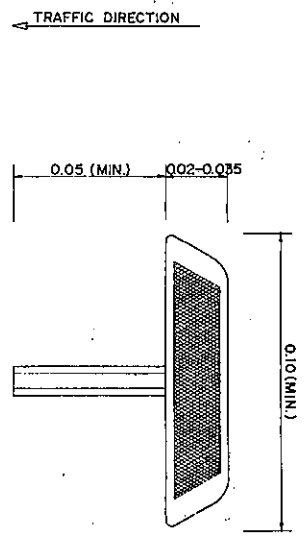
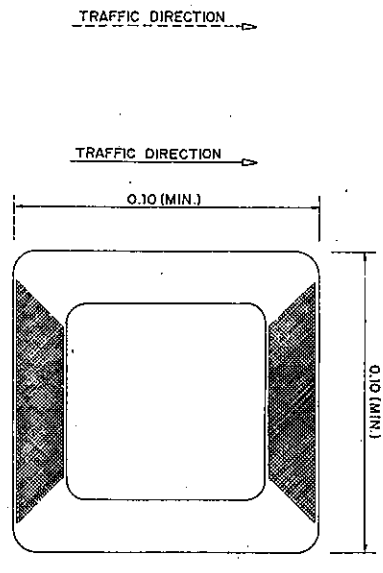
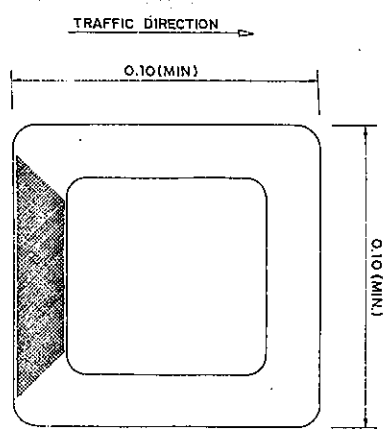


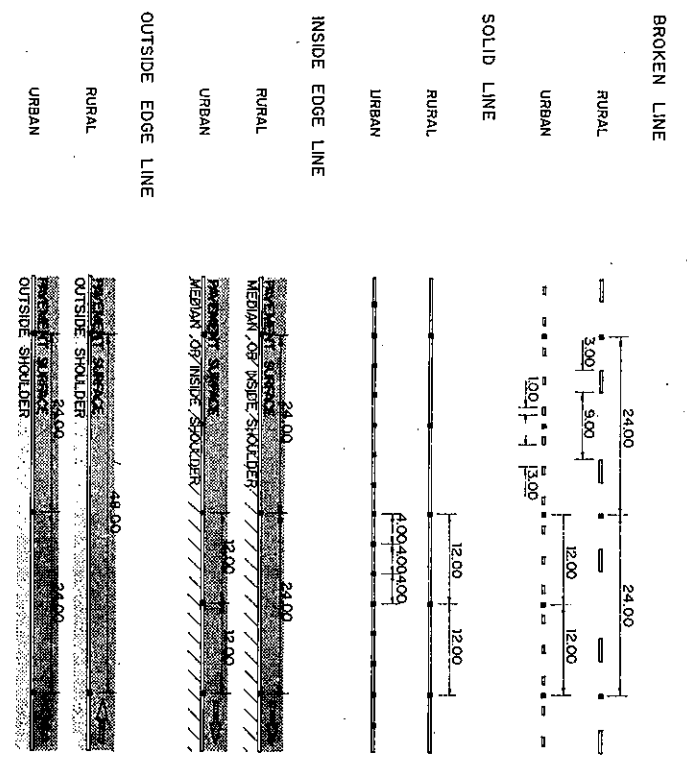
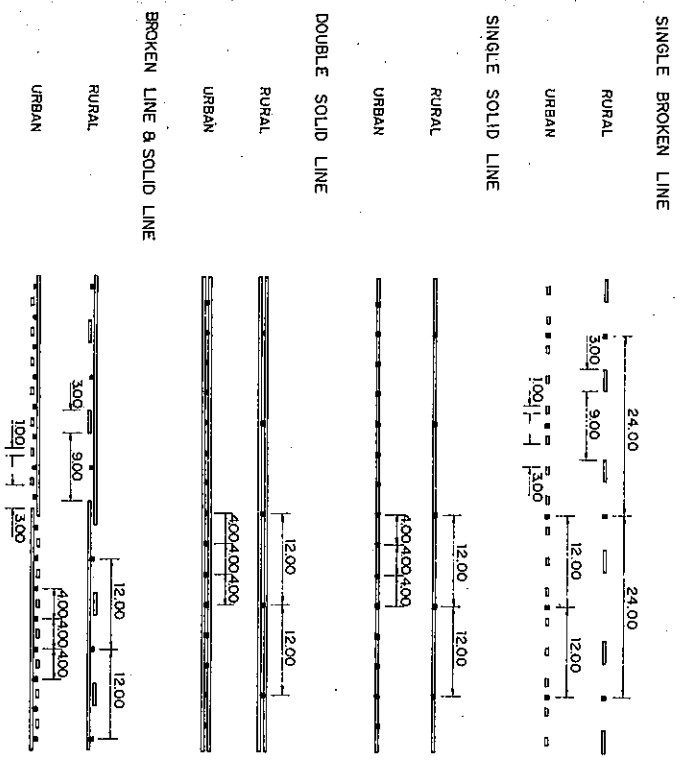
ชุดแบบมาตรฐาน Road Stud



