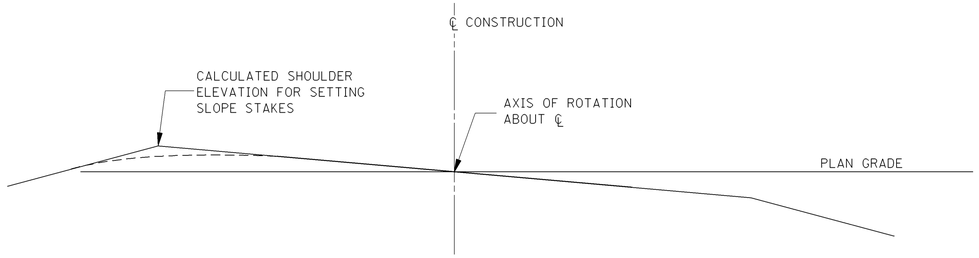
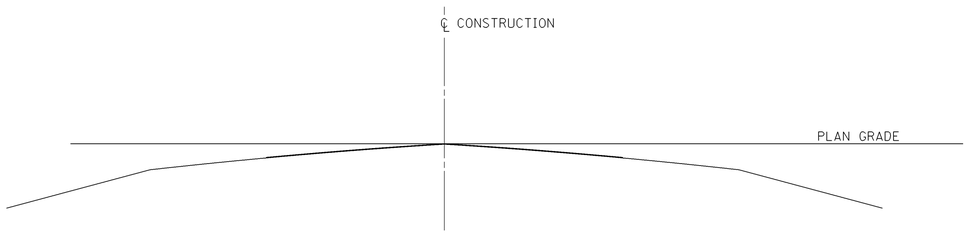
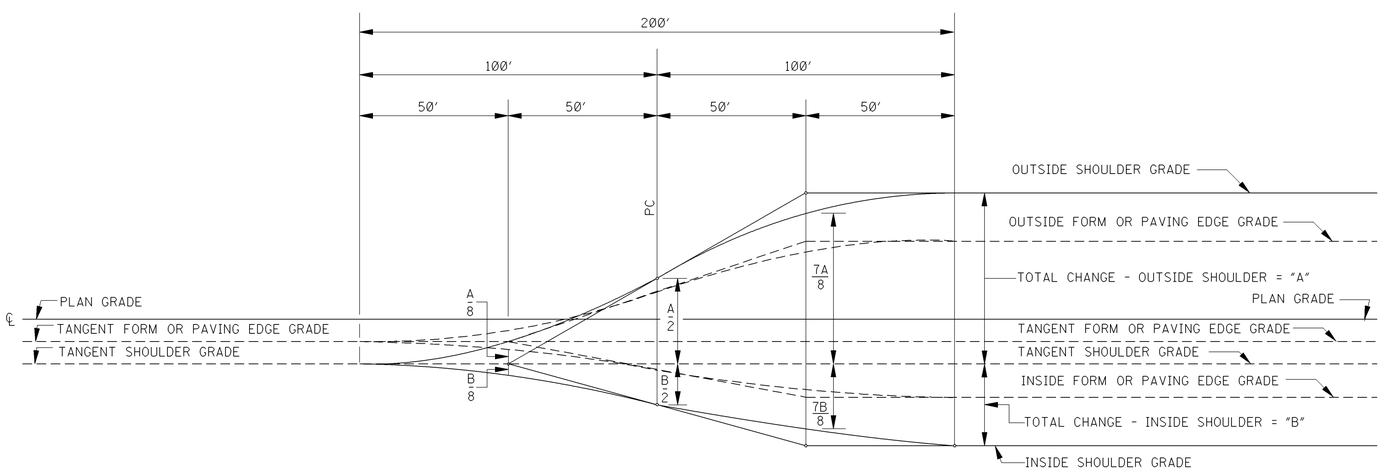
STATE	PROJECT NO.
MISS.	



FULL SUPERELEVATED SECTION



NORMAL TANGENT SECTION



e	V = 30 mph	V = 35 mph	V = 40 mph
	R (ft)	R (ft)	R (ft)
NC	3320	4350	5520
0.020	2440	3210	4080
0.022	2200	2900	3680
0.024	2000	2640	3350
0.026	1840	2420	3080
0.028	1690	2230	2840
0.030	1570	2060	2630
0.032	1450	1920	2450
0.034	1360	1790	2290
0.036	1270	1680	2150
0.038	1190	1580	2020
0.040	1120	1490	1900
0.042	1060	1400	1800
0.044	994	1330	1700
0.046	940	1260	1610
0.048	890	1190	1530
0.050	844	1130	1460
0.052	802	1080	1390
0.054	762	1030	1330
0.056	724	974	1270
0.058	689	929	1210
0.060	656	886	1160
0.062	624	846	1110
0.064	594	808	1060
0.066	564	772	1020
0.068	536	737	971
0.070	509	704	931
0.072	483	671	892
0.074	460	641	855
0.076	437	612	820
0.078	416	585	786
0.080	396	558	754
0.082	377	533	722
0.084	359	509	692
0.086	341	486	662
0.088	324	463	633
0.090	307	440	604
0.092	291	418	574
0.094	274	395	545
0.096	256	370	513
0.098	236	343	477
e_{max} = 0.100	R_{min} = 200	R_{min} = 292	R_{min} = 410

KEY:

V = DESIGN SPEED (mph)
R = RADIUS (ft)
e = FULL SUPERELEVATION RATE (ft/ft)
NC = NORMAL CROWN

*EXTRA WIDTH TABLE FOR TRAVELED WAY			
DEGREE OF CURVE "D"	EXTRA WIDTH (ft)		
	20′ SURF. WIDTH	22′ SURF. WIDTH	24′ SURF. WIDTH
>2°	0	0	0
2°-3°	2.0	0	0
4°-5°	2.5	0	0
6°-8°	3.0	2.0	0
9°-11°	3.5	2.5	0
≤ 11°	4.0	3.0	0

*NOTE: EXTRA WIDTH TO BE ADDED ON INSIDE OF CURVE. THE SPECIFIED EXTRA WIDTH TO BE ADDED AT UNIFORM RATE THROUGHOUT SUPERELEVATION RUNOFF (L). CENTERLINE STRIPE SHOULD EQUALLY DIVIDE SURFACED WIDTH.

GENERAL NOTES:

1. SE RATE IS DETERMINED FROM A RADIUS EQUAL TO OR SLIGHTLY SMALLER THAN, THE RADIUS OF THE CURVE.
2. THIS SHEET ONLY APPLIES TO LOCAL ROAD FACILITIES IN RESTRICTED LOCATIONS (V ≤ 40 mph) AND TO DETOURS.
3. IT IS SUGGESTED THAT BOTH SHOULDER GRADE & FORM GRADE CORRECTIONS FOR SUPERELEVATION RUNOFF BE DETERMINED GRAPHICALLY. USE STANDARD CROSS SECTION SHEET WITH HORIZONTAL SCALE 1"=20′ AND VERTICAL SCALE 1"=1′. CONNECT CONTROL POINTS WITH FLEXIBLE CURVE. CORRECTIONS CAN BE READ AT ANY POINT.
4. STATE AID DIVISION: USE STANDARD SA-SE-1.

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SUPERELEVATION TRANSITION FOR LOCAL FACILITIES

(V ≤ 40 mph)

WORKING NUMBER
SDSE-1
SHEET NUMBER

ISSUE DATE: