

SCHEDULE OF EXTRA WIDTH AND SUPERELEVATION OF PAVEMENT ON CURVES-FOR 16' PAVEMENT

D	RADIUS	PERPENDICULAR OFFSET FROM INNER EDGE OF PAVEMENT ON TANGENT.																	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		
		RADIAL OFFSET FROM INNER EDGE OF PAVEMENT ON CURVE.																					
		10	20	25	30	40	50	60	70	75	80	90	100	110	120	125	130	140				150	
1°	5729.58																			FOR ALL GRADES			
2°	2864.79																				0.018		
3°	1909.86																						
4°	1432.39																						
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	198.4
6°	954.93	0.01	0.05	0.08	0.12	0.20	0.32	0.46	0.63	0.72	0.82	1.05	1.34	1.63	1.88	1.97	2.06	2.19	2.25		.063	276	222.8
7°	818.51	0.01	0.06	0.10	0.14	0.23	0.37	0.53	0.72	0.83	0.94	1.21	1.54	1.85	2.11	2.21	2.31	2.44	2.50		.064	312	247.2
8°	716.20	0.02	0.06	0.11	0.15	0.26	0.42	0.60	0.82	0.94	1.07	1.36	1.73	2.07	2.35	2.45	2.55	2.68	2.75		.065	347	271.4
9°	636.62	0.02	0.07	0.12	0.17	0.30	0.47	0.67	0.91	1.05	1.19	1.52	1.92	2.30	2.58	2.69	2.79	2.93	3.00		.067	383	295.5
10°	572.96	0.02	0.08	0.13	0.19	0.33	0.51	0.74	1.01	1.16	1.32	1.68	2.11	2.52	2.82	2.92	3.03	3.18	3.25		.068	418	319.5
11°	520.87	0.02	0.09	0.15	0.21	0.36	0.56	0.81	1.11	1.27	1.44	1.84	2.31	2.74	3.05	3.16	3.28	3.43	3.50		.069	454	343.4
12°	477.46	0.02	0.10	0.16	0.22	0.39	0.61	0.88	1.20	1.38	1.57	1.99	2.50	2.96	3.29	3.40	3.52	3.67	3.75		.071	489	367.2
13°	440.74	0.03	0.10	0.17	0.24	0.42	0.66	0.95	1.30	1.49	1.69	2.15	2.69	3.18	3.53	3.64	3.76	3.92	4.00		.072	525	390.9
14°	409.26	0.03	0.11	0.18	0.26	0.45	0.71	1.02	1.39	1.60	1.82	2.31	2.88	3.40	3.76	3.88	4.01	4.17	4.25		.074	560	414.5
15°	381.97	0.03	0.12	0.20	0.28	0.48	0.76	1.09	1.49	1.71	1.94	2.47	3.08	3.62	4.00	4.12	4.25	4.42	4.50		.075	595	437.9
16°	358.10	0.03	0.13	0.21	0.29	0.51	0.81	1.16	1.58	1.82	2.07	2.62	3.27	3.84	4.23	4.36	4.49	4.66	4.75		.076	630	461.2
17°	337.03	0.04	0.14	0.22	0.31	0.55	0.86	1.24	1.68	1.93	2.19	2.78	3.46	4.07	4.47	4.60	4.74	4.91	5.00		.078	664	484.4
18°	318.31	0.04	0.14	0.23	0.33	0.58	0.90	1.31	1.78	2.04	2.32	2.94	3.65	4.29	4.71	4.83	4.98	5.16	5.25		.079	699	507.5
19°	301.56	0.04	0.15	0.25	0.35	0.61	0.95	1.38	1.87	2.15	2.44	3.10	3.85	4.51	4.94	5.07	5.22	5.41	5.50		.081	734	530.4
20°	286.48	0.04	0.16	0.26	0.36	0.64	1.00	1.45	1.97	2.26	2.57	3.25	4.04	4.73	5.18	5.31	5.46	5.65	5.75		.082	768	553.2
21°	272.84	0.04	0.17	0.27	0.38	0.67	1.05	1.52	2.06	2.37	2.69	3.41	4.23	4.95	5.41	5.55	5.71	5.90	6.00		.083	803	575.8
22°	260.44	0.05	0.17	0.28	0.40	0.70	1.10	1.59	2.16	2.48	2.82	3.57	4.42	5.17	5.65	5.79	5.95	6.15	6.25		.086	837	598.3
23°	249.11	0.05	0.18	0.30	0.42	0.73	1.15	1.66	2.25	2.59	2.94	3.73	4.62	5.39	5.89	6.03	6.19	6.40	6.50		.089	871	620.6
24°	238.73	0.05	0.19	0.31	0.43	0.76	1.20	1.73	2.35	2.70	3.07	3.88	4.81	5.61	6.12	6.27	6.44	6.64	6.75		.091	905	642.8
25°	229.18	0.05	0.20	0.32	0.45	0.80	1.25	1.80	2.45	2.81	3.19	4.04	5.00	5.84	6.36	6.51	6.68	6.89	7.00		.094	939	664.9
26°	220.37	0.05	0.21	0.33	0.47	0.83	1.29	1.87	2.54	2.92	3.32	4.20	5.19	6.06	6.59	6.74	6.92	7.14	7.25		.096	972	686.8
27°	212.21	0.06	0.21	0.35	0.49	0.86	1.34	1.94	2.64	3.03	3.44	4.36	5.39	6.28	6.83	6.98	7.16	7.39	7.50		.099	1006	708.5
28°	204.63	0.06	0.22	0.36	0.50	0.89	1.39	2.01	2.73	3.14	3.57	4.51	5.58	6.50	7.06	7.22	7.41	7.63	7.75		.102	1039	730.0
29°	197.57	0.06	0.23	0.37	0.52	0.92	1.44	2.08	2.83	3.25	3.69	4.67	5.77	6.72	7.30	7.46	7.65	7.88	8.00		.104	1072	751.4

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

Pavement on curves of less than 5°
will be superelevated but not widened.

NOTE: Radius is based on D° central angle subtending 100' of actual arc. CONST. DRAW. NO. 116-16