PLAN OF UNI-DIRECTIONAL TYPE ROAD STUD NOT TO SCALE

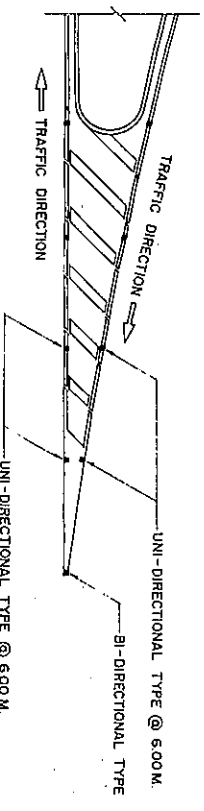
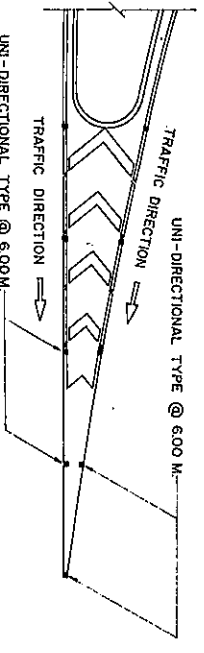
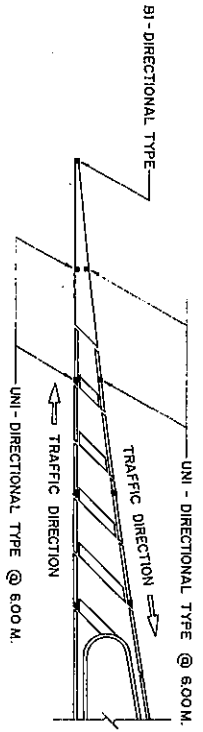
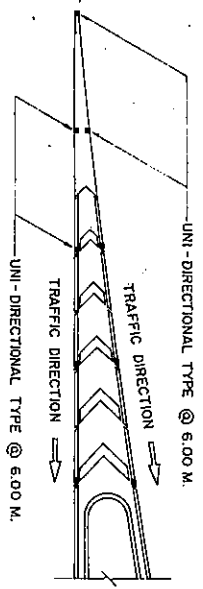
PLAN OF BI-DIRECTIONAL TYPE ROAD STUD NOT TO SCALE

SIDE ELEVATION OF ROAD STUD NOT TO SCALE



ROAD STUD AT CENTER LINE OF ROADWAY NOT TO SCALE

ROAD STUD AT LANE LINE & EDGE LINE NOT TO SCALE



ROAD STUD AT CHEVRON HATCHING NOT TO SCALE

ROAD STUD AT CROSS HATCHING NOT TO SCALE

NOTES :

1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROAD STUD SHALL BE MADE OF ALUMINIUM OR ALUMINIUM ALLOY. SIZE OF THE BASE SHALL BE NOT LESS THAN 100x100 MM. WITH 20-35 MM. HIGH. LENGTH OF THE SHANK SHALL BE NOT LESS THAN 50 MM. ROAD STUD SHALL WITHSTAND TO IMPACT LOAD WITHOUT DISTORTION OR CRACK.
3. REFLECTOR SHALL BE YELLOW OR WHITE REFLECTIVE BEADS WHICH MANUFACTURING EXCLUSIVELY FOR REFLECTOR. AMOUNT OF BEADS SHALL BE NOT LESS THAN 40 PER SIDE, EMBEDDED TO THE ROAD STUD.
4. THE PROCEDURES OF INSTALLATION
 - 4.1 THE HOLE SHALL BE DRILLED WIDER THAN DIAMETER OF THE SHANK ABOUT 3MM.
 - 4.2 MATERIALS IN THE HOLE SHALL BE REMOVED.
 - 4.3 EPOXY ADHESIVE SHALL BE APPLIED FULLY INTO THE HOLE.
 - 4.4 THE SHANK SHALL BE EMBEDDED INTO THE HOLE. THE ROAD STUD SHALL BE PRESSED UNTIL EPOXY ADHESIVE SHALL BE BLEEDED TO ADHERE BETWEEN PAVEMENT SURFACE AND ROAD STUD.
5. ROAD STUDS AT CENTER LINE OF ROADWAY SHALL BE BI-DIRECTIONAL TYPE OTHERS SHALL BE UNI-DIRECTIONAL TYPE.
6. ROAD STUDS SHALL BE INSTALLED BEFORE P.C. STATION OF CURVE AND AFTER P.T. STATION OF CURVE ABOUT 65 METERS.
7. INSTALLATION OF ROAD STUDS IN CURVE WITH RADIUS MORE THAN 320 METERS SHALL BE INSTALLED AS TANGENT INSTALLATION.

TABLE 1 INSTALLATION OF ROAD STUD ON TANGENT

TYPE OF LINE	COLOUR OF REFLECTOR	SPACING OF ROAD STUD (M.)		LOCATION
		RURAL	URBAN	
CENTER LINE				
SINGLE BROKEN LINE	YELLOW	24.00	12.00	BETWEEN BROKEN LINE
SINGLE SOLID LINE	YELLOW	12.00	4.00	ON SOLID LINE
DOUBLE SOLID LINE	YELLOW	12.00	4.00	BETWEEN DOUBLE SOLID LINES
FOR MULTI-LANE LANE LINE				
BROKEN LINE	WHITE	24.00	12.00	BETWEEN BROKEN LINE
SOLID LINE	WHITE	12.00	6.00	ON SOLID LINE
EDGE LINE				
INSIDE EDGE LINE	YELLOW	24.00	12.00	ON EDGE LINE
OUTSIDE EDGE LINE	WHITE	48.00	24.00	ON EDGE LINE

TABLE 2 INSTALLATION OF ROAD STUD IN CURVE

TYPE OF LINE	COLOUR OF REFLECTOR	SPACING OF ROAD STUD (M.)	LOCATION	
			BEHIND CURVE (100-300M. LESS THAN 100M.)	BEHIND CURVE (100-300M. LESS THAN 100M.)
BROKEN LINE	THE SAME	12.00	-	BETWEEN BROKEN LINE
SINGLE SOLID LINE	COLOUR AS THE LINE	12.00	4.00	ON SOLID LINE
DOUBLE SOLID LINE	COLOUR AS THE LINE	12.00	4.00	BETWEEN DOUBLE SOLID LINES
BROKEN LINE & SOLID LINE	THE SAME	12.00	4.00	BETWEEN THE LINES

KINGDOM OF THAILAND
 MINISTRY OF TRANSPORT AND COMMUNICATIONS
 DEPARTMENT OF HIGHWAYS
 STANDARD DRAWING
 ROAD STUD

DESIGNED : D.O.H. & CONSULTANTS
 SUBMITTED :
 CHECKED :
 DATE JULY 1994
 SCALE NONE
 DWG. NO. RS-601
 SHEET NO. 46