

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 P.C. and P.T. 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-F.

See Detail A for profile grade location.

- m = 30% of Runoff Length (L)
- ₩ = 48'
- g = Normal Cross Slope (2.5%)
- L = Distance to Change Cross Slope from 0% to e
- e = Superelevation Rate
- x = 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



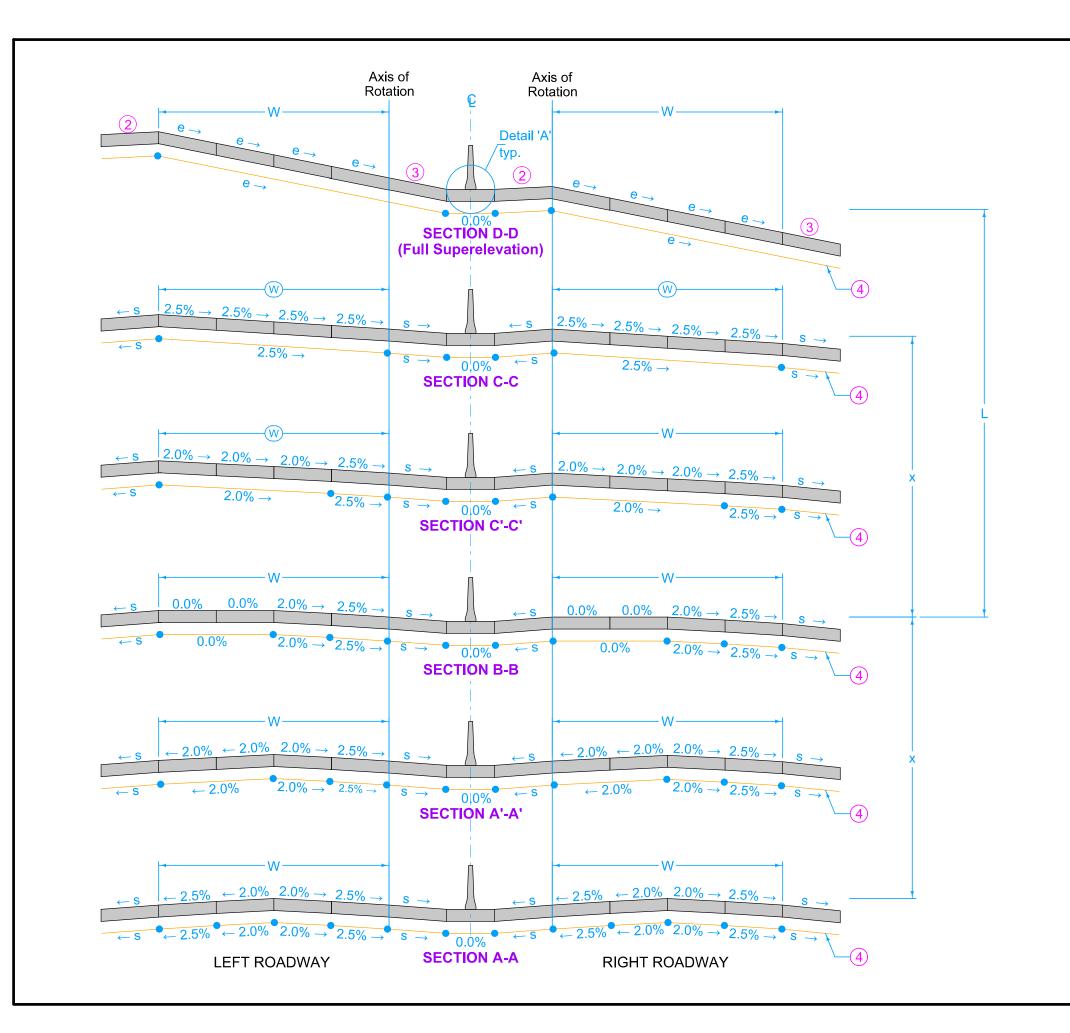
REVISION

**PV-306** 

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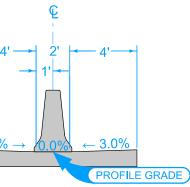
3 04-15-25

