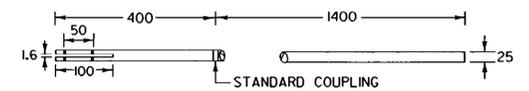


SIGN DETAIL

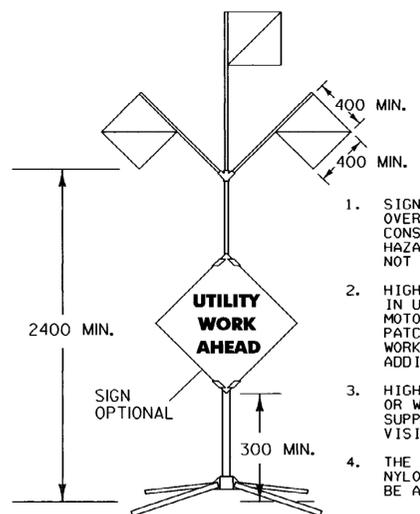


STAFF DETAIL

MATERIALS:
 THE SIGN MATERIALS SHALL BE 1.6-MM ALUMINUM WITH COLORS AS INDICATED ON DETAILS.
 THE STAFF SHALL BE DN27 x 3.2 RIGID ALUMINUM CONDUIT OR TUBING WITH A WALL THICKNESS OF 3.18 MM.

MOUNTING:
 THE STAFF SHALL BE MOUNTED WITH EITHER 2-M6 x 1 ALUMINUM BOLTS OR 2-M6 ALUMINUM RIVETS.

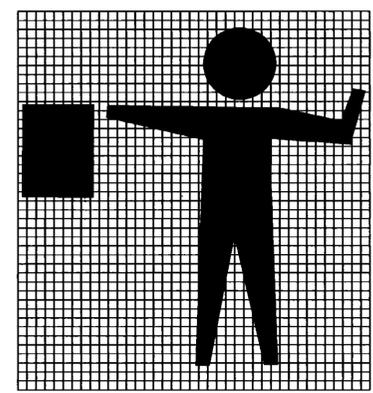
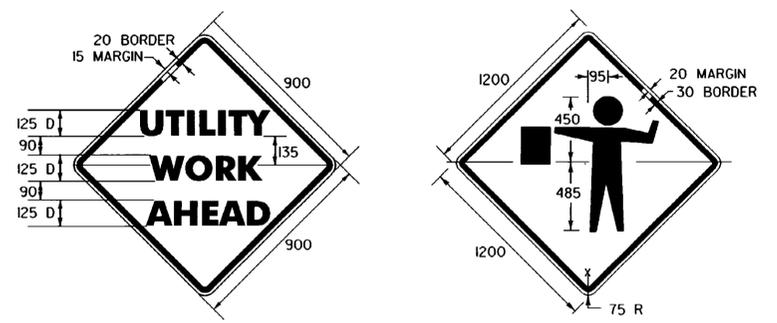
SIGN PADDLE FOR FLAGPERSON



GENERAL NOTES

1. SIGN SUPPORTS MAY BE LOADED TO PREVENT OVERTURNING. APPROPRIATE BALLAST SHALL BE CONSIDERED THAT WHICH DOES NOT CREATE A HAZARD TO THE IMPACTING VEHICLE AND DOES NOT BECOME A PROJECTILE UPON IMPACT.
2. HIGH LEVEL WARNING DEVICES ARE COMMONLY USED IN URBAN HIGH DENSITY SITUATIONS TO WARN MOTORISTS OF OPERATIONS SUCH AS PAVEMENT PATCHING, MANHOLE WORK, SURVEYING, UTILITY WORK, ETC., OR IN RURAL AREAS REQUIRING ADDITIONAL VISIBILITY.
3. HIGH LEVEL WARNING DEVICES MAY BE USED WITH OR WITHOUT SIGNS. THEY SHOULD BE USED ONLY TO SUPPLEMENT OTHER DEVICES WHERE ADDITIONAL VISIBILITY IS NEEDED.
4. THE THREE FLAGS SHALL BE FLUORESCENT ORANGE NYLON-VINYL WITH A DIAGONAL STAY. THEY SHALL BE A MINIMUM OF 400 X 400.

HIGH LEVEL WARNING DEVICE



INSTALLATION
 THE SIGNS SHALL BE IN-PLACE AT THE TIME THE PROJECT COMMENCES. EACH SIGN SHALL BE ERRECTED IN A NEAT AND PROFESSIONAL MANNER ON WOOD OR METAL POSTS SET SECURELY IN THE GROUND, UNLESS OTHERWISE NOTED ON THIS SHEET. THE BOTTOM OF A SIGN, UNLESS OTHERWISE NOTED SHALL BE AT LEAST 2.1 m ABOVE EDGE OF TRAVELED WAY, AND THE NEAREST EDGE OF A SIGN SHALL BE AT LEAST 1.8 m OUTSIDE THE SHOULDER POINT OR 600 mm OUTSIDE GUARD RAIL, CURBING OR SIDEWALK. SIGNS MOUNTED ON BARRICADES OR TEMPORARY SUPPORTS SHALL BE POSITIONED SUCH THAT THE BOTTOM OF THE SIGN IS NOT LESS THAN 300 mm ABOVE THE PAVEMENT ELEVATION.

REFLECTORIZATION
 ALL REFLECTORIZED MATERIAL SHALL CONSIST OF AASHTO TYPE IIA, TYPE III(A & B), OR TYPE III C REFLECTIVE SHEETING. THE TEXT AND BORDERS MAY BE SCREENED, LETTERING FILM OR HAND PAINTED.

