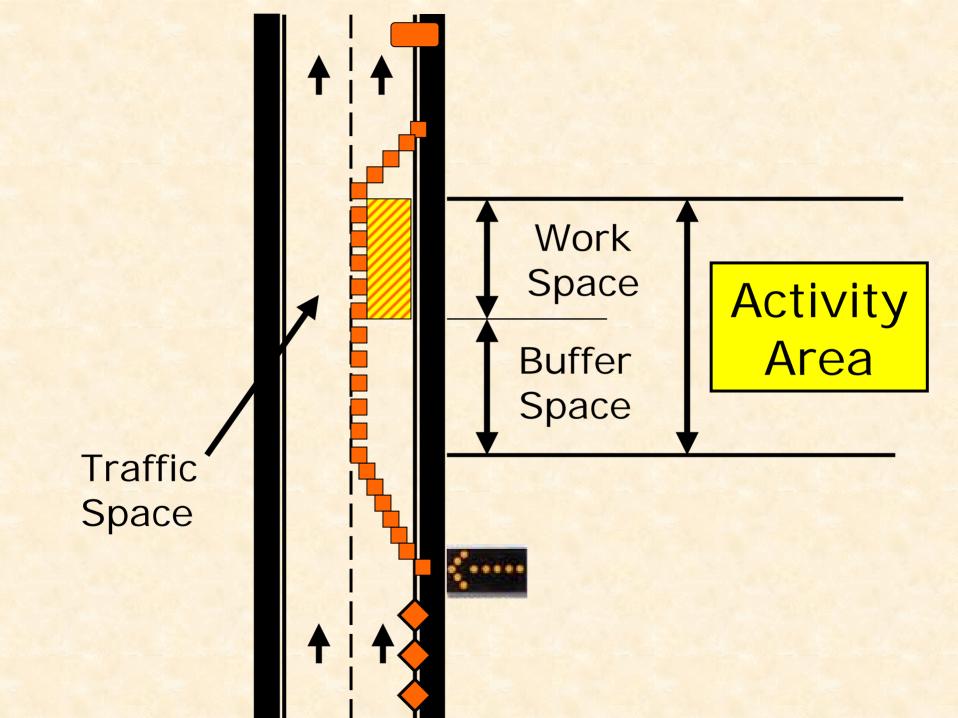


Introduction	Installation and removal
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- Define temporary traffic control zone
- Describe its five component parts
- Describe the requirements of each





22

Stopping-Sight Distance as a Function of Speed

Speed	L. Buffer
(mph)	(ft.)
20	115
25	155
30	200
35	250
40	305
45	360

Speed	L. Buffer
(mph)	(ft.)
50	425
55	495
60	570
65	645
70	730
75	820

(Use for Longitudinal Buffer Spaces)



Introduction	Installation and removal
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- Define traffic control devices and their requirements
- Discuss signs, channelizing devices, arrow panels and pavement markings and their requirements



