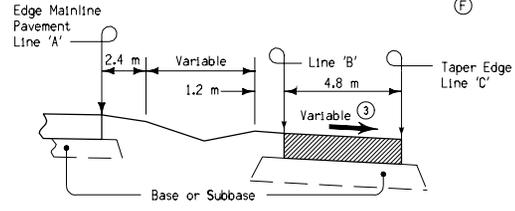


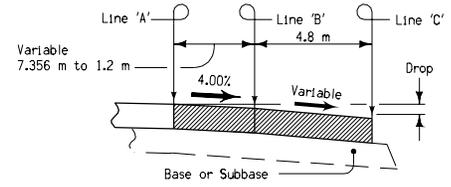
NOTE: The algebraic difference between profile grade for Ramp Base Line at (F) and relative profile grade of Mainline at (H) is 0.54%.

PROFILE

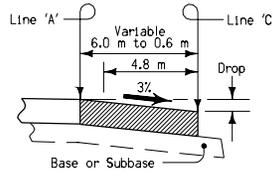
		TABLE OF OFFSETS AND DROPS FOR 4.8 m RAMP TAPER																		
		Distance From Point (E) Along Line A (m)																		
		80	70	60	50	40	30	20	10	0	10	20	50	100	150	200	250	300		
From Line A To Line B	Offset (m)	7.356	6.083	4.955	3.971	3.131	2.435	1.880	1.469	1.200										
	Slope (%)	Constant 4.00% Slope										3.64								
	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

GENERAL NOTES:

This detail sheet shows ramp alignment and grade data for the ramp entrance pavement.

Ramp entrance pavement shall be the same thickness as the mainline pavement. Ramp entrance subbase for both HMA and PCC pavement shall be the same thickness as the mainline subbase.

Ramp entrance pavement area shown by shaded area is 1663 square meters.

In order to assure proper drainage, any special shaping of entrance area between lines A and B shall be accomplished by methods approved by the Engineer.

Refer to Detail Sheet 550-5 for jointing layout.

Refer to typical cross sections and appropriate Standard Road Plans for design details and requirements for shoulders.

- ① For header construction details of the beginning of taper, refer to the appropriate Typical 7101 or 7102.
- ② Refer to detail project plans for ramp alignment, grade, profile and superelevation data.
- ③ The ramp pavement cross slope between point ① and point ⑤ is determined by superelevation rotated about line "C". Refer to Standard Road Plan RP-3 and the project plans for superelevation transition requirements.

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

For location equivalent stations see Tabulation [101-15]

All dimensions given in millimeters unless noted.

<b>M</b>		
	<b>STANDARD ROAD PLAN</b>	
	<b>RV-5</b>	
	REVISION: Revise Note 1.	REVISION NO. 2
	 APPROVED BY DESIGN METHODS ENGINEER	
<b>ACCELERATION TAPER FOR 4.8 m ENTRANCE RAMP</b>		
REVISION DATE 04-30-02		