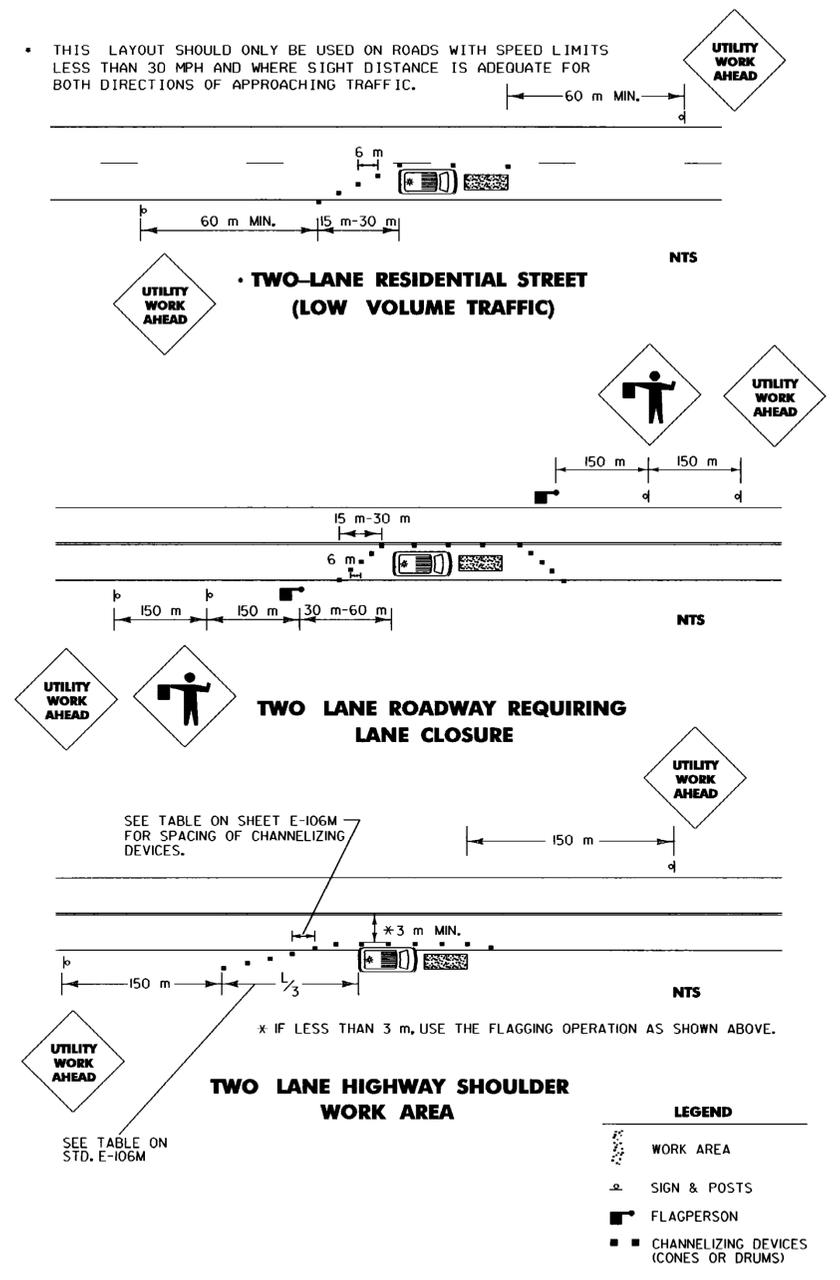
COLORS
 THE WARNING SIGNS SHOWN ON THIS SHEET SHALL HAVE BLACK TEXT BORDER AND SYMBOLS ON A REFLECTORIZED ORANGE BACKGROUND THE ORANGE SHALL CONFORM WITH THE STANDARD COLORS ADOPTED BY AASHTO AND APPROVED BY FHWA.

TEXT DESIGN
 LETTERS, DIGITS, SPACING AND TEXT DIMENSIONS SHALL CONFORM WITH THE STANDARD ALPHABETS AND DESIGN PRESCRIBED IN THE MUTCD.

SPECIFICATIONS
 AS PRESCRIBED IN THE VAOT STANDARD SPECIFICATIONS FOR CONSTRUCTION. WARNING SIGNS SHALL MEET THE STANDARD STATE SPECIFICATIONS FOR TRAFFIC SIGNS.

SIGN BASE MATERIAL
 THE SIGN BASE MATERIAL USED FOR THE WARNING SIGNS ON THIS SHEET MAY BE OF ANY OF THE FOLLOWING WITH MINIMUM THICKNESS AS NOTED.

FLAT SHEET ALUMINUM - 3.18 mm
 HIGH DENSITY OVERLAYED PLYWOOD - 16 mm
 GALVANIZED SHEET METAL - 2.77 mm



OTHER STDS. E-106M REQUIRED:

NOTE: ALL DIMENSIONS ARE IN MILLIMETERS (mm) EXCEPT WHERE NOTED.

REVISIONS AND CORRECTIONS
 JUNE 13, 1997 - ORIGINAL APPROVAL DATE

APPROVED

 DIRECTOR OF ENGINEERING

 DIRECTOR OF CONSTRUCTION AND MAINTENANCE

UTILITY WORK ZONE



Metric STANDARD E-119 M