

Table D.1. Axle load equivalency factors for flexible pavements, single axles and p_t of 2.0.

Axle Load (kips)	Pavement Structural Number (SN)					
	1	2	3	4	5	6
2	.0002	.0002	.0002	.0002	.0002	.0002
4	.002	.003	.002	.002	.002	.002
5	.009	.012	.011	.010	.009	.009
8	.030	.035	.035	.033	.031	.029
10	.075	.085	.090	.085	.079	.076
12	.166	.177	.189	.183	.174	.158
14	.325	.338	.354	.350	.338	.331
15	.589	.598	.613	.512	.603	.595
18	1.00	1.00	1.00	1.00	1.00	1.00
20	1.81	1.69	1.55	1.55	1.57	1.59
22	2.49	2.44	2.35	2.31	2.35	2.41
24	3.71	3.52	3.43	3.33	3.40	3.51
26	5.35	5.21	4.88	4.68	4.77	4.95
28	7.54	7.31	6.78	6.42	6.52	6.83
30	10.4	10.0	9.2	8.6	8.7	9.2
32	14.0	13.5	12.4	11.5	11.5	12.1
34	18.5	17.9	16.3	15.0	14.9	15.5
35	24.2	23.3	21.2	19.3	19.0	19.9
38	31.1	29.9	27.1	24.5	24.0	25.1
40	39.5	38.0	34.3	30.9	30.0	31.2
42	49.7	47.7	43.0	38.6	37.2	38.5
44	61.8	69.3	53.4	47.6	45.7	47.1
48	75.1	73.0	65.5	58.3	55.7	57.0
48	92.9	89.1	80.0	70.9	57.3	68.6
50	113.	108.	97.	88.	81.	82.

Table D.2. Axle load equivalency factors for flexible pavements, tandem axles and p_t of 2.0.

Axle Load (kips)	Pavement Structural Number (SN)					
	1	2	3	4	5	6
2	.0000	.0000	.0000	.0000	.0000	.0000
4	.0003	.0003	.0003	.0002	.0002	.0002
6	.001	.001	.001	.001	.001	.001
8	.003	.003	.003	.003	.003	.002
10	.007	.008	.008	.007	.006	.006
12	.013	.016	.016	.014	.013	.012
14	.024	.029	.029	.026	.024	.023
16	.041	.048	.050	.046	.042	.040
18	.066	.077	.081	.075	.069	.066
20	.103	.117	.124	.117	.109	.105
22	.156	.171	.183	.174	.164	.158
24	.227	.244	.260	.252	.239	.231
26	.322	.340	.360	.353	.338	.329
28	.447	.465	.487	.481	.466	.455
30	.607	.623	.646	.643	.627	.617
32	.810	.823	.843	.842	.829	.819
34	1.06	1.07	1.08	1.08	1.08	1.07
36	1.38	1.38	1.38	1.38	1.38	1.38
38	1.76	1.75	1.73	1.72	1.73	1.74
40	2.22	2.19	2.15	2.13	2.16	2.18
42	2.77	2.73	2.64	2.62	2.66	2.70
44	3.42	3.36	3.23	3.18	3.24	3.31
46	4.20	4.11	3.92	3.83	3.91	4.02
48	5.10	4.98	4.72	4.58	4.68	4.83
50	6.15	5.99	5.64	5.44	5.56	5.77
52	7.37	7.16	6.71	6.43	6.56	6.83
54	8.77	8.51	7.93	7.55	7.69	8.03
56	10.4	10.1	9.3	8.8	9.0	9.4
58	12.2	11.8	10.9	10.3	10.4	10.9
60	14.3	13.8	12.7	11.9	12.0	12.6
62	16.6	16.0	14.7	13.7	13.8	14.6
64	19.3	18.6	17.0	15.8	15.8	16.6
66	22.2	21.4	19.6	18.0	18.0	18.9
68	25.5	24.6	22.4	20.6	20.5	21.5
70	29.2	28.1	25.6	23.4	23.2	24.3
72	33.3	32.0	29.1	26.5	26.2	27.4
74	37.8	36.4	33.0	30.0	29.4	30.8
76	42.8	41.2	37.3	33.8	33.1	34.5
78	48.4	46.5	42.0	38.0	37.0	38.6
80	54.4	52.3	47.2	42.5	41.3	43.0
82	61.1	58.7	52.9	47.6	46.0	47.8
84	68.4	65.7	59.2	53.0	51.2	53.0
86	76.3	73.3	66.0	59.0	56.8	58.6
88	85.0	81.6	73.4	65.5	62.8	64.7
90	94.4	90.6	81.5	72.6	69.4	71.3

Table D.3. Axle load equivalency factors for flexible pavements, triple axles and p_t of 2.0.

Axle Load (kips)	Pavement Structural Number (SN)					
	1	2	3	4	5	8
2	.0000	.0000	.0000	.0000	.0000	.0000
4	.0001	.0001	.0001	.0001	.0001	.0001
6	.0004	.0004	.0003	.0003	.0003	.0003
8	.0009	.0010	.0009	.0008	.0007	.0007
10	.002	.002	.002	.002	.002	.001
12	.004	.004	.004	.003	.003	.003
14	.006	.007	.007	.006	.006	.005
18	.010	.012	.012	.010	.009	.009
18	.016	.019	.019	.017	.015	.015
20	.024	.029	.029	.026	.024	.023
22	.034	.042	.042	.038	.035	.034
24	.049	.058	.060	.066	.061	.048
26	.068	.080	.083	.077	.071	.068
28	.093	.107	.113	.105	.098	.094
30	.126	.140	.149	.140	.131	.128
32	.164	.182	.194	.184	.173	.167
34	.213	.233	.248	.238	.226	.217
36	.273	.294	.313	.303	.288	.279
38	.346	.368	.390	.381	.364	.363
40	.434	.456	.481	.473	.464	.443
42	.538	.560	.587	.680	.561	.548
44	.662	.682	.710	.705	.686	.673
48	.807	.826	.852	.849	.831	.818
48	.976	.992	1.015	1.014	.999	.987
60	1.17	1.18	1.20	1.20	1.19	1.18
62	1.40	1.40	1.42	1.42	1.41	1.40
54	1.68	1.66	1.86	1.86	1.66	1.66
68	1.96	1.96	1.93	1.93	1.94	1.94
68	2.29	2.27	2.24	2.23	2.26	2.27
60	2.67	2.64	2.59	2.67	2.80	2.63
62	3.10	3.06	2.98	2.95	2.99	3.04
64	3.59	3.53	3.41	3.37	3.42	3.49
66	4.13	4.06	3.89	3.83	3.90	3.99
68	4.73	4.63	4.43	4.34	4.42	4.54
70	5.40	5.28	5.03	4.90	5.00	5.15
72	6.15	6.00	5.68	5.62	5.63	5.82
74	6.97	6.79	6.41	6.20	6.33	6.56
76	7.88	7.67	7.21	6.94	7.08	7.36
78	8.88	8.63	8.09	7.75	7.90	8.23
80	9.98	9.69	9.05	8.63	8.79	9.18
82	11.2	10.8	10.1	9.6	9.8	10.2
84	12.5	12.1	11.2	10.6	10.8	11.3
86	13.9	13.5	12.5	11.8	11.9	12.5
88	15.5	16.0	13.8	13.0	13.2	13.8
90	17.2	18.6	15.3	14.3	14.5	15.2

Table D.4. Axle load equivalency factors for flexible pavements, single axles and p_t 2.6.

