

Refer to specific curve data contained in project plans for tangent runout length (x), runoff length (L) and full superelevation (e).

When spiral curve transitions are not required: Place 70% of full superelevation at the PC and PT. Place 30% of the runoff length within the curve.

Unless otherwise specified, all lengths are measured along the centerline of construction.

Superelevations on this standard are shown for curves to the right. Curves to the left are a mirror image of what is shown.

Smooth curves should be established at the time of construction at sections A-F along the profile edges of lines A-D.

Axis of rotation coincides with profile grade location. m = 30% of Runoff Length (L)

- W = 48' Regardless of Pavement Width
- 9 = Normal Cross Slope (2.5%)
- L = Distance to Change Cross Slope from 0% to e
- e = Superelevation Rate
- × = Distance to Change Cross Slope from 0% to 2.5%
- s = Normal Shoulder Slope

(1) Spiral curve length coincides with runoff length (L)

Possible Tabulation: 101-18



REVISIONS:

Corrected spelling



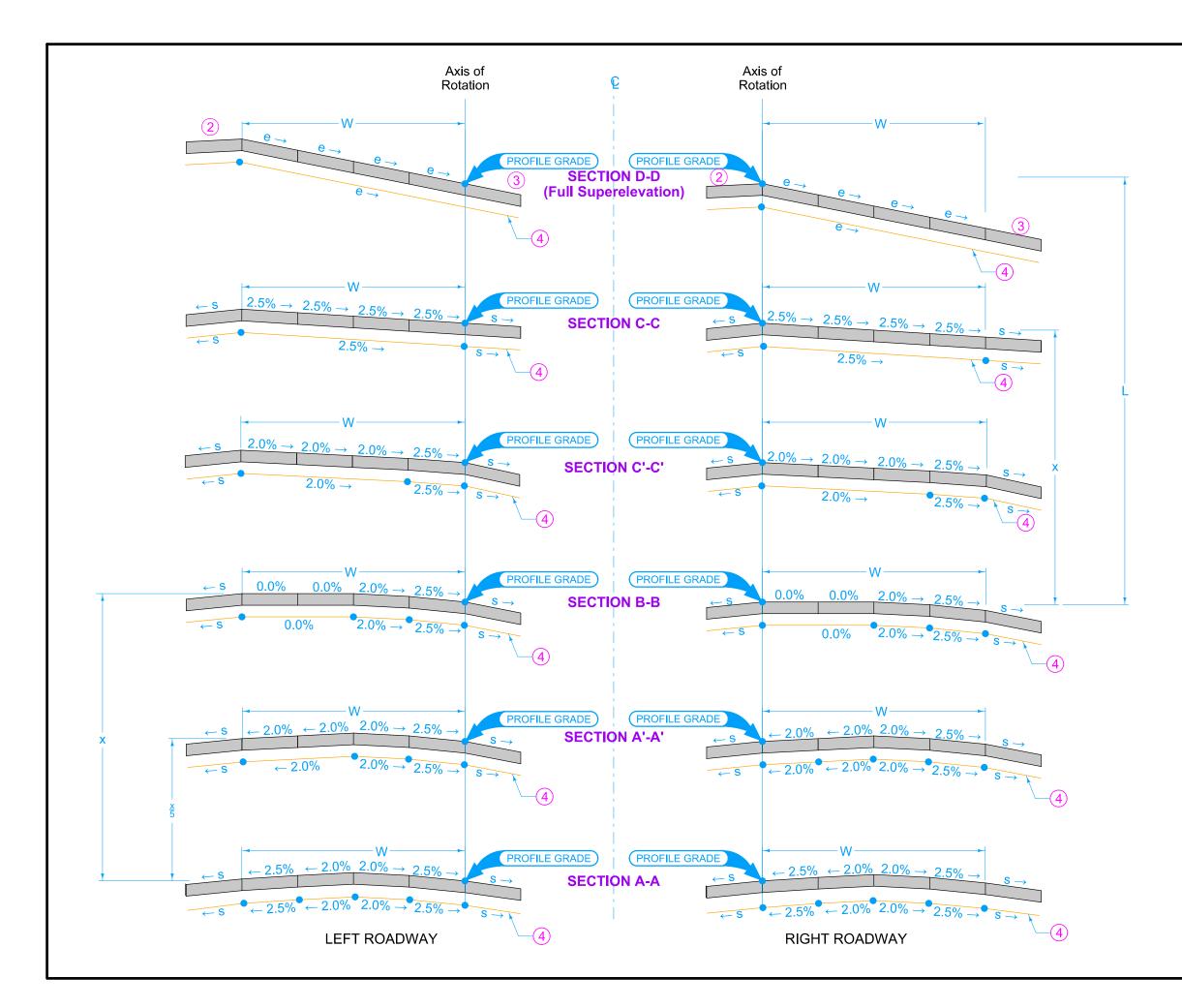
REVISION

PV-307

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SUPERELEVATION DETAILS EIGHT LANE ROADWAY DEPRESSED MEDIAN



- 2 High Side Shoulder: Maintain normal shoulder cross slope(s), until the cross slope break with the adjacent pavement reaches 8.0%. Maintain 8% breakover until superelevation rate reaches 7%. If superelevation rate exceeds 7.0%, maintain a 1% shoulder cross slope away from the adjacent pavement.
- 3 Low Side Shoulder: Maintain normal shoulder cross slope(s) until the adjacent pavement slope equals s, then slope the shoulder at the same cross slope as the adjacent pavement.
- 4 Subgrade Surface: Subgrade surface cross slope parallel to pavement surface cross slope.



