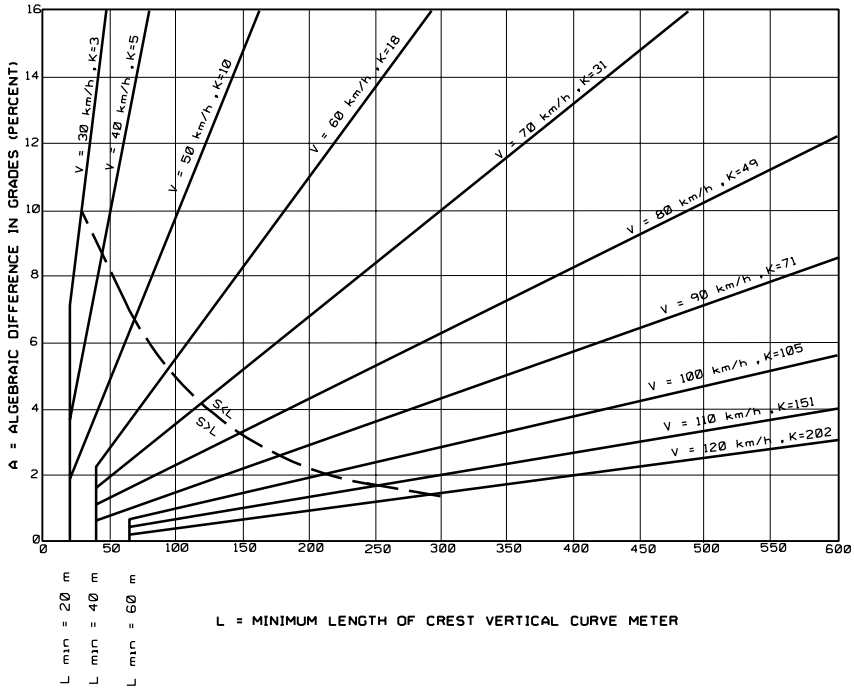
DESIGN CONTROLS FOR CREST VERTICAL CURVES, FOR MINIMUM STOPPING SIGHT DISTANCE AND OPEN ROAD CONDITIONS.



DESIGN CONTROLS FOR CREST VERTICAL CURVES BASED ON PASSING SIGHT DISTANCE.

DESIGN SPEED km/h	MINIMUM PASSING SIGHT DISTANCE (m)	K (DESIREABLE)
30	220	50
40	285	90
50	345	130
60	410	180
70	485	250
80	545	310
90	605	390
100	670	480
110	730	570
120	795	670

V = DESIGN SPEED - km/h

S = MIN. STOPPING SIGHT DISTANCE - METER

K = CONSTANT

FORMULA L = KA

ALL DIMENSIONS ARE SHOWN IN METERS (m) UNLESS OTHERWISE NOTED.

NO.	DATE	APPR	REMARKS
1	06/27/96	B.A.	ADD DIMENSION NOTE

REVISIONS

UTAH DEPARTMENT OF TRANSPORTATION
STANDARD DRAWINGS FOR ROAD AND BRIDGE CONSTRUCTION
SALT LAKE CITY, UTAH

RECOMMENDED FOR APPROVAL: APRIL 27, 1999 DATE

CHAIRMAN STANDARDS COMMITTEE

APPROVED: APR 27, 1999 DATE

DEPUTY DIRECTOR

(METRIC)

DESIGN CONTROL FOR CREST VERTICAL CURVES

STANDARD DRAWING TITLE

STD. DWG. NO.
805-2