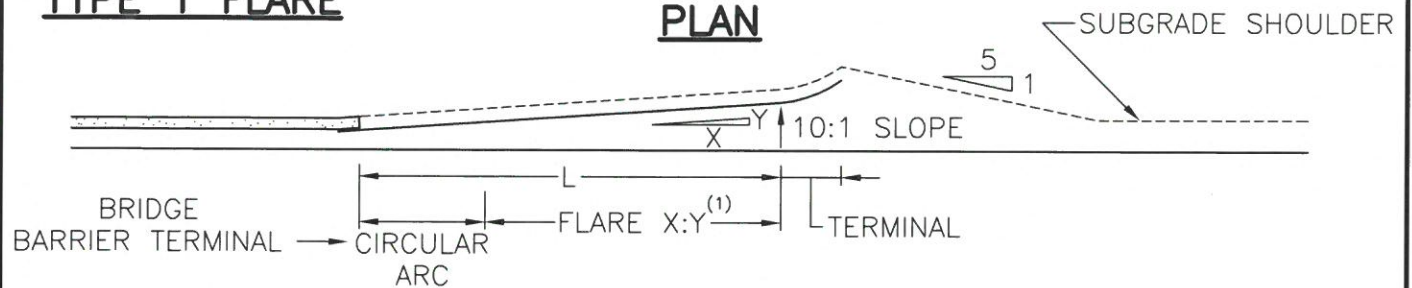
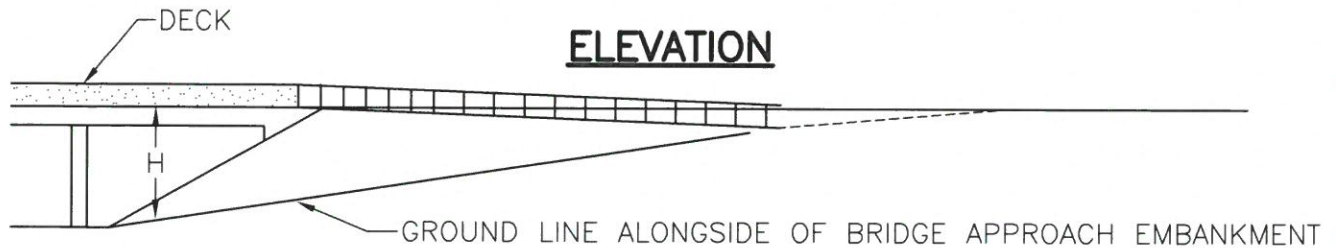


TYPE 1 FLARE

PLAN



ELEVATION



H = DROP FROM BRIDGE DECK TO GROUND BESIDE THE BRIDGE AT MID-POINT OF END SPAN (OR MIDDLE OF SINGLE SPAN BRIDGE)

L = LENGTH OF APPROACH GUARDRAIL, NOT INCLUDING THE TERMINAL, MEASURED FROM END OF THE BRIDGE BARRIER.
(USE MULTIPLES OF LENGTH OF BEAM ELEMENT)

LENGTH OF CIRCULAR ARC = 10 m, R = 150 m FOR X:Y = 15:1

R = 250 m FOR X:Y = 25:1

(1) DEFINES THE RATE OF DIVERGENCE OF THE BARRIER FROM THE EDGE OF THE ROADWAY.

USE 15:1 ON TANGENT AND INSIDE OF CURVES

USE 25:1 ON OUTSIDE OF CURVES

H (m)	L (m) *	STANDARD LENGTHS REQUIRED **			
		BOX BEAM AT 5.474 m		W - BEAM AT 4.12 m	
		BRIDGE BARRIER		BRIDGE BARRIER	
		TYPE 1 OR 2	TYPE 3	TYPE 1 OR 2	TYPE 3
UP TO 4.0	10	3	2	4	3
5.0	15	4	3	5	4
6.0	20	4	4	6	6
8.0	25	5	5	7	7
≥ 9.0	30	6	6	9	8

* TERMINAL SECTION SHOULD LIE OUTSIDE THE SHOULDER. INCREASE L AS NECESSARY TO MEET THIS REQUIREMENT.

