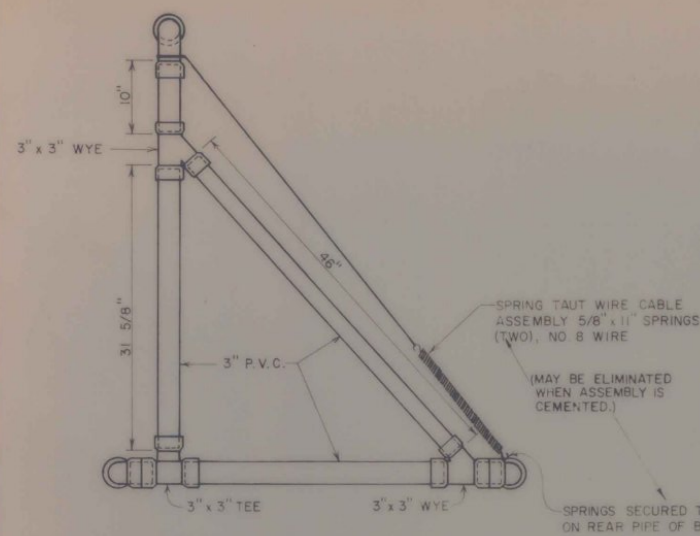
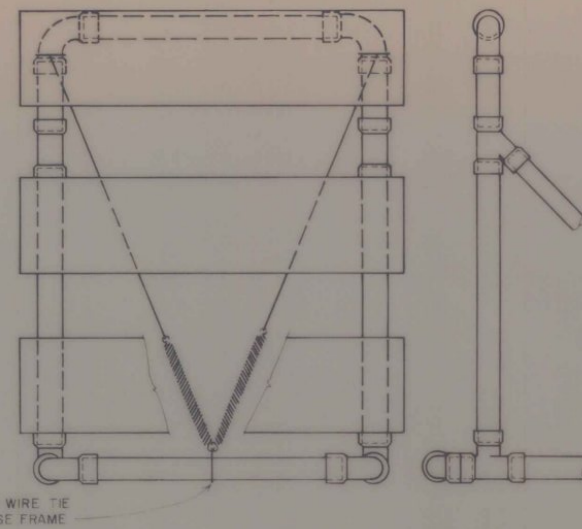