Axle Load (kips)	Pavement Structural Number (SN)					
	1	2	3	4	5	6
2	.0004	.0004	.0003	.0002	.0002	.0002
4	.003	.004	.004	.003	.002	.002
6	.011	.017	.017	.013	.010	.009
8	.032	.047	.051	.041	.034	.031
10	.078	.102	.118	.102	.088	.080
12	.168	.198	.229	.213	.189	.176
14	.328	.358	.399	.388	.360	.342
16	.591	.613	.646	.645	.623	.608
18	1.00	1.00	1.00	1.00	1.00	1.00
20	1.61	1.57	1.49	1.47	1.51	1.56
22	2.48	2.38	2.17	2.09	2.18	2.30
24	3.69	3.49	3.09	2.89	3.03	3.27
26	5.33	4.99	4.31	3.91	4.09	4.48
28	7.49	6.98	5.90	6.21	5.39	5.98
30	10.3	9.5	7.9	6.8	7.0	7.8
32	13.9	12.8	10.5	8.8	8.9	10.0
34	18.4	16.9	13.7	11.3	11.2	12.6
36	24.0	22.0	17.7	14.4	13.9	15.5
38	30.9	28.3	22.6	18.1	17.2	19.0
40	39.3	35.9	28.5	22.6	21.1	23.0
42	49.3	45.0	35.6	27.8	25.6	27.7
44	61.3	55.9	44.0	34.0	31.0	33.1
46	75.5	68.8	54.0	41.4	37.2	39.3
48	92.2	83.9	65.7	50.1	44.5	46.6
50	112.	102.	79.	60.	53.	55.

Table D.5. Axle load equivalency factors for flexible pavements, tandem axles and p_t of 2.5.

Axle Load (kips)	Pavement Structural Number (SN)					
	1	2	3	4	5	6
2	.0001	.0001	.0001	.0000	.0000	.0000
4	.0005	.0005	.0004	.0003	.0003	.0002
6	.002	.002	.002	.001	.001	.001
8	.004	.006	.005	.004	.003	.003
10	.008	.013	.011	.009	.007	.006
12	.015	.024	.023	.018	.014	.013
14	.026	.041	.042	.033	.027	.024
16	.044	.065	.070	.067	.047	.043
18	.070	.097	.109	.092	.077	.070
20	.107	.141	.162	.141	.121	.110
22	.160	.198	.229	.207	.180	.166
24	.231	.273	.315	.292	.260	.242
26	.327	.370	.420	.401	.364	.342
28	.451	.493	.548	.534	.495	.470
30	.611	.648	.703	.695	.658	.633
32	.813	.843	.889	.887	.867	.834
34	1.06	1.08	1.11	1.11	1.09	1.08
36	1.38	1.38	1.38	1.38	1.38	1.38
38	1.76	1.73	1.69	1.68	1.70	1.73
40	2.21	2.16	2.06	2.03	2.08	2.14
42	2.76	2.67	2.49	2.43	2.51	2.61
44	3.41	3.27	2.99	2.88	3.00	3.16
46	4.18	3.98	3.58	3.40	3.55	3.79
48	5.08	4.80	4.25	3.98	4.17	4.49
50	6.12	5.76	5.03	4.64	4.86	5.28
52	7.33	6.87	5.93	5.38	5.63	6.17
54	8.72	8.14	6.95	6.22	6.47	7.15
56	10.3	9.6	8.1	7.2	7.4	8.2
58	12.1	11.3	9.4	8.2	8.4	9.4
60	14.2	13.1	10.9	9.4	9.6	10.7
62	16.5	15.3	12.6	10.7	10.8	12.1
64	19.1	17.6	14.5	12.2	12.2	13.7
66	22.1	20.3	16.6	13.8	13.7	15.4
68	25.3	23.3	18.9	15.6	15.4	17.2
70	29.0	26.6	21.5	17.6	17.2	19.2
72	33.0	30.3	24.4	19.8	19.2	21.3
74	37.5	34.4	27.6	22.2	21.3	23.6
76	42.5	38.9	31.1	24.8	23.7	26.1
78	48.0	43.9	35.0	27.8	26.2	28.8
80	54.0	49.4	39.2	30.9	29.0	31.7
82	60.6	55.4	43.9	34.4	32.0	34.8
84	67.8	61.9	49.0	38.2	35.3	38.1
86	75.7	69.1	54.5	42.3	38.8	41.7
88	84.3	76.9	60.6	46.8	42.6	45.6
90	93.7	85.4	67.1	51.7	46.8	49.7

Table D.6. Axle load equivalency factors for flexible pavements, triple axles and p_f of 2.5.

Axle Load (kips)	Pavement Structural Number (SN)					
	1	2	3	4	5	6
2	.0000	.0000	.0000	.0000	.0000	.0000
4	.0002	.0002	.0002	.0001	.0001	.0001
8	.0008	.0007	.0005	.0004	.0003	.0003
8	.001	.002	.001	.001	.001	.001
10	.003	.004	.003	.002	.002	.002
12	.006	.007	.008	.004	.003	.003
14	.008	.012	.010	.008	.006	.006
16	.012	.019	.018	.013	.011	.010
18	.018	.029	.028	.021	.017	.016
20	.027	.042	.042	.032	.027	.024
22	.038	.058	.060	.048	.040	.038
24	.053	.078	.084	.068	.057	.061
26	.072	.103	.114	.095	.080	.072
28	.098	.133	.151	.128	.109	.089
30	.129	.169	.196	.170	.146	.133
32	.169	.213	.247	.220	.191	.175
34	.219	.266	.308	.281	.246	.228
36	.279	.329	.379	.362	.313	.292
38	.352	.403	.461	.436	.393	.368
40	.439	.491	.554	.533	.487	.459
42	.543	.594	.661	.644	.597	.567
44	.666	.714	.781	.769	.723	.692
46	.811	.864	.918	.911	.868	.838
48	.979	1.015	1.072	1.069	1.033	1.005
50	1.17	1.20	1.24	1.25	1.22	1.20
52	1.40	1.41	1.44	1.44	1.43	1.41
54	1.66	1.66	1.68	1.66	1.66	1.66
56	1.95	1.93	1.90	1.90	1.91	1.93
58	2.29	2.26	2.17	2.16	2.20	2.24
60	2.87	2.60	2.48	2.44	2.51	2.58
62	3.09	3.00	2.82	2.78	2.86	2.95
64	3.57	3.44	3.19	3.10	3.22	3.38
66	4.11	3.94	3.61	3.47	3.62	3.81
68	4.71	4.49	4.06	3.88	4.05	4.30
70	5.38	5.11	4.57	4.32	4.52	4.84
72	6.12	5.79	5.13	4.80	5.03	5.41
74	6.93	6.54	5.74	5.32	5.57	6.04
76	7.84	7.37	6.41	5.88	6.15	6.71
78	8.83	8.28	7.14	6.49	6.78	7.43
80	9.92	9.28	7.96	7.16	7.45	8.21
82	11.1	10.4	8.8	7.9	8.2	9.0
84	12.4	11.6	9.8	8.6	8.9	8.9
86	13.8	12.9	10.8	9.5	9.8	10.9
88	15.4	14.3	11.9	10.4	10.6	11.9
90	17.1	15.8	13.2	11.3	11.6	12.9

