



TYPICAL EXAMPLE

DESIGN SPEED 60 MPH PASSENGER, INTERMODAL AND TRIPLE CROWN TRAINS
50 MPH FREIGHT TRAINS

HORIZONTAL ALIGNMENT
GIVEN DEGREE OF CURVATURE = 2° 30'
LENGTH OF SPIRAL = 248' MIN. (FROM PLAN 7-2)
SUPERELEVATION = 4"
MINIMUM TANGENT DISTANCE BETWEEN REVERSE CURVES = 220'

VERTICAL ALIGNMENT
MAXIMUM GRADE = 1%
ALLOWABLE RATE OF CHANGE FOR VERTICAL CURVES
R = 0.05 FOR SAG R = 0.10 FOR CREST

NOTE:
ABOVE DATA IS TYPICAL EXAMPLE, SPECIFIC DESIGN MAY VARY DEPENDING ON TIMETABLE SPEED, RULING GRADES AND LOCAL OPERATING CONDITIONS.

SEE PLAN 7-2 DATED MARCH, 1991 FOR SUPERELEVATION CHART.

SCALE: NTS

DO NOT SCALE THIS DRAWING FOR DIMENSIONS NOT GIVEN

NS NORFOLK SOUTHERN
NORFOLK SOUTHERN CORPORATION
OPERATING DIVISION
OFFICE OF THE CHIEF ENGINEER - DESIGN AND CONSTRUCTION - ATLANTA, GA

R-4	EC	10-2-97	GENERAL REVISION
R-3	GRE	7-21-92	GENERAL REVISION
R-2	GRE	5-10-91	REVISED SPIRALS DUE TO CHANGE IN SUPER
R-1	GRE	6-4-90	GENERAL
REV	BY	DATE	DESCRIPTION
LOCATION			ATLANTA, GEORGIA
TITLE			TYPICAL EXAMPLE HORIZONTAL ALIGNMENT PARALLEL DETOUR TRACK
DGN	GRE	VAL SEC	NA
DWN	GRE	FILE	164-9
CHK	DATE	1-2-88	DRAWING NUMBER
CADD FILE: FIELD BOOK: VI*			TD-88-0001 R4
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