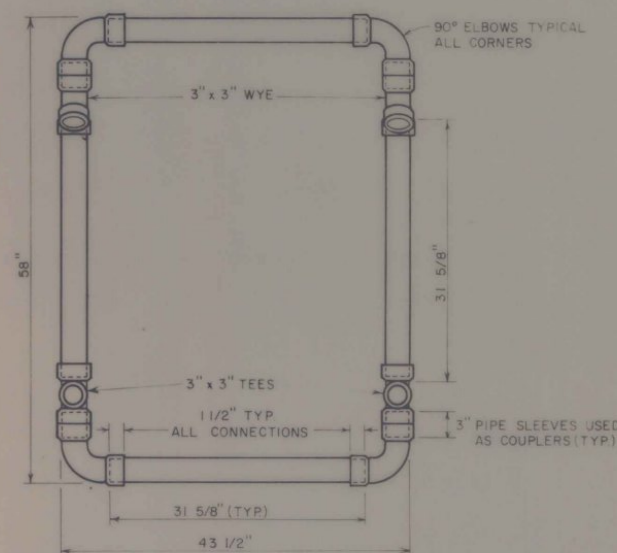


SIDE VIEW

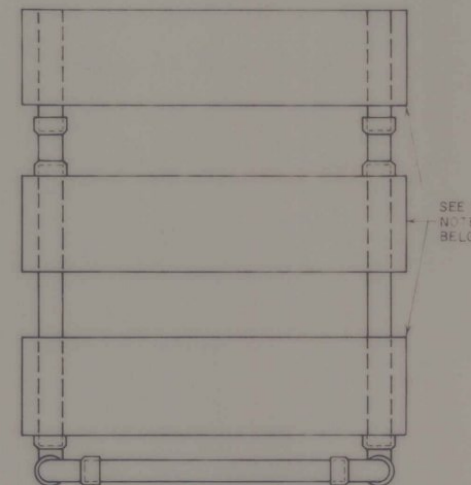


BARRICADES SHALL BE STABILIZED WITH SAND BAGS OF MINIMUM WEIGHT WHICH WILL NOT CONSTITUTE A HAZARD WHEN BARRICADE IS HIT. THE SAND BAGS SHALL BE PLACED ON THE BASE FRAME OF THE BARRICADE. STABILIZERS SHALL BE SO PLACED AS NOT TO BE A HAZARD TO VEHICLES PASSING ON EITHER SIDE.

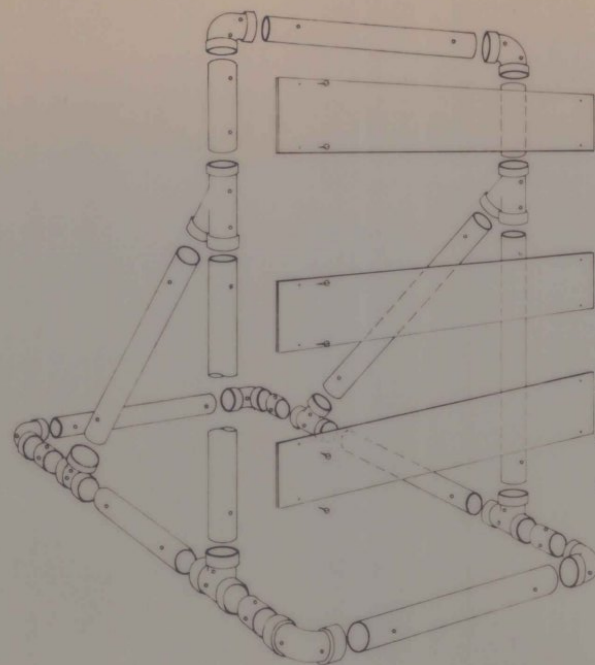
IF BARRICADE REPLACEMENT COSTS CAN BE CONSIDERED NEGLIGIBLE, GLUED JOINTS MAY PROVIDE ADDITIONAL STABILITY TO THE INSTALLATION.



TOP VIEW OF BASE



FRONT VIEW



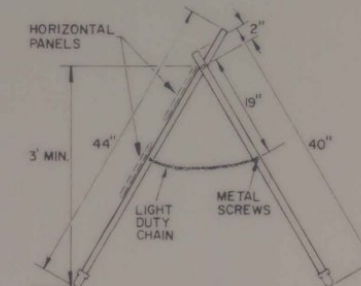
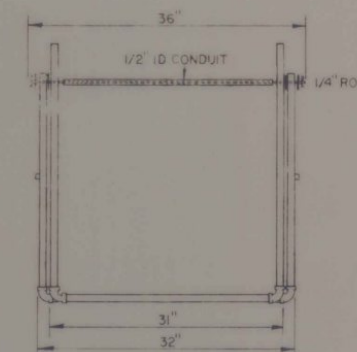
BARRICADE ASSEMBLY

MATERIALS LIST FOR ONE BARRICADE

3" Diameter Pipe	30 LF
3" 1/4 Bend Elbow	6 EA
3" Tee	2 EA
3" Wye	4 EA
8 x 48 x 0.25 Barricade Panels	2 EA
5/8 x 11 No. 8 Spring	2 EA
1" No. 14 Pan Head Metal Screws	12 EA
No. 14 Blk. Annealed Tie Wire	15 LF

