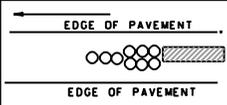
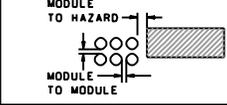
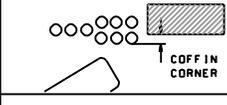
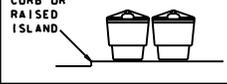
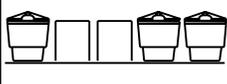
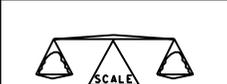
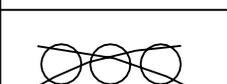


SITE CONDITIONS AND RECOMMENDATIONS

CONDITIONS	FHWA RECOMMENDATIONS	MANUFACTURER RECOMMENDATIONS	SAMPLE
1. ANGLE OF ARRAY IN RELATION TO CENTER LINE OF OBSTACLE	NOT RECOMMENDED FOR MORE THAN 10°	SAME AS FHWA	
2. BIDIRECTIONAL TRAFFIC	OFFSET ARRAY TO AVOID IMPACT TO THE REAR MODULE FROM WRONG-WAY VEHICLES	SAME AS FHWA	
3. MODULE SPACING: MODULE TO HAZARD MODULE TO MODULE	1' TO 2' NONE GIVEN	6" MINIMUM LENGTH 6" WIDTH	
4. "COFFIN" CORNER	SHIELD 30" OUTSIDE OF HAZARD	SAME AS FHWA	
5. CURBS AND RAISED ISLANDS OR PALLETS FOR TEMPORARY SITES	NO MORE THAN 4" HIGH	SAME AS FHWA	
6. INTERMIXING OF BRANDS OF MODULES	APPROVED - AS LONG AS MODULES ARE FEDERALLY APPROVED AND ARRAY MEETS DESIGN CRITERIA.	SAME AS FHWA	
7. MAINTENANCE	KEEP SITE CLEAR OF DEBRIS AND SNOW	SAME AS FHWA	
8. SAND DENSITIES	100 LBS/CF	DETERMINE IN THE FIELD	
9. SINGLE ROWS OF MODULES	NOT RECOMMENDED	SAME AS FHWA	

SPECIFICATION 104 & 606 CATEGORY CODE ITEMS

APPROVED *Kirk G. McCall*  
DIRECTOR - OFFICE OF HIGHWAY DEVELOPMENT



APPROVAL • SHA REVISIONS	APPROVAL • FEDERAL HIGHWAY ADMINISTRATION
APPROVAL 8-12-02	APPROVAL 9-4-02
REVISED	REVISED
REVISED	REVISED
REVISED	REVISED

**Maryland Department of Transportation**  
**STATE HIGHWAY ADMINISTRATION**  
STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES  
**CRASH CUSHION**  
**SAND FILLED PLASTIC BARRELS**  
**(TEMPORARY OR PERMANENT)**

**STANDARD NO. MD 106.03**