SUPERELEVATION DETAILS EIGHT LANE ROADWAY CLOSED MEDIAN

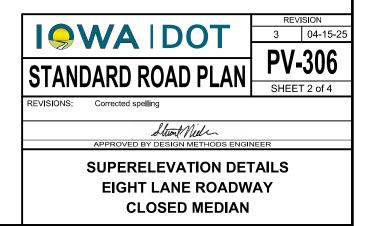


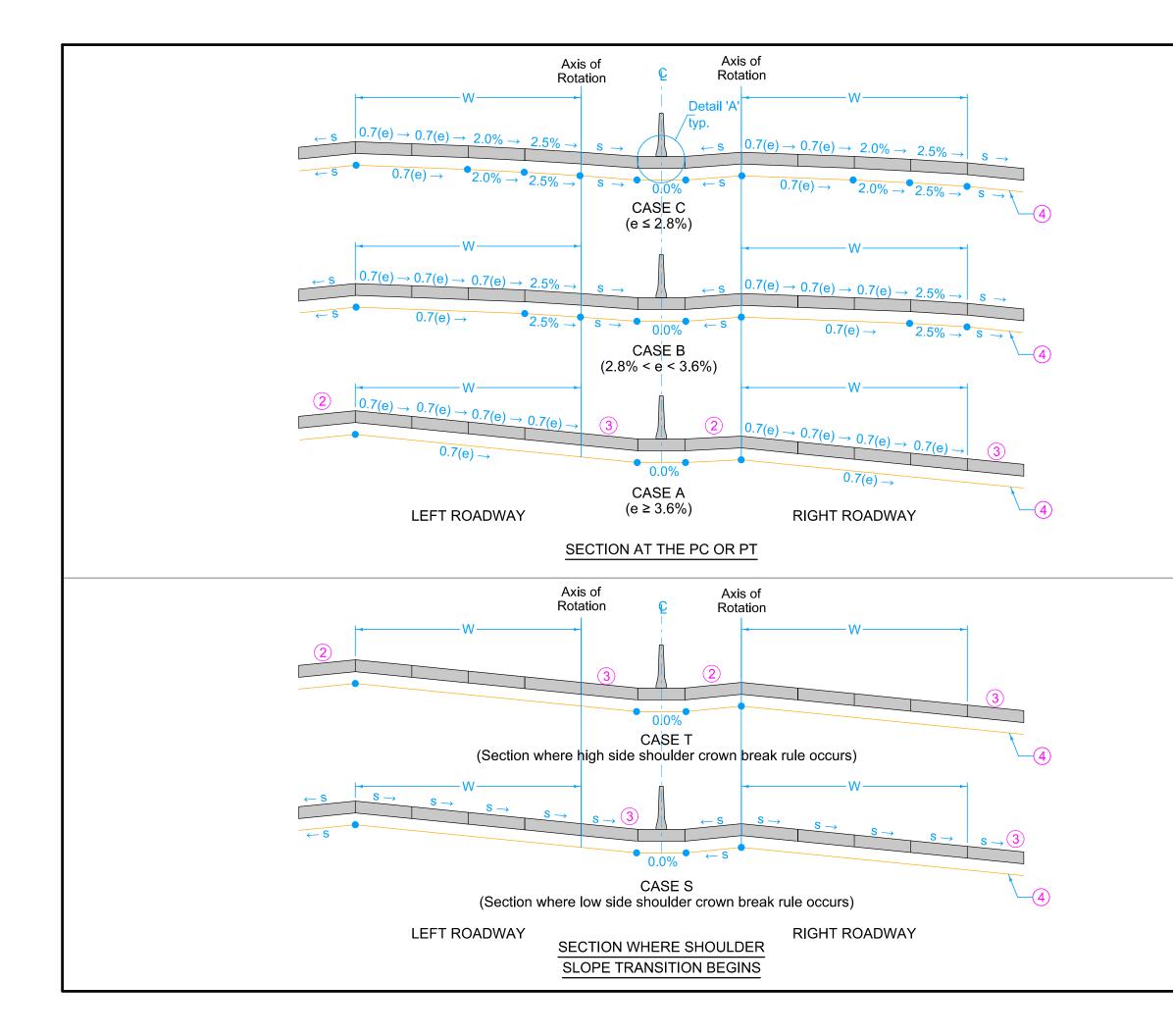
3.0%

- (2) High Side Shoulder: Maintain normal shoulder cross slope (s) until the cross slope break with the adjacent pavement reaches 8.0%, then slope the shoulder at the same rate as the adjacent pavement maintaining an 8% cross slope breakover.
- 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.



DETAIL A





- 2 High Side Shoulder: Maintain normal shoulder cross slope (s) until the cross slope break with the adjacent pavement reaches 8.0%, then slope the shoulder at the same rate as the adjacent pavement maintaining an 8% cross slope breakover.
- 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 CLOSED MEDIAN