WARNING LIGHTS

WARNING LIGHTS, IF REQUIRED BY THE PLANS OR RESIDENT ENGINEER, SHALL BE ATTACHED TO THE TOP OF THESE BREAKAWAY BARRICADES WITH A MINIMUM MOUNTING HEIGHT OF 36 INCHES TO THE BOTTOM OF THE LENS. A FLASHING WARNING LIGHT SHOULD BE PLACED ON BARRICADES USED SINGLY AND STEADY BURN WARNING LIGHTS SHOULD BE PLACED ON BARRICADES USED IN A SERIES FOR TRAFFIC CHANNELIZATION. THE WARNING LIGHTS SHALL CONFORM TO THE REQUIREMENTS FOUND IN THE M.U.T.C.D. WHEN THE INTEGRAL WARNING LIGHT UNIT IS USED, THE BATTERY PACK SHALL CONTAIN A LIGHT WEIGHT DRY CELL BATTERY AND THE UNIT SHALL BE RESTRAINED WITH A TETHER CABLE OR WIRE (12' LENGTH) SECURELY FASTENED TO THE BARRICADE SO AS TO AVOID HAVING THE UNIT BECOME A DANGEROUS FLYING OBJECT IF THE BARRICADE IS HIT.



TYPE I & II BARRICADE DETAILS

MATERIALS

The pipe, wye, tees and elbows used to construct Barricades shall conform to the requirements of ASTM Designation D 2241 for P.V.C. 1120 or 1220 SDR-21, pressure rating 200 p.s.i. The wye, tees and elbows shall conform to the requirements of ASTM Designation D 2466, Type II, Grade 1. All joints shall be slip-fit and may be lightly cemented.

The 8 x 48" barricade rails shall be fabricated from 0.025" anodized aluminum and shall have reflectorized alternating orange and white stripes (sloping downward at an angle of 45 degrees in the direction traffic is to pass).

COLORS

The barricades shown on the sheet shall have reflectorized orange and white stripes. The orange shall conform with the standard color adopted by the American Association of State Highway And Transportation Officials and approved by the U.S. Department of Transportation, Federal Highway Administration.

LOCATION

The barricades shown on this sheet will be located by the Engineer in the field or as shown on the plans. The locations of the barricades shall follow the procedures set forth in the Manual on Uniform Traffic Control Devices.

MAINTENANCE

Barricades shall be maintained in clean and legible conditions satisfactory to the Engineer.

They shall be completely visible to approaching traffic at all times. Damaged, defaced, or dirty barricades shall be repaired, cleaned or replaced as ordered by the Engineer.

The P.V.C. Pipe or fittings shall be white in color. If the fittings are not available, other colors may be substituted.

A. At least two (2) holes shall be drilled (3/16" to 1/4") in each section of pipe and fittings if the assembly is not cemented.

MATERIALS FOR TYPE I & II BARRICADES

- 20'-1" PVC
- 4'-1" PVC 90° ELBOWS
- 36'-1/2" ID THINWALL CONDUIT
- 36'-1/4" STEEL ROD
- 4'-1" WASHERS
- 24'-1" LIGHT DUTY CHAIN
- 4'-METAL SCREWS
- 2-3/4" COTTER PINS

TYPE I BARRICADES SHALL CONSIST OF ONE HORIZONTAL PANEL.

TYPE II BARRICADES SHALL CONSIST OF AN ADDITIONAL HORIZONTAL PANEL MOUNTED BELOW THE OTHER.

SEE STD E-7 FOR USE REQUIREMENTS.

REVISIONS & CORRECTIONS

JAN. 11, 1977 - REVISED ACCORDING TO FHWA REQUIREMENTS.

JUNE 8, 1977 - MATERIALS LIST ADDED.

APR. 8, 1982 - CEMENTING NOTE AND BARRICADES TYPE I & II ADDED.

JUNE 13, 1984 - RAILS CHANGED FROM 9" TO 8".

JAN. 3, 1985 - SAND AND WARNING LIGHT NOTE ADDED.

FEB. 3, 1986 - UPDATED TO 1986 SPECIFICATIONS.

APPROVED

Dec 30, 1976

E. H. Stibney

RO Munn

Loen E. Jones

TRAFFIC SIGNS

BREAKAWAY BARRICADE DETAILS



STANDARD E-7A