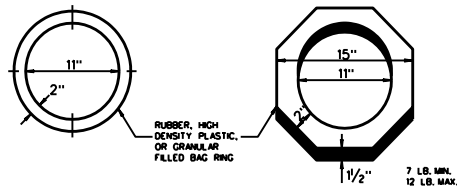
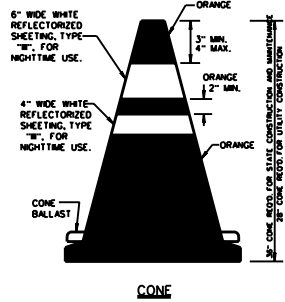


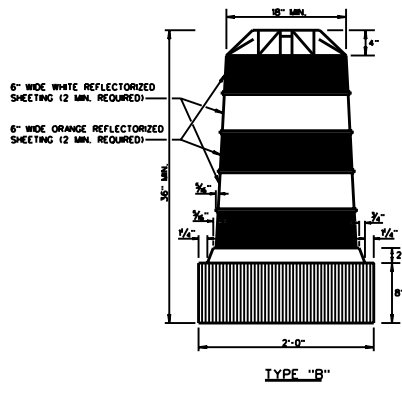
FUTA NO. 1045	STATE AL	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	AL				



BALLAST FOR CONE
BALLAST WILL BE REQUIRED ONLY FOR SPECIAL CONDITIONS. ALL DIMENSIONS ARE APPROXIMATE.



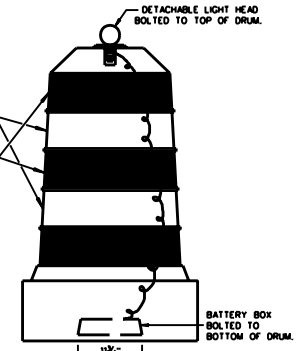
CONE



TYPE "B"

CHANNELIZING DRUM DESIGN

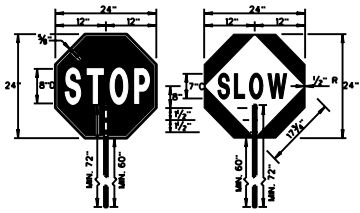
CHANNELIZING DRUMS SHALL BE FLEXIBLE PLASTIC, SET ON END AND COLOR SHALL BE ORANGE AND WHITE. DRUMS SHALL BE REFLECTORIZED FOR USE AT NIGHT AND SHOULD NEVER BE PLACED IN THE ROADWAY WITHOUT ADVANCED WARNING SIGNS. FLASHING WARNING LIGHT SHOULD BE ADDED WHEN DRUMS ARE USED SINGLY, AND STEADY WARNING LIGHTS WHEN USED IN SERIES. DRUMS SHOULD NOT BE WEIGHTED TO THE EXTENT THAT WOULD MAKE THEM HAZARDOUS TO MOTORISTS.



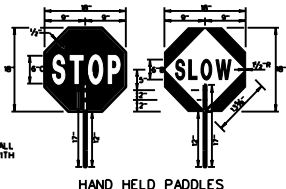
EXAMPLE OF DETACHABLE HEAD WARNING LIGHT ATTACHED TO DRUM

REFLECTORIZED SHEETING DESIGN

REFLECTIVE SHEETING USED ON CHANNELIZING DRUMS SHALL BE TYPE "W", AS DESCRIBED IN THE ALABAMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, SECTION 880.

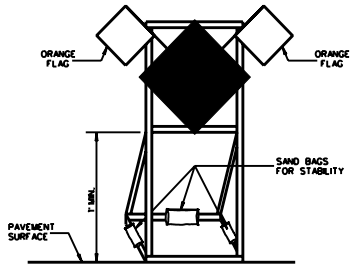


STAFF MOUNTED PADDLES



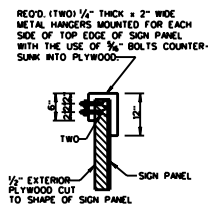
HAND HELD PADDLES

THE STAFF MOUNTED AND HAND HELD STOP/SLOW PADDLES SHALL BE FABRICATED USING TYPE "W" REFLECTIVE SHEETING ON BOTH SIDES. THE STOP SIGN SHALL HAVE A RED BACKGROUND WITH WHITE LEGEND AND BORDER. THE SLOW SIGN SHALL HAVE AN ORANGE BACKGROUND WITH BLACK LEGEND AND BORDER.



