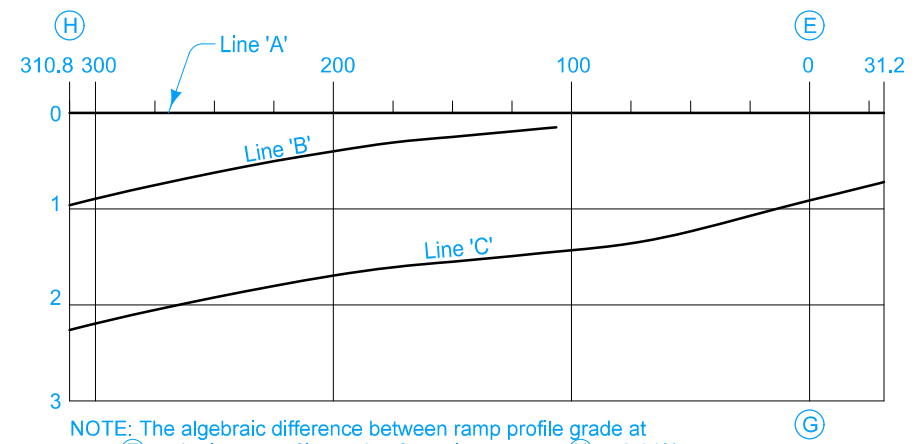
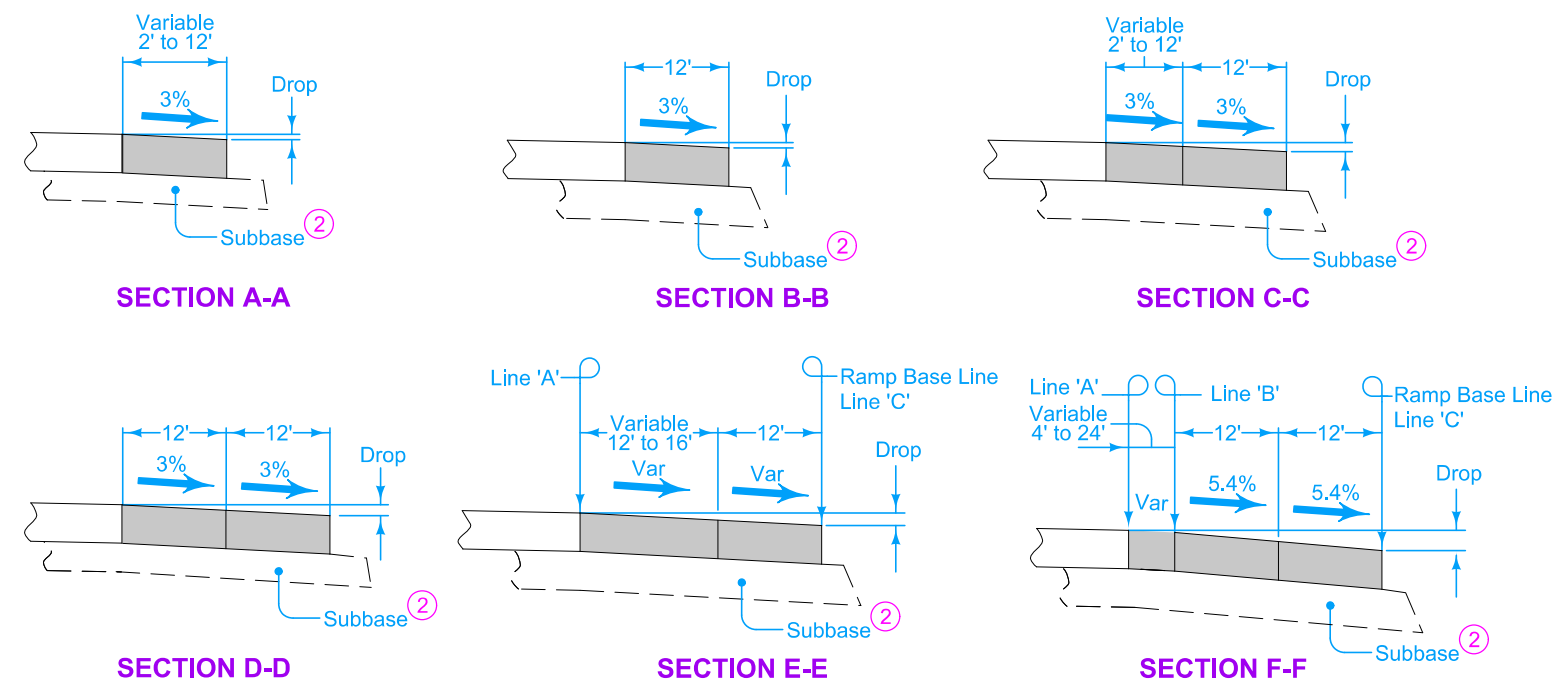


