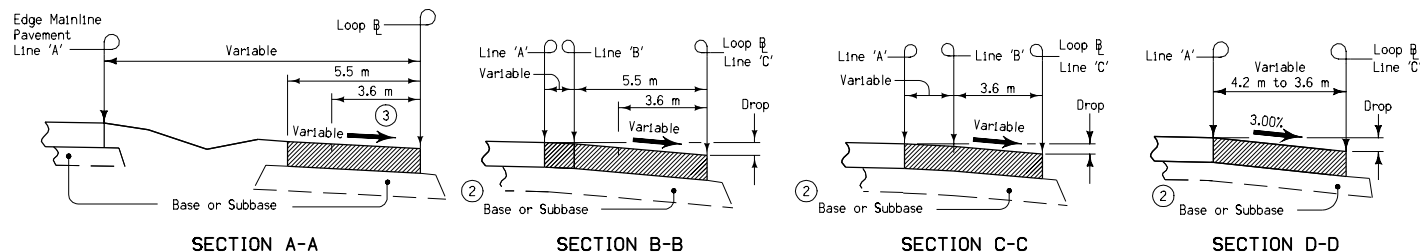


NOTE: The algebraic difference between profile grade for Loop B at (F) and relative profile of Mainline at (H) is 0.38%.

PROFILE

TABLE OF OFFSETS AND DROPS FOR 5.5 m LOOP ENTRANCE													
Distance From Point (E) Along Line 'A' (m)	140	130	120	110	100	90	80	70	60	50	40	30	20
Offset (m)	6.257	5.130	4.088	3.129	2.255	1.464	0.757						
Slope (%)	3.00	3.00	3.00	3.00	3.00	3.00	3.00						
Drop (mm)	188	154	123	94	68	44	23						
Offset (m)	5.5	5.5	5.5	5.5	5.5	5.5	5.5						
Slope (%)	4.00	4.00	4.00	4.00	4.00	4.00	3.64						
Drop (mm)	220	220	220	220	220	220	200						
Offset (m)								5.643	5.101	4.642	4.267	3.975	3.767
Slope (%)								3.21	3.00	3.00	3.00	3.00	3.00
Drop (mm)								181	153	139	128	119	113
Distance From Point (G) Along Line 'C' (m)	139.676	129.659	119.651	109.651	99.658	89.673	79.694	70.040	60.025	50.014	40.007	30.003	20.001

NOTE: From (G) to (P) cross slope between Line A and Line C is a constant 3%.



Loop entrance pavement shall be the same thickness as mainline pavement.
 Loop entrance pavement shown by shaded area is 1130 square meters.
 Special shaping of area between lines A and B may be required to assure proper drainage.

- For header construction details at the beginning of taper, refer to the appropriate Typical 7101 or 7102.
- Loop entrance subbase shall be the same thickness as mainline subbase.
- The loop 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.

For jointing layout, see Standard Road Plan RV-11.

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

For location equivalent stations, see Tabulation 101-15. Equate Point 'G' (Loop Stationing) to Point 'E' (ML Stationing).

All dimensions given in millimeters unless noted.

M METRIC VERSION		
	STANDARD ROAD PLAN	
	RV-9	
	REVISION: Change Detail Sheet 550-6 to Standard Road Plan RV-11.	REVISION NO. 4
	APPROVED BY: <i>William J. Sten</i> DESIGN METHODS ENGINEER	REVISION DATE 04-19-05
ACCELERATION TAPER FOR 5.5 m ENTRANCE LOOP		