	DROPS FOR LEFT ROADWAY								
Location of C	Cross Sections	A	<b>A'</b>		<b>C</b> )	<b>(C)</b>	D		
From Line A To Line B	Offset (Ft.)	*	*	*	*	*	*		
	Slope (%)	s	s	s	s	s	(3)		
	Drop (Ft.)								
From Line B To Line C	Offset (Ft.)	12	12	12	12	12	12		
	Slope (%)	2.5	2.5		2.5	2.5	е		
	Drop (Ft.)			-		0.30	12(e)		
From Line C To Line D	Offset (Ft.)	12	12	12	12	12	12		
	Slope (%)	2.0	2.0	2.0	2.0	2.5	e		
	Drop (Ft.)	0.24	0.24	-	0.24	0.30	12(e)	B	
From Line D	Offset (Ft.)	12	12	12	12	12	12	L	<b>`</b>
To Line E	Slope (%)	-2.0	-2.0		2.0	2.5	e		
	Drop (Ft.) Drop (Ft.)	-0.24 12	-0.24 12	0.0	0.24 12	0.30 12	12(e) 12		
From Line E	Slope (%)	-2.5	-2.0	-	2.0	2.5	e	(A) (C)	
To Line F	Offset (Ft.)		-0.24		0.24			X X X	
	Onset (Ft.)	-0.00	-0.24	0.0	0.24	0.50	12(6)		
Refer to plan details for s	shoulder width								
			1.1	ino E	ine D. and C				
			LI 	ine E	and B				
			-		ine A				
				•					
				1	ine D				
			Li	ine C	and E				
			L		and F				
				L	ine A				
								$\stackrel{\times}{\xrightarrow{5}}$ $\stackrel{\times}{\mathbb{A}}$	
								✓ Y → Y → Y → Y → Y → Y → Y → Y → Y → Y	
								$\begin{array}{c c} \hline \\ \hline $	
TABLE	OF OFFSETS AND DR		RIGHT	ROADV	VAY				
	OF OFFSETS AND DRO					C		<u> </u>	
Location of C	Cross Sections	DPS FOR F	RIGHT	ROADV	VAY	( <b>C</b> )	<b>D</b>		
Location of C	Cross Sections Offset (Ft.)	*	<b>A'</b> *	<b>B</b> *	(C) *	*	*	<u> </u>	
Location of C	Cross Sections Offset (Ft.) Slope (%)	A	<b>A'</b>	B	<b>C</b>	$\sim$		<u> </u>	
Location of C From Line A To Line B	Cross Sections Offset (Ft.) Slope (%) Drop (Ft.)	* \$	* * S	* * S	* *	* S	*	B	
Location of C From Line A To Line B From Line B	Cross Sections Offset (Ft.) Slope (%) Drop (Ft.) Offset (Ft.)	(A) * S 12	* * 12	<ul> <li>B</li> <li>*</li> <li>s</li> <li>12</li> </ul>	* * 12	* s 12	* (2) 12	<u> </u>	
Location of C From Line A To Line B	Cross Sections Offset (Ft.) Slope (%) Drop (Ft.) Offset (Ft.) Slope (%)	× s 12 2.5	A * s 12 2.0	<ul> <li>B</li> <li>*</li> <li>s</li> <li>12</li> <li>0.0</li> </ul>	* s 12 -2.0	* s 12 -2.5	* 2 12 -e	B	
Location of C From Line A To Line B From Line B To Line C	Cross Sections Offset (Ft.) Slope (%) Drop (Ft.) Offset (Ft.) Slope (%) Drop (Ft.)	A           *           s           12           2.5           0.30	<ul> <li>A</li> <li>*</li> <li>S</li> <li>12</li> <li>2.0</li> <li>0.24</li> </ul>	B * 5 12 0.0 0.0	* s 12 -2.0 -0.24	* s 12 -2.5 -0.30	* 2 12 -e -12(e)	B	
Location of C From Line A To Line B From Line B	Cross Sections Offset (Ft.) Slope (%) Drop (Ft.) Offset (Ft.) Slope (%)	× s 12 2.5	A * s 12 2.0	<ul> <li>B</li> <li>*</li> <li>s</li> <li>12</li> <li>0.0</li> </ul>	* s 12 -2.0	* s 12 -2.5	* 2 12 -e	B	

2.0 2.0 0.0 -2.0 -2.5 -e

0.24 0.24 0.0 -0.24 -0.30 -12(e)

-2.0 -2.0 -2.0 -2.0 -2.5 -e

-0.24 -0.24 -0.24 -0.24 -0.30 -12(e)

12 12 12 12 12 12

-2.5 -2.5 -2.5 -2.5 -2.5 -e

-0.30 -0.30 -0.30 -0.30 -0.30 -12(e)

12

12

12 12 12 12

\* Refer to plan details for shoulder width

To Line D

From Line D

To Line E

From Line E

To Line F

Drop (Ft.)

Offset (Ft.)

Slope (%)

Drop (Ft.)

Offset (Ft.)

Slope (%)

Drop (Ft.)

		APPROVE	Liter Mills D BY DESIGN METHOD RELEVATION IT LANE ROA	DET	AILS	
	STAN REVISIONS:	DARD		AN	<b>PV-306</b> SHEET 4 of 4	
		WA			REVISION 3 04-15-2	5
D						
	— Line F					
	Line E					
	— Line D					
	Line C					
	— Line B — Line A					
	— Line A					
	—Line B					
	— Line C					
	— Line D					
	— Line E					
D	breakces 3 Low S cross s equals	over. ide Shou slope (s) s s, then s slope as	Ider: Maintain r until the adjace slope the shoul the adjacent pa	norma ent pav der at	l shoulder /ement slope the same	
	cross adjace should	slope (s) ent paven ler at the	ulder: Maintain until the cross nent reaches 8 same rate as t	slope .0%, tł he adj	break with the nen slope the acent	

**CLOSED MEDIAN**