Table D.7. Axle load equivalency factors for flexible pavements, single axles and p_f of 3.0.

Axle Load (kips)	Pavement Structural Number (SN)					
	1	2	3	4	5	8
2	.0008	.0009	.0006	.0003	.0002	.0002
4	.004	.008	.005	.004	.002	.002
6	.014	.030	.028	.018	.012	.010
8	.035	.070	.080	.065	.040	.034
10	.082	.132	.168	.132	.101	.086
12	.173	.231	.296	.260	.212	.187
14	.332	.388	.468	.447	.391	.358
16	.694	.633	.695	.693	.651	.622
18	1.00	1.00	1.00	1.00	1.00	1.00
20	1.80	1.53	1.41	1.38	1.44	1.51
22	2.47	2.29	1.96	1.83	1.97	2.16
24	3.67	3.33	2.69	2.39	2.60	2.96
26	5.29	4.72	3.65	3.08	3.33	3.91
28	7.43	6.56	4.88	3.93	4.17	5.00
30	10.2	8.9	6.5	6.0	5.1	6.3
32	13.8	12.0	8.4	6.2	6.3	7.7
34	18.2	16.7	10.9	7.8	7.8	9.3
36	23.8	20.4	14.0	9.7	9.1	11.0
38	30.6	26.2	17.7	11.9	11.0	13.0
40	38.8	33.2	22.2	14.6	13.1	15.3
42	48.8	41.6	27.6	17.8	16.6	17.8
44	60.6	61.6	34.0	21.6	18.4	20.6
46	74.7	63.4	41.5	26.1	21.6	23.8
48	91.2	77.3	50.3	31.3	26.4	27.4
50	110.	94.	61.	37.	30.	32.

Table D.8. Axle load equivalency factors for flexible pavements, tandem axles and p_f of 3.0.

Axle Load (kips)	Pavement Structural Number (SN)					
	1	2	3	4	5	6
2	.0002	.0002	.0001	.0001	.0000	.0000
4	.001	.001	.001	.000	.000	.000
6	.003	.004	.003	.002	.001	.001
8	.006	.011	.009	.005	.003	.003
10	.011	.024	.020	.012	.008	.007
12	.019	.042	.039	.024	.017	.014
14	.031	.066	.068	.045	.032	.026
16	.049	.096	.109	.076	.055	.046
18	.075	.134	.164	.121	.090	.076
20	.113	.181	.232	.182	.139	.119
22	.166	.241	.313	.260	.205	.178
24	.238	.317	.407	.358	.292	.257
26	.333	.413	.517	.476	.402	.360
28	.467	.534	.643	.614	.538	.492
30	.616	.684	.788	.773	.702	.658
32	.817	.870	.956	.953	.896	.856
34	1.07	1.10	1.16	1.15	1.12	1.09
36	1.38	1.38	1.38	1.38	1.38	1.38
38	1.75	1.71	1.64	1.62	1.66	1.70
40	2.21	2.11	1.94	1.89	1.98	2.08
42	2.75	2.59	2.29	2.19	2.33	2.50
44	3.39	3.15	2.70	2.52	2.71	2.97
46	4.15	3.81	3.16	2.89	3.13	3.50
48	5.04	4.58	3.70	3.29	3.57	4.07
50	6.08	5.47	4.31	3.74	4.05	4.70
52	7.27	6.49	5.01	4.24	4.57	5.37
54	8.66	7.67	6.81	4.79	5.13	6.10
56	10.2	9.0	6.7	5.4	5.7	6.9
58	12.0	10.6	7.7	6.1	6.4	7.7
60	14.1	12.3	8.9	8.8	7.1	8.6
62	16.3	14.2	10.2	7.7	7.8	9.5
64	18.9	16.4	11.6	8.6	8.6	10.6
55	21.8	18.9	13.2	9.8	9.5	11.6
68	25.1	21.7	15.0	10.7	10.5	12.7
70	28.7	24.7	17.0	12.0	11.5	13.9
72	32.7	28.1	19.2	13.3	12.6	15.2
74	37.2	31.9	21.6	14.8	13.8	16.5
76	42.1	36.0	24.3	16.4	15.1	17.9
78	47.6	40.6	27.3	18.2	16.5	19.4
80	53.4	45.7	30.5	20.1	18.0	21.0
82	60.0	61.2	34.0	22.2	19.6	22.7
84	67.1	57.2	37.9	24.6	21.3	24.5
86	74.9	63.8	42.1	27.1	23.2	26.4
88	83.4	71.0	46.7	29.8	25.2	28.4
90	92.7	78.8	51.7	32.7	27.4	30.5

Table D.9. Axle load equivalency factors for flexible pavements,
~~tandem~~ ^{TRIPLE} axles and p_f of 3.0.

Axle Load (kips)	Pavement Structural Number (SN)					
	1	2	3	4	5	8
2	.0001	.0001	.0001	.0000	.0000	.0000
4	.0005	.0004	.0003	.0002	.0001	.0001
6	.001	.001	.001	.001	.000	.000
8	.003	.004	.002	.001	.001	.001
10	.005	.008	.005	.003	.002	.002
12	.007	.014	.010	.006	.004	.003
14	.011	.023	.018	.011	.007	.008
18	.018	.035	.030	.018	.013	.010
18	.022	.060	.047	.029	.020	.017
20	.031	.069	.069	.044	.031	.028
22	.043	.090	.097	.065	.048	.039
24	.069	.116	.132	.092	.066	.056
26	.079	.145	.174	.128	.092	.078
28	.104	.179	.223	.168	.126	.107
30	.136	.218	.279	.219	.187	.143
32	.176	.265	.342	.279	.218	.188
34	.228	.319	.413	.350	.279	.243
36	.288	.382	.491	.432	.352	.310
38	.359	.466	.577	.524	.437	.389
40	.447	.543	.671	.626	.536	.483
42	.550	.843	.775	.740	.649	.593
44	.673	.760	.889	.865	.777	.720
46	.817	.894	1.014	1.001	.920	.865
48	.984	1.048	1.152	1.148	1.080	1.030
50	1.18	1.23	1.30	1.31	1.26	1.22
52	1.40	1.43	1.47	1.48	1.45	1.43
54	1.66	1.66	1.66	1.66	1.68	1.66
56	1.95	1.92	1.86	1.85	1.88	1.91
58	2.28	2.21	2.09	2.06	2.13	2.20
60	2.88	2.54	2.34	2.28	2.39	2.50
62	3.08	2.92	2.61	2.52	2.66	2.84
64	3.58	3.33	2.92	2.77	2.98	3.19
68	4.09	3.79	3.25	3.04	3.27	3.58
88	4.68	4.31	3.82	3.33	3.60	4.00
70	5.34	4.88	4.02	3.64	3.94	4.44
72	6.08	5.51	4.46	3.97	4.31	4.91
74	6.89	6.21	4.94	4.32	4.69	5.40
76	7.78	6.98	5.47	4.70	5.09	5.93
78	8.76	7.83	6.04	5.11	5.51	6.48
80	9.84	8.75	6.67	5.54	5.96	7.06
82	11.0	9.8	7.4	6.0	6.4	7.7
84	12.3	10.9	8.1	6.5	6.9	8.3
86	13.7	12.1	8.9	7.0	7.4	9.0
88	15.3	13.4	9.8	7.6	8.0	9.6
90	16.9	14.8	10.7	8.2	8.6	10.4

Table D.10. Axle load equivalency factors for rigid pavements, single axles and p_f of 2.0.

Axle Load (kips)	Slab Thickness, D (inches)								
	6	7	8	9	10	11	12	13	14
2	.0002	.0002	.0002	.0002	.0002	.0002	.0002	.0002	.0002
4	.002	.002	.002	.002	.002	.002	.002	.002	.002
6	.011	.010	.010	.010	.010	.010	.010	.010	.010
8	.035	.033	.032	.032	.032	.032	.032	.032	.032
10	.087	.084	.082	.081	.080	.080	.080	.080	.080
12	.186	.180	.176	.175	.174	.174	.173	.173	.173
14	.353	.346	.341	.338	.337	.336	.338	.336	.336
16	.614	.609	.604	.601	.599	.599	.598	.598	.598
18	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
20	1.55	1.56	1.67	1.58	1.58	1.59	1.59	1.59	1.69
22	2.32	2.32	2.35	2.38	2.40	2.41	2.41	2.41	2.42
24	3.37	3.34	3.40	3.47	3.51	3.53	3.54	3.56	3.56
26	4.76	4.69	4.77	4.88	4.97	5.02	5.04	5.06	5.06
28	6.58	6.44	6.52	6.70	6.86	6.94	7.00	7.02	7.04
30	8.92	8.68	8.74	8.98	9.23	9.39	9.48	9.54	9.56
32	11.9	11.5	11.5	11.8	12.2	12.4	12.6	12.7	12.7
34	16.5	15.0	14.9	15.3	15.8	16.2	16.4	16.6	16.7
36	20.1	19.3	19.2	19.5	20.1	20.7	21.1	21.4	21.5
38	25.6	24.6	24.3	24.6	25.4	26.1	26.7	27.1	27.4
40	32.2	30.8	30.4	30.7	31.6	32.6	33.4	34.0	34.4
42	40.1	38.4	37.7	38.0	38.9	40.1	41.3	42.1	42.7
44	49.4	47.3	46.4	46.6	47.8	49.0	50.4	51.6	52.4
46	60.4	57.7	56.6	56.7	57.7	59.3	61.1	62.6	63.7
48	73.2	69.9	68.4	68.4	69.4	71.2	73.3	76.3	76.8
50	88.0	84.1	82.2	82.0	83.0	84.9	87.4	89.8	91.7

Table D.11. Axle load equivalency factors for rigid pavements, tandem axles and p_f of 2.0.

Axle Load (kips)	Sleeb Thickness, D (inches)								
	6	7	8	9	10	11	12	13	14
2	.0001	.0001	.0001	.0001	.0001	.0001	.0001	.0001	.0001
4	.0006	.0006	.0006	.0005	.0005	.0006	.0005	.0006	.0006
5	.002	.002	.002	.002	.002	.002	.002	.002	.002
8	.006	.006	.005	.005	.006	.006	.006	.006	.005
10	.014	.013	.013	.012	.012	.012	.012	.012	.012
12	.028	.026	.026	.025	.025	.026	.025	.025	.026
14	.051	.049	.048	.047	.047	.047	.047	.047	.047
16	.087	.084	.082	.081	.081	.080	.080	.080	.080
18	.141	.136	.133	.132	.131	.131	.131	.131	.131
20	.216	.210	.206	.204	.203	.203	.203	.203	.203
22	.319	.313	.307	.306	.304	.303	.303	.303	.303
24	.454	.449	.444	.441	.440	.439	.439	.439	.439
26	.629	.626	.622	.620	.618	.618	.618	.618	.618
28	.852	.851	.850	.860	.850	.849	.849	.849	.849
30	1.13	1.13	1.14	1.14	1.14	1.14	1.14	1.14	1.14
32	1.48	1.48	1.49	1.50	1.51	1.51	1.51	1.61	1.61
34	1.90	1.90	1.93	1.95	1.96	1.97	1.97	1.97	1.97
36	2.42	2.41	2.45	2.49	2.51	2.52	2.53	2.53	2.53
38	3.04	3.02	3.07	3.13	3.17	3.19	3.20	3.20	3.21
40	3.79	3.74	3.80	3.89	3.95	3.98	4.00	4.01	4.01
42	4.67	4.59	4.66	4.78	4.87	4.93	4.95	4.97	4.97
44	6.72	5.59	5.67	6.82	5.95	6.03	6.07	6.09	8.10
46	6.94	6.76	6.83	7.02	7.20	7.31	7.37	7.41	7.43
48	8.36	8.12	8.17	8.40	8.63	8.79	8.88	8.93	8.96
50	10.00	9.69	9.72	9.98	10.27	10.49	10.62	10.69	10.73
52	11.9	11.5	11.5	11.8	12.1	12.4	12.6	12.7	12.8
54	14.0	13.5	13.5	13.8	14.2	14.6	14.9	16.0	16.1
56	16.5	16.9	16.8	16.1	16.6	17.1	17.4	17.6	17.7
58	19.3	18.5	18.4	18.7	19.3	19.8	20.3	20.5	20.7
60	22.4	21.5	21.3	21.6	22.3	22.9	23.5	23.8	24.0
62	25.9	24.9	24.6	24.9	25.6	28.4	27.0	27.5	27.7
64	29.9	28.6	28.2	28.5	29.3	30.2	31.0	31.6	31.9
68	34.3	32.8	32.3	32.6	33.4	34.4	36.4	36.1	36.6
68	39.2	37.6	36.8	37.1	37.9	39.1	40.2	41.1	41.6
70	44.6	42.7	41.9	42.1	42.9	44.2	45.6	48.6	47.3
72	50.6	48.4	47.5	47.6	48.6	49.9	61.4	62.8	63.6
74	57.3	54.7	53.6	63.6	64.6	66.1	57.7	69.2	60.3
76	64.6	61.7	60.4	60.3	61.2	62.8	64.7	66.4	67.7
78	72.5	69.3	67.8	67.7	68.6	70.2	72.3	74.3	75.8
80	81.3	77.6	75.9	76.7	76.6	78.3	80.8	82.8	84.7
82	90.9	86.7	84.7	84.4	85.3	87.1	89.8	92.1	94.2
84	101.	97.	94.	94.	95.	97.	89.	102.	106.
86	113.	107.	105.	104.	106.	107.	110.	113.	116.
88	125.	119.	116.	116.	116.	118.	121.	125.	128.
90	138.	132.	129.	128.	129.	131.	134.	137.	141.

