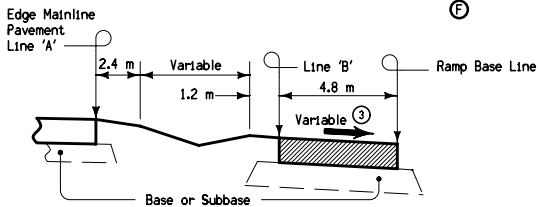


NOTE: The algebraic difference between profile grade for Ramp Base Line at (F) and relative profile grade of Mainline at (H) is 0.54%.

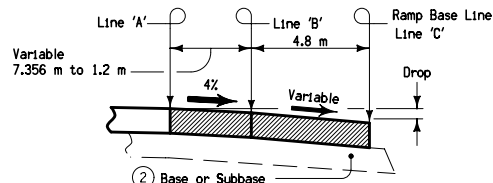
PROFILE

TABLE OF OFFSETS AND DROPS FOR 4.8 m RAMP TAPER

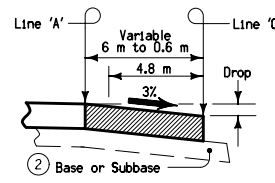
Distance From Point (E) Along Line A (m)																				
	80	70	60	50	40	30	20	10	0	10	20	50	100	150	200	250	300			
From Line 'A' To Line 'B'	Offset (m)	7.356	6.083	4.955	3.971	3.131	2.435	1.880	1.469	1.200										
	Slope (%)	Constant 4.00% Slope																		
	Drop (mm)	294	243	198	159	125	97	75	59	44										
From Line 'B' To Line 'C'	Offset (m)	Constant 4.8 m Offset																		
	Slope (%)	5.20	5.20	5.20	5.20	5.20	5.20	5.10	4.44	3.64										
	Drop (mm)	250	250	250	250	250	250	245	213	175										
From Line 'A' To Line 'C'	Offset (m)									6.000	5.800	5.600	5.000	4.000	3.000	2.000	1.000	0.000		
	Slope (%)									3.64	3.07	3.00	Constant 3.00%							
	Drop (mm)	544	493	448	409	375	347	320	272	219	178	168	150	120	90	60	30	0		
Distance From Point (G) Along Line C (m)	79.638	69.626	59.631	49.651	39.684	29.728	19.780	9.840	0.000											



SECTION A-A



SECTION B-B



SECTION C-C

Ramp entrance pavement shall be the same thickness as mainline pavement.

Ramp entrance pavement shown by shaded area is 1345 square meters.

Special shaping of area between lines A and B may be required to assure proper drainage.

For jointing layout, see Standard Road Plan RV-10.

This design is based on 100 km/h design speed at e max = 6%.

- For header construction details at the beginning of taper, refer to Typical 7101 or Typical 7102.
- Subbase for ramp entrance pavement shall be the same thickness as mainline subbase.
- The ramp pavement cross slope between (J) and (F) is determined by superelevation rotated about line C. Refer to Standard Road Plan RP-3 and plans for superelevation transition requirements.

W <sub>0</sub>	Shoulder Width beyond Edge of Mainline Pavement		
	2.4m	3m	3.6m
3.6m	NA	60m	90m
4.2m	30m	60m	NA

NOTE: W<sub>0</sub> is the width of the outside lane to the Edge of Pavement.

All dimensions given in millimeters unless noted.

<b>M</b> <b>METRIC VERSION</b>		REVISION 5 [04-21-09]
		<b>STANDARD ROAD PLAN</b>
		<b>RV-5</b>
		SHEET 1 of 1
		REVISIONS: Corrected circle note 2. Removed mainline pavement and shoulder widths. Added table for shoulder transition distance. (Metrics Re-instated.) <i>Deanna Mifflin</i> APPROVED BY DESIGN METHOD'S ENGINEER
<b>ACCELERATION TAPER FOR 4.8 m ENTRANCE RAMP</b>		