

TYPE III

The three (3) rails on Type III barricades shall be reflective arange and reflective white stripes

on one side facing one-way traffic and both sides

>ix8

PANEL

4'-0" min..12'-0" usudi, maximum is variable

for two-way traffic.

see striping notes

BARRICADES 5 1/2 --> 7 1/2 2-2×4 TYPF I 6 1/2 2x6 For Type | Barricodes, both 2-2x4 sides of the top rall shall have reflective orange and reflective white striping. 2'-11 1/2" mln 2'-0" mln. 12' usuql. max is variable ix8x6* cleat 1x6x6" cleat / on each stae

TYPF 11 For Type II Barricades, all four (4) rail faces shall have reflective orange and reflective white striping. 2'-0" min, max is variable Habit "A" frome

VERTICAL

PANELS (VP)

Stripes to be

and reflective

reflective orange

Pavement Edge

45*

VP - 11

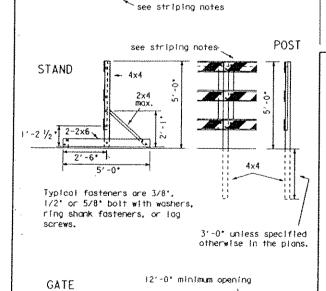
VIJAJA

see striping notes

Optional

see striping

notes

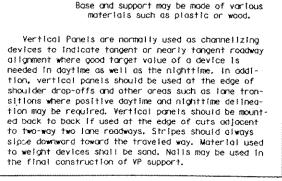


1x8 2x6~

(orger)

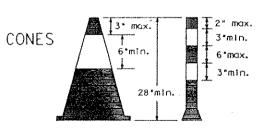
3'-0" unless specified

otherwise in the pions.



VP-IR

1/3//3//



BARRICADE NOTES

borr Loode.

one (I) Inch.

the Englineer.

hazard on any section.

details are plus or minus 1/2".

BARRICADE DETAILS

Barricades extending across a roadway, should have stripes slope downward in the direction toward which

traffic must turn in detouring. When both right and left

Striping of ralls, panels and gates for the right side

identification markings may be shown only on back side of barricode rolls. Waximum height of letters sholl be

Barricodes shall not be placed parallel to traffic un-

Barricades may be designed and constructed from wood.

When signs are placed on barricades, a maximum number of 2 signs per barricade section will be permitted.

unpainted galvanized metal or aluminulm components. Com-

ponents made of lumber shall be painted with a minimum of

two coats of an approved brand of white paint to insure

Barricades inside the project shall be removed upon

stripes are required on the backside, a 2" x 8" rall may

be used in life of the i x 8" rall and 2" x 4" stiffener.

All lumber sizes are nominal dimensions. Fabrication

Nalls may be used in the construction of the barri-

cade however, all connections "I'll have an approved

When Wood Barricades are used and when araboe and white

completion of the work and/or the elimination of the

Otherwise the rall should be fabricated as detailed.

thorough coverage and a uniform white color.

Barricades are to be constructed in a first-class workmanship manner of clean sound material. All surfaces above ground, which are not striped, shall be white except the

of the roadway, is shown above. For the left side of the

readway, striping should slope downword to the right.

less an adequate clear zone is provided (see BC(III).

or any other sultable material in a manner approved by

turns are provided for, the chevron striping may slope

downward to both directions from the center of the

Traffic cones and tubular markers shall be a minimum 28 Inches in height when used on freeways or used at nighttime. Orange shall be the predominant color on cones and tubular markers. They should be kept clean and bright for maximum visibility.

for nighttime use they shall be reflectorized or equipped with lighting devices for maximum visibility. Reflectorized material shall have a smooth, sealed outer surface which will display the same approximate color day and night.

Reflectorization of tubular markers shall be a min-Imam of two three-inch bonds bloced a maximum of 2 inches from the too with a maximum of 5 inches between the bands. Reflectorization of cones shall be provided by a minimum 6 inch band placed a maximum of 3 inches from the top.

Cones or tubular markers are generally suitable for temporary usage (up to 8 hours) with other channelization devices such as vertical panels or drums for long term usage. Care should be taken to Insure that they remain in their proper location and in an upright position.

