

INTENDED USE: TO BE USED WHEN OFFSET TO OBJECT IS LESS THAN 910 MM.

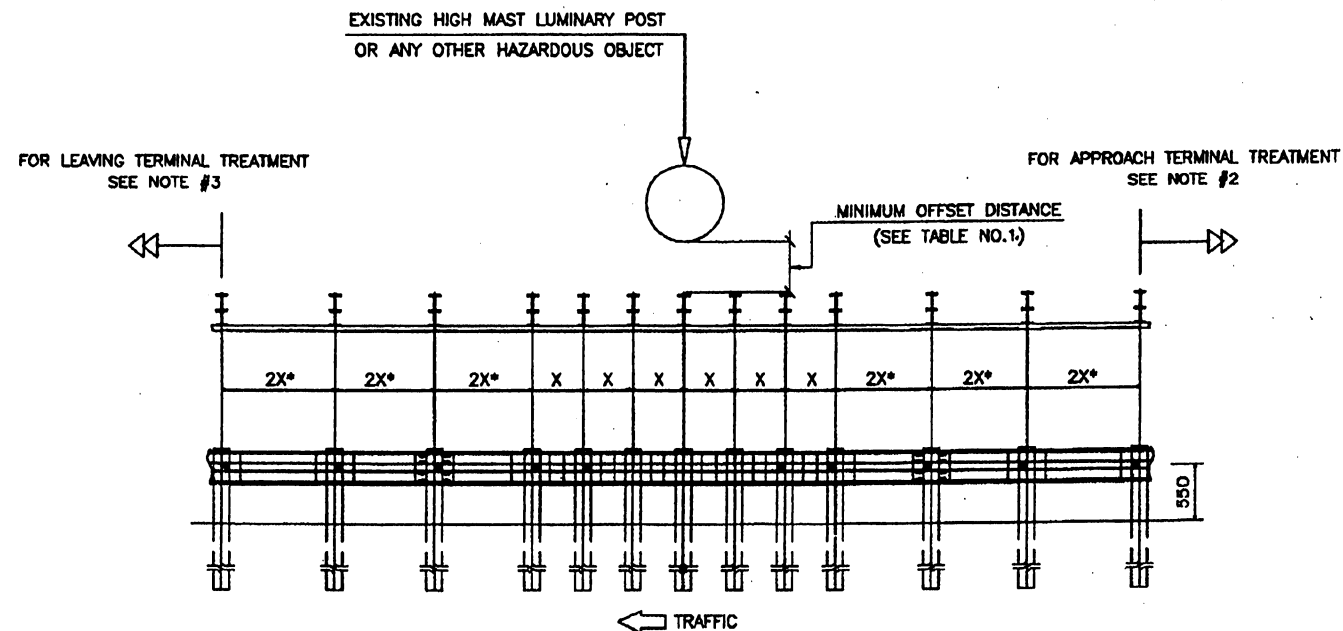


TABLE NO. 1

POST SPACING (MM) (X)	BEAM DESCRIPTION	MINIMUM OFFSET DISTANCE*** (MM)
1905**	SINGLE W-BEAM	910
952	SINGLE W-BEAM	700
952	DOUBLE W-BEAM (NESTED)****	600
476	DOUBLE W-BEAM (NESTED)****	500

\*\* NORMAL INSTALLATION SPACING.  
 \*\*\* OFFSET DISTANCE SHALL BE MEASURED FROM NEAREST FACE OF OBJECT TO THE BACK OF THE GUARD RAIL POST.  
 \*\*\*\* THE LENGTH OF DOUBLE W-BEAM (NESTED) SHALL BE EQUAL TO THE TOTAL LENGTH OF THE REDUCED POST SPACING.

**NOTES:**

- (\*) IF THE MINIMUM OFFSET IS EQUAL TO OR GRATER THAN 910 MM, USE THE VALUE OF X INSTEAD OF 2X.
- IF THERE IS NO ADJACENT METAL BARRIER, THE CONTRACTOR SHALL INSTALL AN APPROACH TERMINAL (MA OR MB) AS DESCRIBED IN THE STANDARD DRAWINGS. OTHERWISE, FOR EXISTING BOX BEAM, THE CONTRACTOR SHALL INSTALL A TRANSITION FROM W-BEAM TO BOX BEAM OR, FOR GUARD RAIL, INSTALL THE STANDARD METAL BARRIER INSTALLATION.
- FOR DIVIDED HIGHWAYS:**  
 IF THERE IS NO ADJACENT METAL BARRIER, THE CONTRACTOR SHALL INSTALL A LEAVING TERMINAL (MC) AS DESCRIBED IN THE STANDARD DRAWINGS. OTHERWISE, FOR EXISTING BOX BEAM, THE CONTRACTOR SHALL INSTALL A TRANSITION FROM W BEAM TO BOX BEAM OR, FOR GUARD RAIL, INSTALL THE STANDARD METAL BARRIER.
- FOR UNDIVIDED HIGHWAYS:**  
 IF THERE IS NO ADJACENT METAL BARRIER, THE CONTRACTOR SHALL INSTALL AN APPROACH TERMINALS (MA OR MB) AS DESCRIBED IN THE STANDARD DRAWINGS INSTEAD OF A LEAVING TERMINAL. OTHERWISE, FOR EXISTING BOX BEAM, THE CONTRACTOR SHALL INSTALL A TRANSITION FROM W BEAM TO BOX BEAM OR, FOR GUARD RAIL, INSTALL THE STANDARD METAL BARRIER.
- ALL THE W-BEAM HARDWARE, TRANSITION FROM BOX BEAM TO W-BEAM AND TERMINALS SHALL BE IN STRICT CONFORMANCE WITH THE STANDARD DRAWINGS AND THE STANDARD SPECIFICATIONS AND SHALL BE A SUBSIDIARY OBLIGATION UNDER THE GUARD RAIL ITEM.
- ALL NECESSARY ADDITIONAL POSTS AND NESTED W-BEAMS SHALL BE A SUBSIDIARY OBLIGATION UNDER THE GUARD RAIL ITEM.

EFFECTIVE DATE: MAY 1998

COMMONWEALTH OF PUERTO RICO DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS HIGHWAY AND TRANSPORTATION AUTHORITY											
<b>METAL BARRIER</b>  REDUCED POST SPACING	RECOMMENDED BY: <i>[Signature]</i> DATE: 2-2-98	DESIGN AREA DIRECTOR DATE: 2-2-98									
	APPROVED BY: <i>[Signature]</i> EXECUTIVE DIRECTOR DATE: 2-5-98	APPROVED BY: <i>[Signature]</i> DIV. ADM. FHWA-BR DIVISION DATE: 5-2-98									
<table border="1" style="width: 100%;"> <thead> <tr> <th>DATE</th> <th>REVISION</th> <th>BY</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	DATE	REVISION	BY							STD. MB DWG. 16 OF 28	
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