NOTES:

1. The details and materials for Type III Construction Barricades are NCHRP 350 approved. If the contractor elects to use an alternate design or materials, the alternative shall be NCHRP 350 approved.

2. The alternatives shown on this sheet are equally acceptable and the contractor may use any one or a mixture of types.

3. Panels shall have 6" pipe reflectors painted orange and white diagonal stripes of Type I or Type III sheeting sloping at an angle of 45°, in accordance with 729-08. The stripes shall slope downward toward the side on which traffic is to pass.

4. Barricades may be placed on the base members of the barricade. Ballast shall not exceed the clearance passage height of 6' where barricades are used to channelize pedestrians.

5. Panels for barricades may be wood, plastic, or aluminum. Pipe for barricades shall be 6" or larger in diameter.

6. When the battery and light unit weigh more than 7 lbs., the battery shall be mounted on the bottom of the barricade.

7. All types shall be white. Fittings and extensions shall be red or yellow. All colors in alternate "A" shall be red and a yellow element compatible with the type-C pole.

8. All joints in alternate "B" shall be free to separate upon vehicle impact where pipes and fittings shall be treated together with modulus of elasticity type threads into the pipe and fittings interior.

9. If barricades are used to channelize traffic, the bottom shall be continuous detectable bottom and top rails with no gap between individual barricades or extensions to be detectable by blind or visually impaired users of long canes. The bottom of the bottom rail shall be no higher than 6" above the ground and the top of the top rail shall be no lower than 3' above the ground.

10. WARNING LIGHTS NOT WEIGHING MORE THAN 7 POUNDS WITH BATTERIES, MAY BE MOUNTED WITH A ½" BOLT, WITH NUT AND WASHER PLACED THROUGH A 3/8" HOLE, DRILLED OR PINCHED 1" FROM THE TOP OF THE UPRIGHT OF TRAFFIC DIRECTION.
THE DETAILS AND MATERIALS FOR TYPE III CONSTRUCTION BARRICADES ARE NCHRP 350 APPROVED. IF THE CONTRACTOR ELECTS TO USE AN ALTERNATE DESIGN OR MATERIALS, THE ALTERNATIVE SHALL BE NCHRP 350 APPROVED.

THE ALTERNATES SHOWN ON THIS SHEET ARE ALSO ACCEPABLE AND THE CONTRACTOR MAY USE ANY ONE OR A MIXTURE OF THEM.

PANELS SHALL HAVE ONE REFLECTORIZED ORANGE AND WHITE DIAGONAL STRIPE OF TYPE I OR TYPE III SHEETING SLOPING AT AN ANGLE OF 45°, IN ACCORDANCE WITH 729-08. THE STRIPES SHALL SLOPE DOWNWARD TOWARD THE SIDE ON WHICH TRAFFIC IS TO PASS.

BALLAST MAY BE PLACED ON THE BASE MEMBERS OF THE BARRICADE, BUT SHALL NOT ENTER THE ACCESSIBLE PASSAGE WIDTH OF 5' WHERE BARRICADES ARE USED TO CHANNELIZE PEDESTRIANS.

PANELS FOR BARRICADES MAY BE WOOD, PLASTIC, OR ALUMINUM.

WHEN THE BATTERY AND LIGHT WEIGH MORE THAN 7 LBS, THE BATTERY SHALL BE MOUNTED AT THE BOTTOM OF THE BARRICADE.

ALTERNATE "M" BARRICADES SHALL BE EXTENDED WITH INTERNAL SPLICE MEMBERS. THE INTERNAL SPLICE MEMBERS SHALL BE ONE FOOT LENGTH OF SQUARE STEEL TUBING INSERTED INTO THE UPRIGHTS, WITH THE EXTENSION SEAL BE PLACED OVER THE TOP OF THE INTERNAL SPLICE MEMBER. THE EXTENSION AND INTERNAL SPLICE MEMBER SHALL BE HELD IN PLACE WITH "B" BOLTS WITH NUTS AND WASHERS PLACED 4" ABOVE AND BELOW THE JOINT FORMED BY THE EXTENSION.

THE INTERNAL SPLICE MEMBERS SHALL BE ONE OF THE FOLLOWING SIZES DEPENDING UPON THE TUBING USED TO FABRICATE THE BARRICADE. GAUGES FOR SQUARE TUBES SHALL BE UNITED STATES STANDARD GAUGE.

- 12 GAUGE 1" X 1"
- 14 GAUGE 1½" X 1½"
- 12 GAUGE 1½" X 1½"
- 14 GAUGE 1½" X 1½"
- 12 GAUGE 1½" X 1½" ASTM A653
- 12 GAUGE 1½" X 1½" ASTM A1011

IF BARRICADES ARE USE TO TEMPORARILY CHANNELIZE PEDESTRIANS, THERE SHALL BE CONTINUOUS DETECTABLE BOTTOM AND TOP RAILS WITH NO GAP BETWEEN INDIVIDUAL BARRICADES, TO BE DETECTABLE TO BLIND OR VISUALLY IMPAIRED USERS OF LONG CANES. THE BOTTOM OF THE BOTTOM RAIL SHALL BE NO LESS THAN 6" ABOVE THE GROUND SURFACE.

THE TOP OF THE TOP RAIL SHALL BE NO LESS THAN 3' ABOVE THE GROUND SURFACE.