Table D.12. Axle load equivalency factors for rigid pavements, triple axles and p_t of 2.0.

Axle Load (kips)	Slab Thickness, D (inches)								
	6	7	8	9	10	11	12	13	14
2	.0001	.0001	.0001	.0001	.0001	.0001	.0001	.0001	.0001
4	.0003	.0003	.0003	.0003	.0003	.0003	.0003	.0003	.0003
6	.0010	.0009	.0009	.0009	.0009	.0009	.0009	.0009	.0009
8	.002	.002	.002	.002	.002	.002	.002	.002	.002
10	.005	.005	.005	.005	.005	.005	.005	.005	.005
12	.010	.010	.009	.009	.009	.009	.009	.009	.009
14	.018	.017	.017	.016	.016	.016	.016	.016	.016
16	.030	.029	.028	.027	.027	.027	.027	.027	.027
18	.047	.045	.044	.044	.043	.043	.043	.043	.043
20	.072	.069	.067	.066	.066	.066	.066	.066	.066
22	.105	.101	.099	.098	.097	.097	.097	.097	.097
24	.149	.144	.141	.139	.139	.138	.138	.138	.138
26	.206	.199	.195	.194	.193	.192	.192	.192	.192
28	.276	.270	.265	.263	.262	.262	.262	.262	.261
30	.364	.369	.354	.351	.350	.349	.349	.349	.349
32	.472	.468	.463	.460	.459	.458	.458	.458	.458
34	.603	.600	.596	.594	.593	.592	.592	.592	.592
36	.759	.758	.757	.756	.756	.755	.755	.756	.756
38	.946	.947	.949	.950	.951	.951	.951	.951	.951
40	1.17	1.17	1.18	1.18	1.18	1.18	1.18	1.18	1.19
42	1.42	1.43	1.44	1.46	1.46	1.46	1.46	1.46	1.46
44	1.73	1.73	1.75	1.77	1.78	1.78	1.79	1.79	1.79
46	2.08	2.07	2.10	2.13	2.15	2.16	2.16	2.16	2.17
48	2.48	2.47	2.51	2.65	2.58	2.59	2.80	2.60	2.61
50	2.95	2.92	2.97	3.03	3.07	3.09	3.10	3.11	3.11
52	3.48	3.44	3.50	3.68	3.63	3.66	3.88	3.69	3.69
54	4.09	4.03	4.09	4.20	4.27	4.31	4.33	4.36	4.35
56	4.78	4.69	4.76	4.89	4.99	5.05	6.08	5.09	5.10
58	5.57	5.44	5.51	5.86	5.79	6.87	6.91	6.94	6.95
60	6.45	6.29	6.36	6.53	6.89	6.79	8.86	6.88	6.90
62	7.43	7.23	7.28	7.49	7.69	7.82	7.90	7.94	7.97
64	8.54	8.28	8.32	8.55	8.80	8.97	9.07	8.13	9.16
66	9.76	9.48	9.48	9.73	10.02	10.24	10.37	10.44	10.48
68	11.1	10.8	10.8	11.0	11.4	11.6	11.8	11.9	12.0
70	12.6	12.2	12.2	12.5	12.8	13.2	13.4	13.5	13.6
72	14.3	13.8	13.7	14.0	14.5	14.9	15.1	15.3	15.4
74	16.1	15.5	15.4	15.7	16.2	16.7	17.0	17.2	17.3
76	18.2	17.5	17.3	17.6	18.2	18.7	19.1	19.3	19.5
78	20.4	19.6	19.4	19.7	20.3	20.9	21.4	21.7	21.8
80	22.8	21.9	21.6	21.9	22.6	23.3	23.8	24.2	24.4
82	25.4	24.4	24.1	24.4	25.0	25.8	26.6	26.9	27.2
84	28.3	27.1	26.7	27.0	27.7	28.6	29.4	29.9	30.2
86	31.4	30.1	29.6	29.9	30.7	31.6	32.6	33.1	33.6
88	34.8	33.3	32.8	33.0	33.8	34.8	35.8	36.6	37.1
90	38.5	36.8	36.2	36.4	37.2	38.3	39.4	40.3	40.9

Table D.13. Axle load equivalency factors for rigid pavements, single axles and p_f of 2.5.