** DOES NOT INCLUDE TERMINAL SECTIONS.



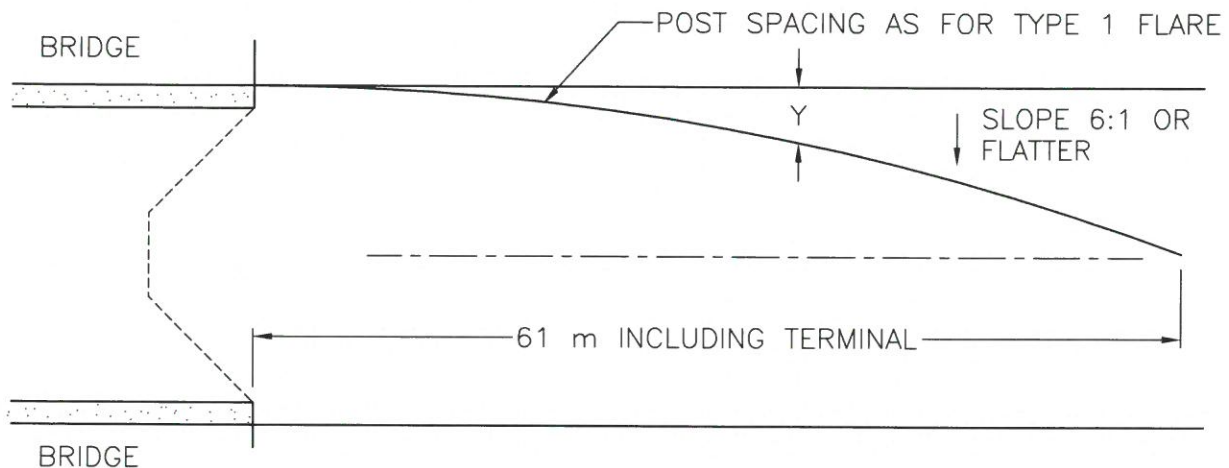
SEMI-RIGID SAFETY BARRIERS LAYOUT ON BRIDGE APPROACHES

RECOMMENDED BY		DIRECTOR DESIGN & TRAFFIC ENG	DATE	2016-03-21	STANDARD PLAN NO	28730
APPROVED BY		EXECUTIVE DIRECTOR TECHNICAL STANDARDS BRANCH	DATE	May 5/16	SHEET	1 OF 2

ACAD DWG: SKS28730-1
LAST REV DATE: 16/01/29

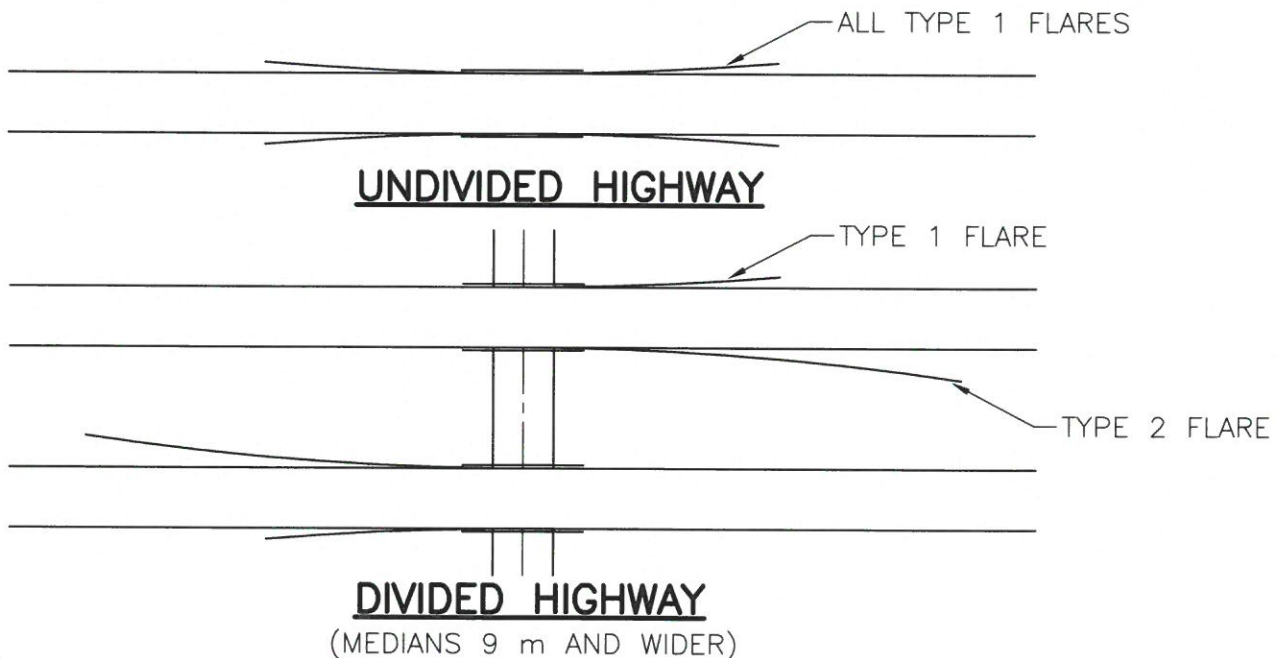
TYPE 2 FLARE

APPLICATIONS



- $Y=0.0016 X^2$, where x is distance from bridge abutment measured on the parabolic curve.
- For use on any bridge approach moving a hazardous median opening.
- Medians less than 9 m wide will require a special design.

GUARDRAIL TYPE	POST SPACING		TERMINAL
W-BEAM / WOOD POST	6 AT 0.955 m	1.91 m	STANDARD W-BEAM COLLAPSIBLE TERMINAL
BOX BEAM / STEEL POST	SEE SP28720	1.83 m	



NOTES:

1. For additional information please refer to SKS 3.1.6-A.
2. Diagrams are not to scale.



SEMI-RIGID SAFETY BARRIERS LAYOUT ON BRIDGE APPROACHES

RECOMMENDED BY		DIRECTOR DESIGN & TRAFFIC ENG	DATE	2016-03-21	STANDARD PLAN NO	28730
APPROVED BY		EXECUTIVE DIRECTOR TECHNICAL STANDARDS BRANCH	DATE	May 5/16	SHEET	2 OF 2