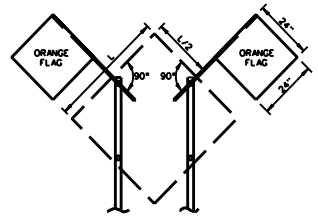
TYPICAL SIGN INSTALLATION (TEMPORARY SUPPORTS)

NOTE: FRAME TO BE OF 2" x 4" WOOD, 2" MIN. DIA. SCHEDULED 40 P.V.C. OR MIN. 1 1/2" x 1 1/2" 12 GA. GALVANIZED TUBULAR STEEL AND DIMENSIONED TO PROVIDE A STABLE SUPPORT SATISFACTORY TO THE DEPARTMENT. IF WOOD FRAME IS PAINTED, COLOR SHALL BE WHITE. ON SLOPED SURFACES, THE LOW SIDE OF THE SUPPORT SHALL BE ADJUSTED SO THAT THE SIGN LEGEND REMAINS HORIZONTAL. TEMPORARY SUPPORTS MAY BE USED ONLY WHERE SIGNS ARE TO BE MOVED FREQUENTLY FROM ONE LOCATION TO ANOTHER DURING THE COURSE OF THE PROJECT. STATIONARY SUPPORTS WILL BE USED AT ALL OTHER LOCATIONS AND SHALL BE OF EITHER TIMBER (TREATED OR PAINTED) OF NOT LESS THAN 4" x 4" CROSS SECTION OR METAL, MIN. #2 "U" CHANNEL OR EQUIVALENT. THE CONTRACTOR MAY SUBMIT WRITTEN ALTERNATES TO THIS TYPICAL INSTALLATION SCHEME FOR CONSIDERATION OF APPROVAL BY THE ENGINEER.



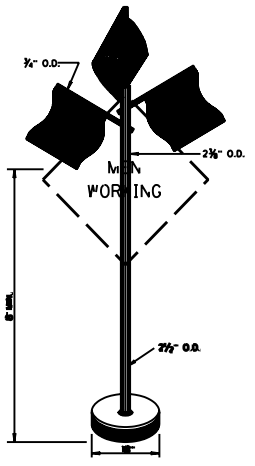
INSTALLATION OF SIGN COVERING MATERIAL DURING NON-USE

EXPOSED SURFACE MAY BE PAINTED. IF PAINTED, COLOR SHALL BE BLACK. ALTERNATE TYPES OF COVERING MATERIAL AND METHODS OF INSTALLATION MAY BE SUBMITTED BY THE CONTRACTOR FOR CONSIDERATION OF APPROVAL BY THE DEPARTMENT.

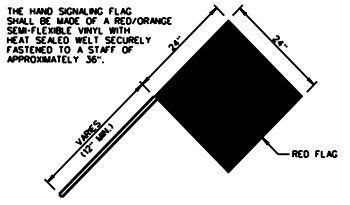


WARNING FLAGS MOUNTING ON CONSTRUCTION SIGNS

WARNING FLAG UNIT SHOWN IS ONLY A GUIDE AND OTHER VARIATIONS WILL BE ACCEPTED. FLAGSTAFF IS ADJUSTABLE FROM 3 TO 9 IN HEIGHT. FLAGS ARE 24" x 24" IN SIZE AND FLAG UNIT COLOR SHALL BE ORANGE OR FLUORESCENT RED/ORANGE IN COLOR. FLAG UNIT SHOWN HAS ALL PARTS, MADE OF ONE OF THE NEW PLASTICS, IS LIGHT AND CAN BE DISASSEMBLED FOR EASY HANDLING AND PORTABILITY. ALSO, BASE CAN BE FILLED WITH BALLAST FOR GREATER STABILITY. FLAG UNIT CAN BE USED WITH "MEN WORKING" SIGN ATTACHED, SIGN SIZES SHALL BE 30", 36", OR 48".



WARNING FLAG UNIT



HAND SIGNALING FLAG

FLAGS SHOULD ONLY BE USED UNDER EMERGENCY CONDITIONS, OR AT A SPOT LOCATION WHICH CAN BEST BE CONTROLLED BY A SINGLE FLAGGER USING A FLAG.

THE HAND SIGNALING FLAG SHALL BE MADE OF A RED/ORANGE SEMI-FLEXIBLE VINYL WITH HEAT SEALED WELT SECURELY FASTENED TO A STAFF OF APPROXIMATELY 3/8".

-- SPECIFICATIONS --
CURRENT ALABAMA DEPARTMENT OF TRANSPORTATION

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REVISIONS

1. Checked drawings to Title and as per notes and returned to the Designer on 10/13/2004 by C.L.S.
2. Approved Title and as per notes on 10/13/2004 by C.L.S.
3. Checked drawings to Title and as per notes and returned to the Designer on 10/13/2004 by C.L.S.
4. Checked drawings to Title and as per notes and returned to the Designer on 10/13/2004 by C.L.S.

DESIGNED BY: _____ DATE: 10-05-04

CHECKED BY: _____ DATE: 10-05-04

ALABAMA DEPARTMENT OF TRANSPORTATION
1100 COLLEGE AVENUE
MONTGOMERY, AL 36103-3050

DESIGN BUREAU SPECIAL DRAWING

DETAILS FOR TRAFFIC CHANNELIZATION DEVICES

SPECIAL DRAWING NO. TCD-100

SHEET NO. 1045