Axle Load (kips)	Slab Thickness, D (inches)								
	8	7	8	9	10	11	12	13	14
2	.0002	.0002	.0002	.0002	.0002	.0002	.0002	.0002	.0002
4	.003	.002	.002	.002	.002	.002	.002	.002	.002
5	.012	.011	.010	.010	.010	.010	.010	.010	.010
8	.039	.035	.033	.032	.032	.032	.032	.032	.032
10	.097	.089	.084	.082	.081	.080	.080	.080	.080
12	.203	.189	.181	.175	.175	.174	.174	.173	.173
14	.376	.360	.347	.341	.338	.337	.335	.336	.336
16	.834	.623	.610	.604	.501	.599	.599	.599	.598
18	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
20	1.61	1.52	1.55	1.57	1.58	1.58	1.59	1.59	1.59
22	2.21	2.20	2.28	2.34	2.38	2.40	2.41	2.41	2.41
24	3.18	3.10	3.22	3.36	3.45	3.50	3.53	3.54	3.65
25	4.41	4.26	4.42	4.57	4.85	4.95	5.01	5.04	5.05
28	8.06	6.76	6.92	5.29	6.61	5.81	5.92	5.98	7.01
30	8.16	7.57	7.79	8.28	8.79	9.14	9.35	9.45	9.52
32	10.8	10.1	10.1	10.7	11.4	12.0	12.3	12.6	12.7
34	14.1	13.0	12.9	13.5	14.5	15.4	15.0	16.4	16.5
35	18.2	18.7	16.4	17.1	18.3	19.5	20.4	21.0	21.3
38	23.1	21.1	20.5	21.3	22.7	24.3	25.6	28.4	27.0
40	29.1	25.5	25.7	26.3	27.9	29.9	31.6	32.9	33.7
42	36.2	32.9	31.7	32.2	34.0	36.3	38.7	40.4	41.8
44	44.6	40.4	38.8	39.2	41.0	43.8	46.7	49.1	50.8
48	54.5	49.3	47.1	47.3	48.2	52.3	55.9	59.0	51.4
48	85.1	59.7	55.9	56.8	58.7	62.1	66.3	70.3	73.4
50	79.4	71.7	68.2	67.8	69.5	73.3	78.1	83.0	87.1

Table D.14. Axle load equivalency factors for rigid pavements, tandem axles and p_f of 2.5.

Axle Load (kips)	Slab Thickness, D (inches)								
	6	7	8	9	10	11	12	13	14
2	.0001	.0001	.0001	.0001	.0001	.0001	.0001	.0001	.0001
4	.0008	.0006	.0005	.0005	.0005	.0005	.0005	.0005	.0005
6	.002	.002	.002	.002	.002	.002	.002	.002	.002
8	.007	.005	.006	.005	.005	.005	.005	.005	.005
10	.015	.014	.013	.013	.012	.012	.012	.012	.012
12	.031	.028	.026	.025	.025	.025	.025	.025	.025
14	.057	.052	.049	.048	.047	.047	.047	.047	.047
16	.097	.089	.084	.082	.081	.081	.080	.080	.080
18	.155	.143	.136	.133	.132	.131	.131	.131	.131
20	.234	.220	.211	.206	.204	.203	.203	.203	.203
22	.340	.325	.313	.308	.305	.304	.303	.303	.303
24	.475	.462	.450	.444	.441	.440	.439	.439	.439
26	.644	.637	.627	.622	.620	.619	.618	.618	.618
28	.855	.854	.852	.850	.850	.850	.849	.849	.849
30	1.11	1.12	1.13	1.14	1.14	1.14	1.14	1.14	1.14
32	1.43	1.44	1.47	1.49	1.50	1.51	1.51	1.51	1.51
34	1.82	1.82	1.87	1.92	1.95	1.96	1.97	1.97	1.97
36	2.29	2.27	2.35	2.43	2.48	2.51	2.52	2.52	2.53
38	2.85	2.80	2.91	3.03	3.12	3.15	3.18	3.20	3.20
40	3.52	3.42	3.55	3.74	3.87	3.94	3.98	4.00	4.01
42	4.32	4.16	4.30	4.55	4.74	4.85	4.91	4.95	4.95
44	5.26	5.01	5.16	5.48	5.75	5.92	6.01	6.06	6.09
48	6.36	6.01	6.14	6.53	6.90	7.14	7.28	7.35	7.40
48	7.64	7.16	7.27	7.73	8.21	8.55	8.75	8.86	8.92
50	9.11	8.50	8.55	9.07	9.58	10.14	10.42	10.58	10.66
52	10.8	10.0	10.0	10.6	11.3	11.9	12.3	12.5	12.7
54	12.8	11.8	11.7	12.3	13.2	13.9	14.5	14.8	14.9
56	15.0	13.8	13.8	14.2	15.2	16.2	16.8	17.3	17.5
58	17.5	15.0	15.7	16.3	17.5	18.6	19.5	20.1	20.4
60	20.3	18.5	18.1	18.7	20.0	21.4	22.5	23.2	23.5
62	23.5	21.4	20.8	21.4	22.8	24.4	25.7	26.7	27.3
64	27.0	24.6	23.8	24.4	25.8	27.7	29.3	30.5	31.3
66	31.0	28.1	27.1	27.5	29.2	31.3	33.2	34.7	35.7
68	36.4	32.1	30.9	31.3	32.9	35.2	37.5	39.3	40.5
70	40.3	36.5	35.0	35.3	37.0	39.5	42.1	44.3	45.9
72	46.7	41.4	39.6	39.8	41.5	44.2	47.2	49.8	51.7
74	51.7	46.7	44.6	44.7	46.4	49.3	52.7	56.7	58.0
76	58.3	52.6	50.2	50.1	51.8	54.9	58.6	62.1	64.8
78	65.5	59.1	56.3	56.1	57.7	60.9	65.0	69.0	72.3
80	73.4	66.2	62.9	62.5	64.2	67.5	71.9	75.4	80.2
82	82.0	73.9	70.2	69.6	71.2	74.7	79.4	84.4	88.8
84	91.4	82.4	78.1	77.3	78.9	82.4	87.4	93.0	98.1
86	102.	92.	87.	86.	87.	91.	96.	102.	108.
88	113.	102.	96.	95.	96.	100.	105.	112.	119.
90	125.	112.	105.	105.	105.	110.	115.	123.	130.

Table D.15. Axle load equivalency factors for rigid pavements, triple axles and p_t of 2.5.