Pt. 'G' to Pt. 'J'
$\Delta = 09^\circ 31' 13.98''$
$T = 166.55'$
$L = 332.33'$
$E = 6.92'$
$R = 2000.00'$



NOTE: The algebraic difference between ramp profile grade at point (F) and relative profile grade of mainline at point (H) is 0.61%

DISTANCE FROM POINT (E) ALONG LINE 'A' (Ft.)	310.8	300	275	250	225	200	175	150	125	106.4	100	75	58.4	50	25	0	25	28		
From Line 'A' To Line 'B'	OFFSET (Ft.)	24.00	22.36	18.77	15.50	12.55	9.91	7.58	5.57	3.86	2.80									
	SLOPE (%)	Constant 4.0% Slope										4.51	5.02	5.40						
	DROP (Ft.)	0.96	0.89	0.75	0.62	0.50	0.40	0.30	0.25	0.19	0.15									
From Line 'B' To Line 'C'	OFFSET (Ft.)	Constant 24' Offset																		
	SLOPE (%)	Constant 5.4% Slope																		
	DROP (Ft.)	Constant 1.30' Drop																		
From Line 'A' To Line 'C'	OFFSET (Ft.)										26.50	25.41	24.85	24.63	24.16	24.00	24.00	24.00		
	SLOPE (%)										5.40	5.40	5.40	5.17	4.47	3.78	3.09	3.00		
	DROP (Ft.)	2.26	2.19	2.05	1.92	1.80	1.69	1.60	1.55	1.49	1.45	1.43	1.37	1.34	1.27	1.08	0.91	0.74	0.72	
DISTANCE FROM POINT (G) ALONG LINE 'C' (Ft.)	308.30	297.54	272.58	247.67	202.79	197.95	173.14	148.36	123.60	105.21	100.04	75.02	58.41	50.01	25.00	0.00				

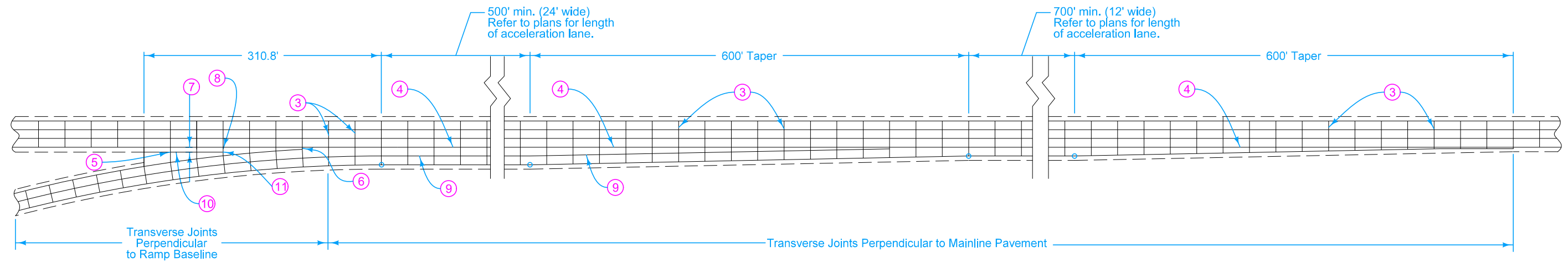


- Construct ramp entrance pavement the same thickness as mainline pavement.
- For joint detail, see PV-101.
- ① For header construction detail at the end of taper See Typical 7101 or Typical 7102.
- ② Construct subbase for ramp entrance pavement the same thickness as mainline subbase.

W _o	Shoulder Width beyond Edge of Mainline Pavement		
	8'	10'	12'
12'	NA	200'	300'

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

 STANDARD ROAD PLAN	REVISION
	NEW 4-21-26
	PV-405
SHEET 1 of 2	
REVISIONS: Replaces detail 533-05	
 APPROVED BY DESIGN METHODS ENGINEER	
PARALLEL ACCELERATION TAPER FOR 24' RAMP (60 MPH DESIGN SPEED)	



- ③ 'CD' Joints at 17' spacing.
- ④ 'BT-2' Joint.
- ⑤ 'C' Joint.
- ⑥ 'B' Joint. 2' minimum, 4' maximum.
- ⑦ 10' minimum or equal to mainline shoulder width.
- ⑧ Construct transverse joints through the gore perpendicular to mainline pavement.
- ⑨ 'L-2' Joint.
- ⑩ 'C' Joint parallel to mainline pavement.
- ⑪ 'B' or 'C' Joint. 2' minimum, 4' maximum.

	REVISION	
	NEW	4-21-26
STANDARD ROAD PLAN		PV-405
		SHEET 2 of 2
REVISIONS: Replaces detail 533-05		
APPROVED BY DESIGN METHODS ENGINEER		
PARALLEL ACCELERATION TAPER FOR 24' RAMP (60 MPH DESIGN SPEED)		