

SCHEDULE OF EXTRA WIDTH AND SUPERELEVATION OF PAVEMENT ON CURVES-FOR 18' PAVEMENT

PERPENDICULAR OFFSET
FROM INNER EDGE OF
PAVEMENT ON TANGENT.

RADIAL OFFSET FROM
INNER EDGE OF PAVE-
MENT ON CURVE.

DISTANCE FROM P.C. -100' OR P.T. +100'

SUPERELEVATION
(IN FEET) PER
FOOT WIDTH
OF PAVEMENT

SQ. FT. IN TWO
TRANSITION SECTIONS

SQ. FT. OF EXTRA
PAVEMENT FOR 100
LIN. FT. OF CURVE.

D	RADIUS	10	20	25	30	40	50	60	70	75	80	90	100	110	120	125	130	140	150	FOR ALL GRADES				
1°	5729.58																			0.018				
2°	2864.79				Pavement on curves of less than 5° will be superelevated but not widened.																	.027		
3°	1909.86																			.036				
4°	1432.39																			.045				
5°	1145.92	0.01	0.04	0.07	0.10	0.17	0.27	0.39	0.53	0.61	0.69	0.89	1.15	1.41	1.64	1.73	1.82	1.94	2.00	.054	240	198.2		
6°	954.93	0.01	0.05	0.08	0.11	0.19	0.30	0.44	0.60	0.69	0.78	1.00	1.28	1.56	1.80	1.89	1.98	2.11	2.17	.063	264	214.7		
7°	818.51	0.01	0.05	0.09	0.12	0.21	0.34	0.49	0.66	0.76	0.86	1.11	1.42	1.71	1.96	2.05	2.15	2.27	2.33	.064	288	230.1		
8°	716.20	0.02	0.06	0.10	0.14	0.24	0.37	0.54	0.73	0.84	0.95	1.22	1.55	1.86	2.12	2.21	2.31	2.44	2.50	.065	312	246.4		
9°	636.62	0.02	0.06	0.11	0.15	0.26	0.41	0.59	0.80	0.92	1.04	1.33	1.68	2.02	2.28	2.38	2.47	2.60	2.67	.067	337	262.7		
10°	572.96	0.02	0.07	0.11	0.16	0.28	0.44	0.63	0.86	0.99	1.12	1.43	1.81	2.17	2.44	2.54	2.64	2.77	2.83	.068	361	277.9		
11°	520.87	0.02	0.07	0.12	0.17	0.30	0.47	0.68	0.93	1.07	1.21	1.54	1.95	2.32	2.60	2.70	2.80	2.93	3.00	.069	385	294.0		
12°	477.46	0.02	0.08	0.13	0.18	0.32	0.51	0.73	0.99	1.14	1.30	1.65	2.08	2.47	2.76	2.86	2.96	3.10	3.17	.071	409	310.0		
13°	440.74	0.02	0.08	0.14	0.20	0.34	0.54	0.78	1.06	1.22	1.38	1.76	2.21	2.62	2.92	3.02	3.13	3.26	3.33	.072	433	324.9		
14°	409.26	0.03	0.09	0.15	0.21	0.37	0.57	0.83	1.13	1.30	1.47	1.87	2.34	2.77	3.08	3.18	3.29	3.43	3.50	.074	456	340.8		
15°	381.97	0.03	0.09	0.16	0.22	0.39	0.61	0.88	1.19	1.37	1.56	1.98	2.48	2.92	3.24	3.34	3.45	3.59	3.67	.075	480	356.6		
16°	358.10	0.03	0.10	0.17	0.23	0.41	0.64	0.93	1.26	1.45	1.64	2.09	2.61	3.07	3.40	3.50	3.62	3.76	3.83	.076	504	371.3		
17°	337.03	0.03	0.11	0.18	0.25	0.43	0.68	0.98	1.33	1.53	1.73	2.20	2.74	3.23	3.56	3.67	3.78	3.93	4.00	.078	527	386.9		
18°	318.31	0.03	0.11	0.18	0.26	0.45	0.71	1.02	1.39	1.60	1.82	2.30	2.87	3.38	3.72	3.83	3.94	4.09	4.17	.079	551	402.5		
19°	301.56	0.03	0.12	0.19	0.27	0.47	0.74	1.07	1.46	1.68	1.90	2.41	3.01	3.53	3.88	3.99	4.11	4.26	4.33	.081	574	417.0		
20°	286.48	0.04	0.12	0.20	0.28	0.50	0.78	1.12	1.52	1.75	1.99	2.52	3.14	3.68	4.04	4.15	4.27	4.42	4.50	.082	598	432.3		
21°	272.84	0.04	0.13	0.21	0.29	0.52	0.81	1.17	1.59	1.83	2.08	2.63	3.27	3.83	4.20	4.31	4.43	4.59	4.67	.083	621	447.6		
22°	260.44	0.04	0.13	0.22	0.31	0.54	0.84	1.22	1.66	1.91	2.16	2.74	3.40	3.98	4.36	4.47	4.60	4.75	4.83	.086	644	461.8		
23°	249.11	0.04	0.14	0.23	0.32	0.56	0.88	1.27	1.72	1.98	2.25	2.85	3.54	4.13	4.52	4.63	4.76	4.92	5.00	.089	667	476.9		
24°	238.73	0.04	0.14	0.24	0.33	0.58	0.91	1.32	1.79	2.06	2.34	2.96	3.67	4.28	4.68	4.79	4.92	5.08	5.17	.091	690	491.9		
25°	229.18	0.04	0.15	0.25	0.34	0.60	0.95	1.37	1.86	2.14	2.42	3.07	3.80	4.44	4.84	4.96	5.09	5.25	5.33	.094	713	505.9		
26°	220.37	0.05	0.15	0.25	0.35	0.63	0.98	1.41	1.92	2.21	2.51	3.17	3.93	4.59	5.00	5.12	5.25	5.41	5.50	.096	736	520.7		
27°	212.21	0.05	0.16	0.26	0.37	0.65	1.01	1.46	1.99	2.29	2.60	3.28	4.07	4.74	5.16	5.28	5.41	5.58	5.67	.099	759	535.4		
28°	204.63	0.05	0.16	0.27	0.38	0.67	1.05	1.51	2.05	2.36	2.68	3.39	4.20	4.89	5.32	5.44	5.58	5.74	5.83	.102	782	549.1		
29°	197.57	0.05	0.17	0.28	0.39	0.69	1.08	1.56	2.12	2.44	2.77	3.50	4.33	5.04	5.48	5.60	5.74	5.91	6.00	.104	804	563.6		

NOTE: Radius is based on D° central angle subtending 100' of actual arc. CONST. DRAW. NO. 116-18