Axle Load (kips)	Slab Thickness, D (inches)								
	6	7	8	9	10	11	12	13	14
2	.0001	.0001	.0001	.0001	.0001	.0001	.0001	.0001	.0001
4	.0003	.0003	.0003	.0003	.0003	.0003	.0003	.0003	.0003
6	.001	.001	.001	.001	.001	.001	.001	.001	.001
8	.003	.002	.002	.002	.002	.002	.002	.002	.002
10	.006	.005	.005	.005	.005	.005	.005	.005	.005
12	.011	.010	.010	.009	.009	.009	.009	.009	.009
14	.020	.018	.017	.017	.016	.016	.016	.016	.016
16	.033	.030	.029	.028	.027	.027	.027	.027	.027
18	.053	.048	.045	.044	.044	.043	.043	.043	.043
20	.080	.073	.069	.067	.066	.066	.066	.066	.066
22	.116	.107	.101	.099	.098	.097	.097	.097	.097
24	.183	.151	.144	.141	.139	.139	.138	.138	.138
26	.222	.209	.200	.195	.194	.193	.192	.192	.192
28	.295	.281	.271	.265	.263	.262	.262	.262	.262
30	.384	.371	.359	.354	.351	.350	.349	.349	.349
32	.490	.480	.468	.463	.460	.459	.458	.458	.458
34	.616	.609	.601	.596	.594	.593	.592	.592	.592
36	.786	.762	.759	.757	.756	.766	.755	.755	.766
38	.939	.941	.946	.948	.950	.961	.951	.951	.961
40	1.14	1.15	1.16	1.17	1.18	1.18	1.18	1.18	1.18
42	1.38	1.38	1.41	1.44	1.45	1.46	1.46	1.46	1.46
44	1.65	1.66	1.70	1.74	1.77	1.78	1.78	1.78	1.79
46	1.97	1.96	2.03	2.09	2.13	2.15	2.16	2.16	2.16
48	2.34	2.31	2.40	2.49	2.55	2.58	2.59	2.60	2.60
50	2.76	2.71	2.81	2.94	3.02	3.07	3.09	3.10	3.11
52	3.24	3.15	3.27	3.44	3.56	3.62	3.66	3.68	3.68
54	3.79	3.66	3.79	4.00	4.16	4.26	4.30	4.33	4.34
56	4.41	4.23	4.37	4.63	4.84	4.97	5.03	5.07	5.09
58	5.12	4.87	5.00	5.32	5.59	5.76	5.85	5.90	5.93
60	5.91	5.59	5.71	6.08	6.42	6.64	6.77	6.84	6.87
62	6.80	6.39	6.50	6.91	7.33	7.62	7.79	7.88	7.93
64	7.78	7.29	7.37	7.82	8.33	8.70	8.92	9.04	9.11
66	8.90	8.28	8.33	8.83	9.42	9.88	10.17	10.33	10.42
68	10.1	9.4	9.4	9.9	10.6	11.2	11.5	11.7	11.9
70	11.5	10.6	10.6	11.1	11.9	12.6	13.0	13.3	13.5
72	13.0	12.0	11.8	12.4	13.3	14.1	14.7	15.0	15.2
74	14.6	13.5	13.2	13.8	14.8	15.8	16.5	16.9	17.1
76	18.6	16.1	14.8	15.4	16.5	17.6	18.4	18.9	19.2
78	18.5	16.9	16.5	17.1	18.2	19.6	20.5	21.1	21.5
80	20.6	18.8	18.3	18.9	20.2	21.6	22.7	23.5	24.0
82	23.0	21.0	20.3	20.9	22.2	23.8	25.2	26.1	26.7
84	25.6	23.3	22.5	23.1	24.5	26.2	27.8	28.9	29.6
86	28.4	25.8	24.9	25.4	26.9	28.8	30.5	31.9	32.6
88	31.5	28.6	27.5	27.9	29.4	31.5	33.6	35.1	36.1
90	34.8	31.5	30.3	30.7	32.2	34.4	36.7	38.5	39.8

Table D.16. Axle load equivalency factors for rigid pavements, single axles and p_t of 3.0.

Axle Load (kips)	Slab Thickness, D (inches)								
	6	7	8	9	10	11	12	13	14
2	.0003	.0002	.0002	.0002	.0002	.0002	.0002	.0002	.0002
4	.003	.003	.002	.002	.002	.002	.002	.002	.002
6	.014	.012	.011	.010	.010	.010	.010	.010	.010
8	.045	.038	.034	.033	.032	.032	.032	.032	.032
10	.111	.095	.087	.083	.081	.081	.080	.080	.080
12	.228	.202	.186	.179	.176	.174	.174	.174	.173
14	.408	.378	.365	.344	.340	.337	.337	.336	.336
16	.680	.640	.619	.608	.603	.600	.599	.599	.599
18	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
20	1.46	1.47	1.52	1.55	1.57	1.58	1.58	1.59	1.59
22	2.07	2.06	2.18	2.29	2.35	2.38	2.40	2.41	2.41
24	2.90	2.81	3.00	3.23	3.38	3.47	3.51	3.53	3.54
26	4.00	3.77	4.01	4.40	4.70	4.87	4.96	5.01	5.04
28	5.43	4.99	5.23	5.80	6.31	6.66	6.83	6.93	6.98
30	7.27	6.53	6.72	7.48	8.26	8.83	9.17	9.36	9.48
32	9.59	8.47	8.53	9.42	10.54	11.44	12.03	12.37	12.56
34	12.5	10.9	10.7	11.7	13.2	14.5	15.5	16.0	16.4
36	16.0	13.8	13.4	14.4	16.2	18.1	19.5	20.4	21.0
38	20.4	17.4	16.7	17.7	19.8	22.2	24.2	25.8	26.4
40	25.6	21.8	20.6	21.5	23.8	26.8	29.5	31.5	32.9
42	31.8	26.9	25.3	26.0	28.5	32.0	35.5	38.4	40.3
44	39.2	33.1	30.8	31.3	33.9	37.9	42.3	46.1	48.8
46	47.8	40.3	37.2	37.5	40.1	44.5	49.8	54.7	58.5
48	57.9	48.6	44.8	44.7	47.3	52.1	58.2	64.3	69.4
50	69.6	58.4	53.6	53.1	55.6	60.6	67.6	76.0	81.4

Table D.17. Axle load equivalency factors for rigid pavements, tandem axles and p_t of 3.0.

