



MOUNTING HEIGHT	ARM LENGTH	MIN. WIDTH 'W'	BOLT DIA.	BOLT CIRCLE
LESS THAN 40'	LESS THAN 30'	13"	1"	13 1/2"
	30'	15"	1 1/4"	15"
40'	LESS THAN 30'	13"	1"	13 1/2"
	25' - 30'	15"	1 1/4"	15"
50'	LESS THAN 10'	13"	1"	13 1/2"
	10' - 20'	15"	1 1/4"	15"

BREAKAWAY TRANSFORMER BASE SHALL BE USED WHEN LIGHTING STRUCTURE IS NOT PROTECTED FROM TRAFFIC AND SHALL BE CERTIFIED BY FHWA AS MEETING THE CRASHWORTHINESS CRITERIA OF NCHRP REPORT 350

NOTES:

1. THE CONTACT AREA BETWEEN THE TRANSFORMER BASE AND CONCRETE FOUNDATION SHALL BE SHOP COATED WITH COAL TAR EPOXY BITUMASTIC 300 M. OR EQUAL, MEETING SSPC-PAINT 16 SPECIFICATIONS. THE THICKNESS OF THE COATING SHALL BE BETWEEN 6 AND 8 MILS. THE COATING SHALL BE COMPLETELY DRY BEFORE INSTALLATION. THE TOP OF THE FOUNDATION SHALL NOT BE PAINTED.
2. TOP AND BOTTOM OF BASE MAY BE SLOTTED FOR BOLT CIRCLE. SLOT MUST ACCOMMODATE DIMENSION SHOWN.

SPECIFICATION 821	CATEGORY CODE ITEMS
APPROVED 	DIRECTOR - OFFICE OF TRAFFIC AND SAFETY
	APPROVAL • SHA REVISIONS
	APPROVAL • FEDERAL HIGHWAY ADMINISTRATION
	APPROVAL 7-1-94
	REVISD 5-17-07
	REVISD

**Maryland Department of Transportation
STATE HIGHWAY ADMINISTRATION**

STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES

**BREAKAWAY TRANSFORMER BASE
FOR LIGHTING STRUCTURE**

STANDARD NO.

MD 821.02