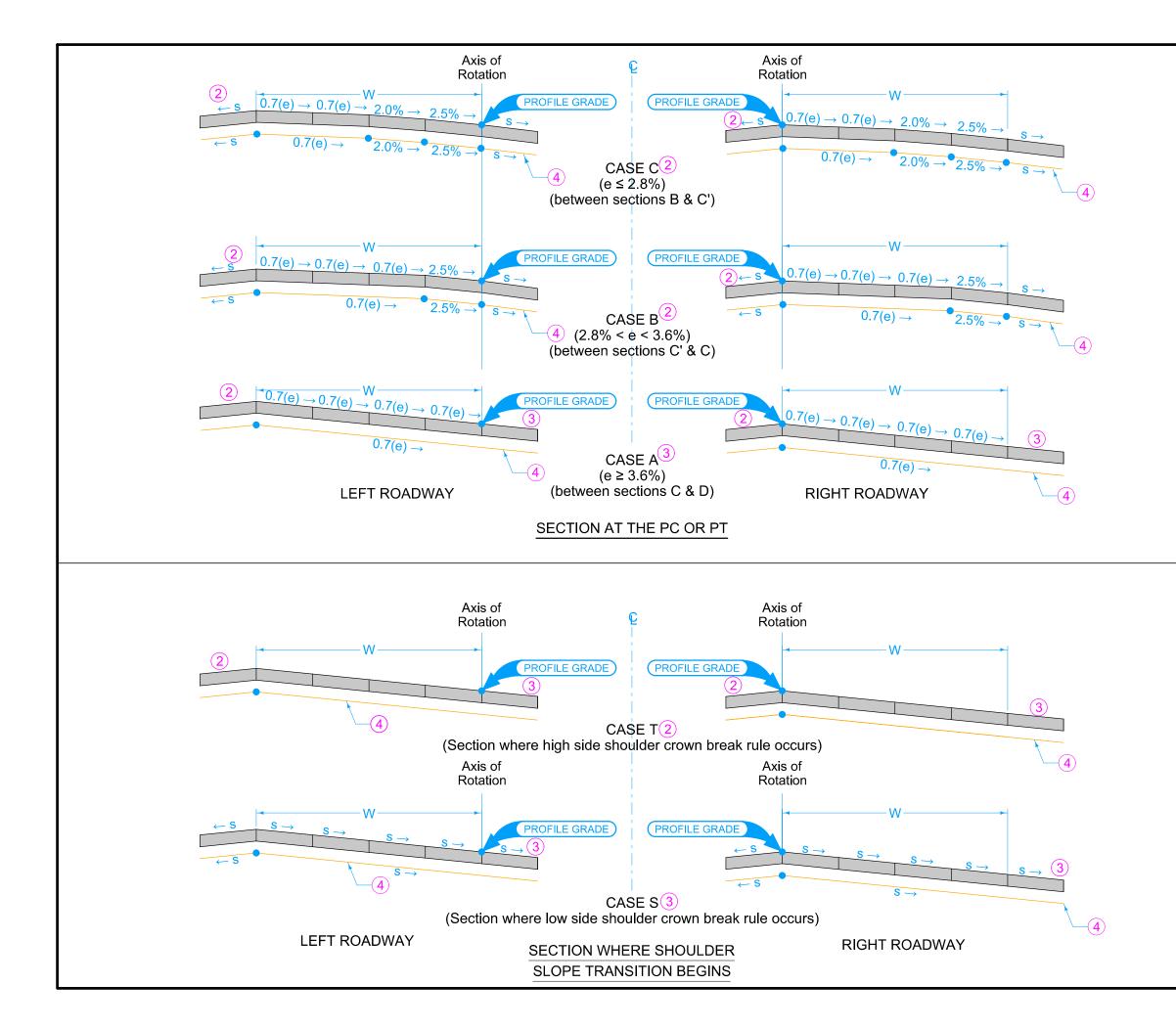


REVISIONS:

Corrected spelling



SUPERELEVATION DETAILS EIGHT LANE ROADWAY DEPRESSED MEDIAN



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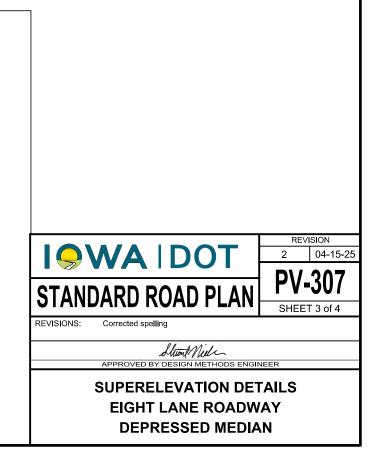
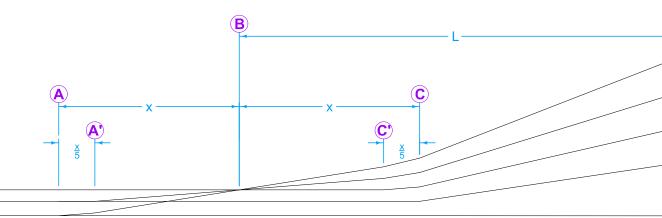
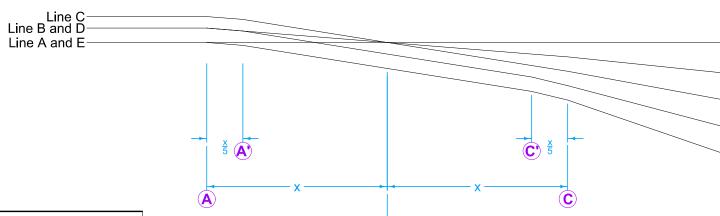


TABLE	OF OFFSETS AND DR	OPS FOR	LEFT R	OADW	ΆY		
Location of Cross Sections		(A)	A'	B	(C')	(C)	(D)
From Line A To Line B	Offset (Ft.)	12	12	12	12	12	12
	Slope (%)	2.5	2.5	2.5	2.5	2.5	е
	Drop (Ft.)	0.30	0.30	0.30	0.30	0.30	12(e)
From Line B To Line C	Offset (Ft.)	12	12	12	12	12	12
	Slope (%)	2.0	2.0	2.0	2.0	2.5	е
	Drop (Ft.)	0.24	0.24	0.24	0.24	0.30	12(e)
From Line C To Line D	Offset (Ft.)	12	12	12	12	12	12
	Slope (%)	-2.0	-2.0	0.0	2.0	2.5	е
	Drop (Ft.)	-0.24	-0.24	0.0	0.24	0.30	12(e)
From Line D To Line E	Offset (Ft.)	12	12	12	12	12	12
	Slope (%)	-2.5	-2.0	0.0	2.0	2.5	е
	Drop (Ft.)	-0.30	-0.24	0.0	0.24	0.30	12(e)
From Line A	Offset (Ft.)	48	48	48	48	48	48
From Line A To Line E							
	Drop (Ft.)	0.00	0.06	0.54	1.02	1.20	48(e)



Line C— Line D and B— Line E and A—



B

TABLE OF OFFSETS AND DROPS FOR RIGHT ROADWAY							
Location of Cross Sections		A	A'	B	C)	(C)	
From Line A To Line B	Offset (Ft.)	12	12	12	12	12	12
	Slope (%)	2.5	2.0	0.0	-2.0	-2.5	-е
	Drop (Ft.)	0.30	0.24	0.0	-0.24	-0.30	-12(e)
From Line B To Line C	Offset (Ft.)	12	12	12	12	12	12
	Slope (%)	2.0	2.0	0.0	-2.0	-2.5	-е
	Drop (Ft.)	0.24	0.24	0.0	-0.24	-0.30	-12(e)
From Line C	Offset (Ft.)	12	12	12	12	12	12
To Line D	Slope (%)	-2.0	-2.0	-2.0	-2.0	-2.5	-е
	Drop (Ft.)	-0.24	-0.24	-0.24	-0.24	-0.30	-12(e)
From Line D	Offset (Ft.)	12	12	12	12	12	12
To Line E	Slope (%)	-2.5	-2.5	-2.5	-2.5	-2.5	-е
	Drop (Ft.)	-0.30	-0.30	-0.30	-0.30	-0.30	-12(e)
Erom Lino A	Offset (Ft.)	48	48	48	48	48	48
From Line A To Line E	Slope (%)						
	Drop (Ft.)	0.00	-0.06	-0.54	-1.02	-1.20	-48(e)
* Refer to plan details for shoulder width							

DIAGRAMMATIC PROFILES OF THE PAVEMENT EDGE LINES

D					
-	- Line E				
	Line D				
	-Line C				
	– Line B———				
	- Line A				
	Line A				
	– Line B———				
	- Line C				
	- Line D				
	– Line E				
D					
1		REVISION			
		2 04-15-25			
	STANDARD ROAD PLAN	PV-307			
	REVISIONS: Corrected spelling	SHEET 4 of 4			
	APPROVED BY DESIGN METHODS ENGINEER				
	SUPERELEVATION DETAILS EIGHT LANE ROADWAY DEPRESSED MEDIAN				