Axle Load (kips)	Sleeb Thickness, D (Inches)									
	6	7	8	9	10	11	12	13	14	
2	.0001	.0001	.0001	.0001	.0001	.0001	.0001	.0001	.0001	.0001
4	.0007	.0006	.0005	.0006	.0006	.0005	.0005	.0006	.0005	.0005
6	.003	.002	.002	.002	.002	.002	.002	.002	.002	.002
8	.008	.006	.006	.006	.005	.005	.005	.005	.005	.005
10	.018	.015	.013	.013	.013	.012	.012	.012	.012	.012
12	.036	.030	.027	.026	.026	.025	.025	.026	.025	.025
14	.066	.056	.050	.048	.047	.047	.047	.047	.047	.047
16	.111	.095	.087	.083	.081	.081	.081	.080	.080	.080
18	.174	.153	.140	.135	.132	.131	.131	.131	.131	.131
20	.260	.234	.217	.209	.206	.204	.203	.203	.203	.203
22	.368	.341	.321	.311	.307	.305	.304	.303	.303	.303
24	.502	.479	.468	.447	.443	.440	.440	.439	.439	.439
26	.664	.651	.634	.625	.621	.619	.618	.618	.618	.618
28	.869	.857	.853	.861	.850	.850	.850	.849	.849	.849
30	1.09	1.10	1.12	1.13	1.14	1.14	1.14	1.14	1.14	1.14
32	1.38	1.38	1.44	1.47	1.49	1.60	1.51	1.61	1.51	1.51
34	1.72	1.71	1.80	1.88	1.93	1.95	1.96	1.97	1.97	1.97
36	2.13	2.10	2.23	2.36	2.46	2.49	2.51	2.62	2.62	2.62
38	2.62	2.54	2.71	2.92	3.06	3.13	3.17	3.19	3.20	3.20
40	3.21	3.06	3.26	3.55	3.76	3.89	3.95	3.98	4.00	4.00
42	3.90	3.65	3.87	4.26	4.68	4.77	4.87	4.92	4.96	4.96
44	4.72	4.35	4.67	5.06	5.50	5.78	6.94	6.02	6.06	6.06
46	6.68	6.16	5.96	5.95	6.64	6.94	7.17	7.29	7.36	7.36
48	8.80	6.10	6.26	6.93	7.69	8.24	8.57	8.76	8.86	8.86
60	8.09	7.17	7.26	8.03	8.96	9.70	10.17	10.43	10.68	10.68
62	9.57	8.41	8.40	9.24	10.36	11.32	11.96	12.33	12.64	12.64
64	11.3	9.8	9.7	10.6	11.9	13.1	14.0	14.5	14.8	14.8
56	13.2	11.4	11.2	12.1	13.6	15.1	16.2	16.9	17.3	17.3
68	16.4	13.2	12.8	13.7	15.4	17.2	18.6	19.5	20.1	20.1
60	17.9	16.3	14.7	15.6	17.4	19.5	21.3	22.6	23.2	23.2
62	20.6	17.6	16.8	17.6	19.6	22.0	24.1	25.7	26.6	26.6
64	23.7	20.2	19.1	19.9	22.0	24.7	27.3	29.2	30.4	30.4
66	27.2	23.1	21.7	22.4	24.6	27.6	30.6	33.0	34.6	34.6
68	31.1	26.3	24.6	25.2	27.4	30.8	34.3	37.1	39.2	39.2
70	36.4	29.8	27.8	28.2	30.6	34.2	38.2	41.6	44.1	44.1
72	40.1	33.8	31.3	31.6	34.0	37.9	42.3	46.4	49.4	49.4
74	46.3	38.1	35.2	36.4	37.7	41.8	46.8	51.5	66.2	66.2
76	61.1	42.9	39.5	39.6	41.8	46.1	61.5	56.9	61.3	61.3
78	57.4	48.2	44.3	44.0	46.3	60.7	56.6	62.7	67.9	67.9
80	64.3	53.9	49.4	48.9	51.1	55.8	62.1	68.9	74.9	74.9
82	71.8	60.2	55.1	64.3	66.5	61.2	67.9	76.6	82.4	82.4
84	80.0	67.0	61.2	60.2	62.2	67.0	74.2	82.4	90.3	90.3
86	89.0	74.5	67.9	66.5	68.5	73.4	80.8	89.8	98.7	98.7
88	98.7	82.5	75.2	73.5	75.3	80.2	88.0	97.7	107.6	107.6
90	109.	91.	83.	81.	83.	88.	95.	106.	117.	117.

Table D.18. Axle load equivalency factors for rigid pavements, triple axles and p_f of 3.0.

Axle Load (kips)	Slab Thickness, D (inches)								
	6	7	8	9	10	11	12	13	14
2	.0001	.0001	.0001	.0001	.0001	.0001	.0001	.0001	.0001
4	.0004	.0003	.0003	.0003	.0003	.0003	.0003	.0003	.0003
6	.001	.001	.001	.001	.001	.001	.001	.001	.001
8	.003	.003	.002	.002	.002	.002	.002	.002	.002
10	.007	.006	.005	.005	.005	.005	.005	.005	.005
12	.013	.011	.010	.009	.009	.009	.009	.009	.009
14	.023	.020	.018	.017	.017	.016	.016	.016	.016
16	.039	.033	.030	.028	.028	.027	.027	.027	.027
18	.061	.052	.047	.045	.044	.044	.043	.043	.043
20	.091	.078	.071	.068	.067	.068	.066	.066	.065
22	.132	.114	.104	.100	.098	.097	.097	.097	.097
24	.183	.161	.148	.143	.140	.139	.139	.138	.138
26	.245	.221	.206	.198	.195	.193	.193	.182	.192
28	.322	.295	.277	.258	.265	.253	.262	.252	.262
30	.411	.387	.367	.357	.353	.351	.350	.349	.349
32	.515	.496	.476	.466	.462	.460	.459	.458	.458
34	.634	.622	.607	.599	.595	.594	.593	.592	.592
36	.772	.768	.762	.758	.755	.758	.755	.755	.755
38	.930	.934	.942	.947	.949	.950	.951	.951	.951
40	1.11	1.12	1.15	1.17	1.18	1.18	1.18	1.18	1.18
42	1.32	1.33	1.38	1.42	1.44	1.45	1.46	1.45	1.45
44	1.56	1.66	1.64	1.71	1.75	1.77	1.78	1.78	1.78
46	1.84	1.83	1.94	2.04	2.10	2.14	2.15	2.16	2.18
48	2.16	2.12	2.26	2.41	2.51	2.56	2.58	2.59	2.60
50	2.53	2.45	2.61	2.82	2.96	3.03	3.07	3.09	3.10
52	2.95	2.82	3.01	3.27	3.47	3.58	3.53	3.68	3.68
54	3.43	3.23	3.43	3.77	4.03	4.18	4.27	4.31	4.33
56	3.98	3.70	3.90	4.31	4.55	4.85	4.98	5.04	5.07
58	4.59	4.22	4.42	4.90	5.34	5.62	5.78	5.86	5.90
60	5.28	4.80	4.99	5.54	6.08	6.45	6.56	6.78	6.84
62	6.06	5.46	5.61	6.23	6.89	7.38	7.54	7.80	7.88
64	6.92	6.18	6.29	6.98	7.76	8.38	8.72	8.93	9.04
66	7.89	6.98	7.05	7.78	8.70	9.44	9.91	10.18	10.33
68	8.96	7.88	7.87	8.66	9.71	10.61	11.20	11.55	11.76
70	10.2	8.9	8.8	9.6	10.8	11.9	12.6	13.1	13.3
72	11.6	10.0	9.8	10.6	12.0	13.2	14.1	14.7	15.0
74	12.9	11.2	10.9	11.7	13.2	14.7	15.8	16.5	16.9
76	14.5	12.5	12.1	12.9	14.5	16.2	17.5	18.4	18.9
78	16.2	13.9	13.4	14.2	15.9	17.8	19.4	20.5	21.1
80	18.2	15.5	14.8	15.6	17.4	19.6	21.4	22.7	23.5
82	20.2	17.2	16.4	17.2	19.1	21.4	23.5	25.1	26.1
84	22.5	19.1	18.1	18.8	20.8	23.4	25.8	27.8	28.8
86	25.0	21.2	19.9	20.6	22.8	25.5	28.2	30.4	31.8
88	27.6	23.4	21.9	22.5	24.6	27.7	30.7	33.2	35.0
90	30.5	25.8	24.1	24.6	26.8	30.0	33.4	36.3	38.3