BARRICADE CHARACTERISTICS

Number of

Reflectorized Roll Foces

TYPE.	ŧ	\$ L		
Width of Rail	8" min-12" max	8" min-12" max		
Length of Rall	2 11 គារា	2 ft min		
Width of Stripes**	6 Inches	6 Inches		
He Lond	3 ft min	3 ff min		
Number of Reflectorized	2 (one each direction)			
Rall Faces				
TYPE *	3 3 \$			
Width of Rall	8* min-+2* max	κ		
Length of Rali	4 ft min			
Wigth of Stripes**	6 Inches			

For wooden borricodes noming: lumber dimension will

be satisfactory
** For rails less than 3 feet long, 4 inch wide stripes

3 if facing traffic

6 if factor traffic

in one direction

TYPICAL TRANSITION LENGTHS AND SUGGESTED MAXIMUM SPACING OF DEVICES

		Minimum Destrable Taper Lengths * *			Suggested Maximum Spacing of Device		
Posted Speed *	Formula	IQ Offset	ll' Offset	12' Offset	On a Taper	On a Tangent	
30	r= 80	150′	1651	180′	30′	60'-75'	
35		205	225′	245'	351	70' -90'	
40		265′	2951	3201	40'	80'-100'	
45		450'	4951	5401	451	90'-110'	
50	L=WS	5001	5501	600'	50.	100'-125'	
55		550,	6051	660′	55′	110'-140'	
60		600,	660'	7201	60,	120'-150	
65		6501	715'	780'	65	130'-175'	

* 85th Percentlie Speed may be used on roads where fraffic speeds normally exceed the posted speed limit. ** Haper lengths have been rounded off. (.-Length of Taper (FT.) W-Width of Offset (FT.)

RETROREFLECTIVE SHEETING

S=Posted Speed (MPH)

Type A = Engineer Grade Type B = Super Engineer Grode

Type C = High Specific Intensity

as defined in Material Specification D-9-8300

GENERAL NOTES

REFLECTOR LATION

The reflectorized white and reflectorized orange stripes for channellzing devices such as barricades, drums and vertical panels shall be constructed of retroreflective sheeting meeting the coinc and reflectivity requirements of Material Specification, D-9-8300, Type C, unless otherwise specified In the plans. Channelizing devices used only during dayllahi hours, may use any type sheeting meeting the color and reflectivity requirements of Material Specification, D-9-8300.

WARNING LIGHTS

Warning lights shall meet the requirements of the Texas Manual on Uniform Traffic Control Devices.

Type A-Low Intensity Fiashing Warning Lights are commonly mounted on signs and/or barricades. They are intended to warr the driver that he is approaching a potentially hazardous area. Their use shall be as specified elsewhere in the plans. on Sheets BC(1) and BC(2), or as directed by the Engineer. Flashing warning lights shall not be used in a series.

Type B-High Intensity Flashing Warning Lights are normally used at/or approaching patentially hazardous site conditions within the construction area. As these lights are effective In daylight as well as dark, they are designed to operate 24 hours per day. Their use should be specified elsewhere in the plans or as directed by the Engineer. Flashing warning lights shall not be used in a series.

Type-C Steady Burn Lights are intended to be used in a series for delineation to supplement other traffic control devices. Their use shall be as specified in the plans, these standard sheets or as directed by the Engineer.

When required by the Engineer the Contractor shall furnish a copy of the warning lights certification. The certification will be by the manufacturer, stating the lights meet the requirements of the latest ITE Purchase Specifications for Flashing and Steady-Burn Warning Lights.



STANDARD PLANS TEXAS DEPARTMENT OF TRANSPORTATION

BARRICADE AND CONSTRUCTION STANDARDS

CHANNELIZING DEVICES

The property of the company of the contract of

BC(3) - 94

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Optional Prismotic Type de con 4" - 8" Reflector Unit > wide stripe goor ox. 18° min. sand boa 24' max. PLASTIC 4" max. **DRUMS**

Metal arums used as a channelizing device or sign support shall not be allowed.

Plastic Drums, set on end, and used for traffic warning or channelization shall be approximately 36 inches in belight and minimum of 18 inches in digneter. Two-piece plastic drives should be base mounted with closed top. Too may have a hand or ip. Two piece plastic barrels should be welconted with a minimum of 30 pounds and a maximum of 75 pounds of sand placed in one or two sand bags or a sand filled base. When one piece plastic drums are used they shall be weighted with a maximum of 50 pounds of sand.

Natis or achesives may be used to secure base of two piece drums to pavement. Nails or adhesives should not be used to secure one piece drum to povement.

The markings on drums shall be horizontal, alroumferential, reflectorized arange and reflectorized white stripes, 4 to 8 Inches wide. The first reflectorized stripe should start within four inches of the top of the drum. There shall be at least two orange and two white stripes on each drum. If there are non-reflectorized spaces between the horizontal pranae and white stripes, they shall be no more thon 2 Inches wide.

Color of drums before reflectorized stripes are added shall be aronge.

Delineators may be placed on drums used in series for traffic channelization as specified in the plans or as directed by the Engineer. Color of delineators shall conform to the IMUICD requirements.

attached as per the manufacturer's recommendations. CWI-8 CHEVRON signs should not be mounted on plastic

When worning lights are attached to drums, they shall be

drums unless specified in the pions.