Sign (Background) Color Code

Yellow: General Warning

Red: Stop or Prohibition

Blue: Motorist Services Guidance

Green: Direction

Brown: Recreational/Cultural Interest

Orange: Temporary

Black/White: Regulatory

Fluorescent Yellow-Green: Ped/Bike

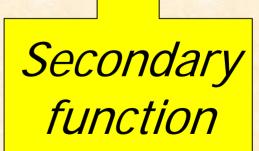
Fluorescent Pink: Incident Management

Functions of Channelizing Devices

CHANNELIZATION

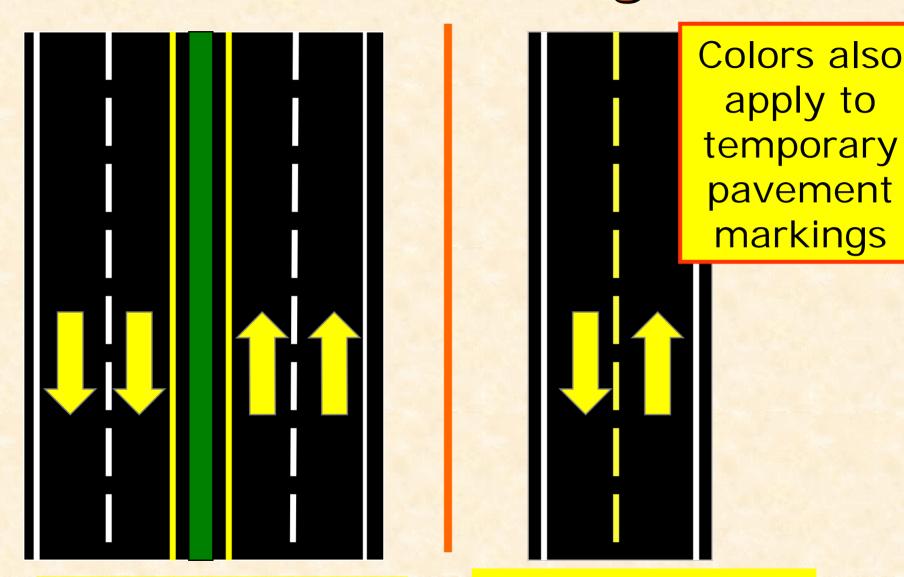








Pavement Marking Colors



Two-lane road

Multilane divided



Introduction	Installation and removal
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- Define tapers
- Discuss the various types of tapers
- Discuss their lengths and how to determine them
- Review device spacing



The Letter "L"

- Used to indicate the minimum length of a MERGING taper
- Other taper lengths are a fraction of L





2	2	3	

SHOULDER **TAPER EXAMPLE:**

S=55 mph

W = 12 ft

Shoulder taper:

= (1/3 L)

= 660/3

= 220' MIN.

80

720

MPH	9′	10′	11′	(12)
25	95	105	115	1 5
30	135	150	165	1 0
35	185	205	225	2 5
40	240	270	295	3 0
45	405	450	495	5 2
50	450	500	550	600
(55) (660)				(660)
6	540	600	660	720
65	585	650	715	780
70	630	700	770	840
75	675	750	825	900

800

880

960





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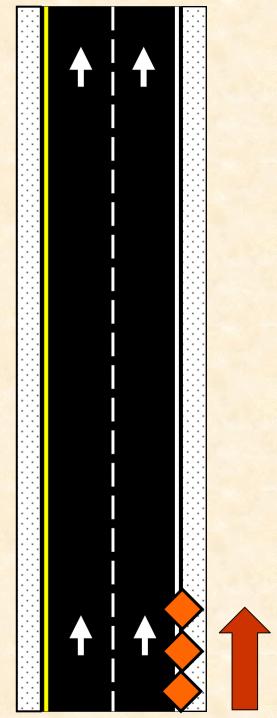
- Discuss the importance of proper installation and removal procedures
- Discuss the sequence to install and remove devices



Step 1

Install Advance Warning Signs

to warn the motorist of activity on or near the road





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- Discuss flagging techniques and signals
- List flagging equipment
- Discuss proper flagger location





Flagging Operation!

Special Case

Sp



Figure 6H-10. Lane Closure on Two-Lane Road Using Flaggers (TA-10) Note: See Tables 6H-2 and 6H-3 for the meaning of the (optional) symbols and/or letter codes used in this figure. Note: The buffer space should be extended so that the two-way c taper is placed before rizontal (or crest vertical) (100 ft) MAX One Lane Two-Way Traffic Taper 30 m (100 ft) MAX ROVD MORK **GN3** (optional) OR ROAD XX FT ROAD ROAD WORK OR WORK

Typical Application 10



Introduction	Installation and removal
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- Discuss "other" considerations that may improve safety
- Discuss potential adjustments to a traffic control plan
- Discuss high-visibility safety apparel requirements



Other Considerations

 "Non-typical" conditions that may require adjustments to the TTC zone





Class 3 Apparel

 Recommended for nighttime flagging

ANSI 107-2004 requires sleeves for Class 3 apparel





2003 MUTCD published BEFORE ANSI 107-2004



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- Discuss the "bottom line"
- Review the "Parking Lot"
- Review course objectives
- Complete course evaluation form
- Take exam
- Adjourn!



We've come a long way!!





...but we have a long way to go!!