

Construct Loop exit pavement the same thickness as mainline pavement.

Loop exit pavement shown by shaded area is 1334 square yards.

For joint details, see PV-1

- ① For header construction details at the beginning of taper, see Typical 7101 or Typical 7102.
- ② Construct subbase for ramp exit pavement the same thickness as mainline subbase.

TABLE OF OFFSETS AND DROPS FOR 18' LOOP TAPER

DISTANCE (FL)	600	575	550	525	500	475	450	425	400	375	350	325	300	275	250	225	200	175	150	125	100	75	50	25	0
OFFSET (FL)	0	1.67	3.33	5.00	6.67	8.33	10.00	11.67	13.33	15.00	16.67	18.33	20.00	21.67	23.33	25.00	26.67	28.33	30.00	31.67	33.33	35.00	36.67	38.33	40.00
DROP (FL)	0	0.05	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95	1.00	1.05	1.10	1.15	1.20

NOTE: The elevations at edge of taper from BEGIN TAPER to POINT 'M' are established by a constant 3% slope across the appropriate taper widths based on the Taper Ratio of 15:1, Drop = (0.03) x (Offset).

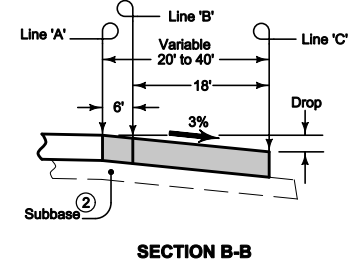
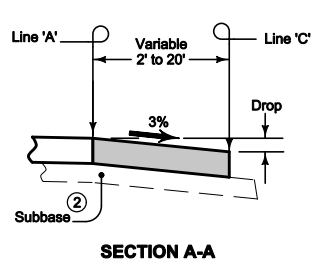


TABLE OF SHOULDER TRANSITION LENGTHS

W ₀	Shoulder Width beyond Edge of Mainline Pavement		
	8'	10'	12'
12'	NA	60'	90'
14'	30'	60'	NA

NOTE: W₀ is the width of the outside lane to the Edge of Pavement.

STANDARD ROAD PLAN

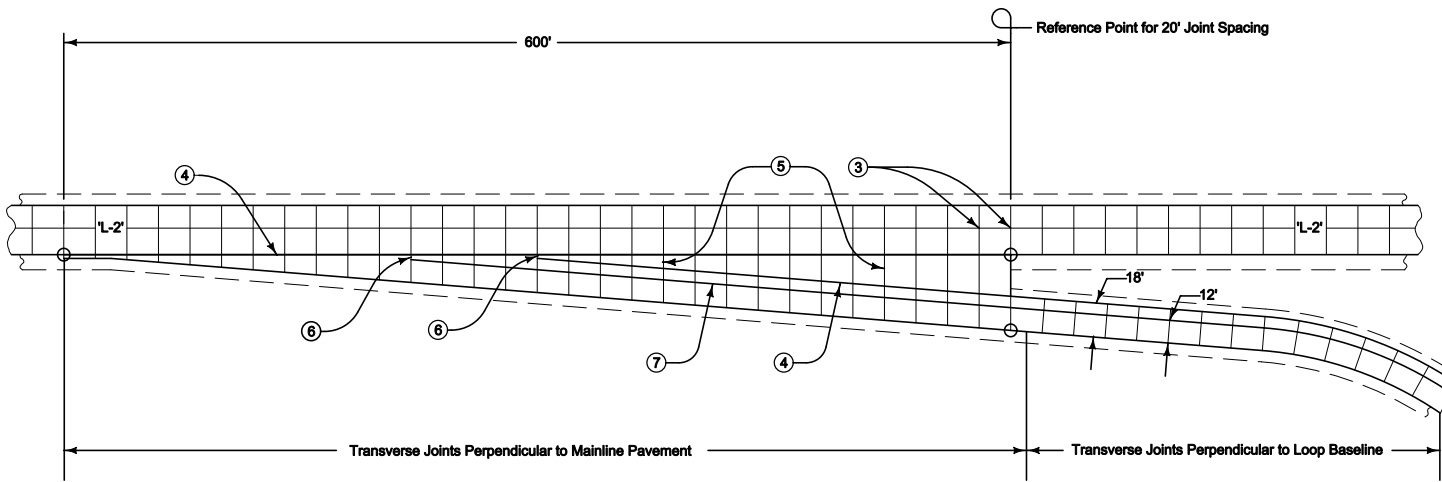
REVISIONS: New. Replaces RV-9 and RV-11. Modified length and pavement area.

Deanna McFalls
APPROVED BY DESIGN METHODS ENGINEER


REVISION	New	04-20-10
PV-412		
SHEET 1 of 2		

DECELERATION TAPER

FOR 18' EXIT LOOP



18' EXIT LOOP

 Iowa Department of Transportation	REVISION	
	New	04-20-10
STANDARD ROAD PLAN	PV-412	
	SHEET 2 of 2	
REVISIONS: New. Replaces RV-9 and RV-11. Modified length and pavement area.		
<i>Deanna McFalls</i> APPROVED BY DESIGN METHODS ENGINEER		
DECCELERATION TAPER FOR 18' EXIT LOOP		