APPENDIX A

TABLE A.1. Deflection Computations for Cut at UCASP7&PINT-1

Point No	Intermediate Deflection (1/1000 in)	Final Deflection (1/1000 in)	Ave Interm Deflection (1/1000 in)	Ave Final Deflection (1/1000 in)	Corrected Deflection (in)	Temp Corrected Deflection (Corr = 1.55)	Seasonal Correction	Final True Deflection
1	8.1 8.2	8.8 8.8	12.3	13.4	0.0185	0.0258	1.28	0.032
2	10.7 12.8	11.8 13.8	23.3	25.8	0.0329	0.0510	1.28	0.064
3	11.1 10.7	12.2 11.8	21.8	24.1	0.0308	0.0475	1.28	0.060
4	10.1 8.4	11.2 10.4	18.5	21.8	0.0278	0.0427	1.28	0.054
5	8.3 8.8	8.5 10.0	17.2	18.5	0.0280	0.0404	1.28	0.051
6	7.8 9.1	9.0 11.0	16.7	20.0	0.0294	0.0458	1.28	0.057
7	6.6 6.8	8.0 8.3	13.4	16.3	0.0248	0.0381	1.28	0.048
8	4.0 4.3	6.0 6.1	8.3	12.1	0.0228	0.0355	1.28	0.045
9	3.6 3.7	5.4 6.0	7.3	11.4	0.0231	0.0358	1.28	0.045

TABLE A.2. Deflection Computations for Cut at UCASPCLI3217-1

Point No	Intermediate Deflection (1/1000 in)	Final Deflection (1/1000 in)	Ave Interim Deflection (1/1000 in)	Ave Final Deflection (1/1000 in)	Corrected Deflection (in)	Temp Corrected Deflection (Corr = 1.81)	Seasonal Correction	Final True Deflection
1	1.0 0.8	1.0 0.8	1.8	1.9	0.0022	0.0035	1.26	0.004
2	1.8 3.0	1.7 3.8	4.8	5.5	0.0081	0.0130	1.26	0.016
3	7.4 6.8	7.8 7.0	14.2	14.8	0.0168	0.0272	1.26	0.034
4	5.3 5.0	5.3 5.1	10.3	10.4	0.0107	0.0172	1.26	0.022
5	6.0 7.0	6.2 7.8	13.0	13.8	0.0161	0.0259	1.26	0.033
6	7.8 7.2	8.5 7.8	15.0	16.1	0.0192	0.0310	1.26	0.039
7	7.8 7.7	7.9 8.1	15.3	16.0	0.0180	0.0290	1.26	0.037
8	7.8 7.7	8.4 8.2	15.6	16.6	0.0194	0.0313	1.26	0.039
9	7.3 7.4	7.8 8.0	14.7	15.8	0.0188	0.0305	1.26	0.038

TABLE A.3. Deflection Computations for Cut at UCASPCLIIIUC-1

Point No	Intermediate Deflection (1/1000 in)	Final Deflection (1/1000 in)	Ave Interm Deflection (1/1000 in)	Ave Final Deflection (1/1000 in)	Corrected Deflection (in)	Temp Corrected Deflection (Corr = 1.26)	Seasonal Correction	Final True Deflection
1	60 51	72 54	120	126	0.0143	0.0180	1.26	0.023
2	32 27	36 31	59	67	0.0090	0.0113	1.26	0.014
3	37 34	42 40	71	82	0.0113	0.0143	1.26	0.018
4	24 26	32 32	49	64	0.0107	0.0134	1.26	0.017
5	17 13	23 20	30	43	0.0080	0.0101	1.26	0.013
6	11 08	16 10	19	26	0.0046	0.0058	1.26	0.007
7	16 14	21 20	30	41	0.0072	0.0091	1.26	0.011
8	24 27	28 33	51	62	0.0093	0.0118	1.26	0.015
9	27 28	30 30	55	60	0.0074	0.0094	1.26	0.012

TABLE A.4. Deflection Computations for Cut at UCASPEMC169-1

Point No	Intermediate Deflection (1/1000 in)	Final Deflection (1/1000 in)	Ave Interm. Deflection (1/1000 in)	Ave Final Deflection (1/1000 in)	Corrected Deflection (in)	Temp Corrected Deflection (Coef = 1.81)	Seasonal Correction	Final True Deflection
1	5.9 6.0	5.9 6.0	11.9	11.8	0.0118	0.0182	1.28	0.024
2	10.5 10.6	10.8 11.0	21.1	21.8	0.0238	0.0383	1.28	0.048
3	8.8 9.2	10.2 9.3	18.0	19.5	0.0209	0.0337	1.28	0.042
4	7.8 7.1	8.7 8.0	14.9	16.7	0.0218	0.0351	1.28	0.044
5	7.7 6.8	8.5 7.5	14.5	16.0	0.0203	0.0328	1.28	0.041
6	7.2 6.7	7.8 7.4	13.9	15.3	0.0193	0.0310	1.28	0.039
7	7.8 7.0	8.3 7.4	14.8	15.7	0.0183	0.0294	1.28	0.037
8	6.0 6.4	6.4 7.0	12.4	13.4	0.0162	0.0262	1.28	0.033
9	7.6 7.5	8.5 8.4	15.1	16.9	0.0220	0.0355	1.28	0.045

TABLE A.5. Deflection Computations for Cut at UCASPEMC173-1

Point No	Intermediate Deflection (1/1000 in)	Final Deflection (1/1000 in)	Ave Interm Deflection (1/1000 in)	Ave Final Deflection (1/1000 in)	Corrected Deflection (in)	Temp Corrected Deflection (Corr = 1.61)	Seasonal Correction	Final True Deflection
1	9.9 9.9	10.1 10.2	19.8	20.3	0.0217	0.0350	1.26	0.044
2	9.2 8.0	10.1 9.7	18.2	19.8	0.0244	0.0392	1.26	0.049
3	8.0 6.1	7.1 7.4	12.1	14.5	0.0213	0.0343	1.26	0.043
4	4.9 5.0	5.9 5.8	8.9	11.7	0.0168	0.0271	1.26	0.034
5	4.9 5.0	5.9 6.1	9.9	12.0	0.0183	0.0294	1.26	0.037
6	3.8 3.5	5.0 4.3	7.3	9.3	0.0150	0.0241	1.26	0.030
7	3.1 3.1	4.0 4.1	6.2	8.1	0.0135	0.0217	1.26	0.027
8	1.5 2.4	2.5 3.0	3.9	5.5	0.0101	0.0162	1.26	0.020
9	2.2 2.4	2.9 3.0	4.6	5.9	0.0096	0.0155	1.26	0.019

TABLE A.6. Deflection Computations for Cut at UCASPEMC659-1

Point No	Intermediate Deflection (1/1000 in)	Final Deflection (1/1000 in)	Ave Interm Deflection (1/1000 in)	Ave Final Deflection (1/1000 in)	Corrected Deflection (in.)	Temp Corrected Deflection (Corr = 1.08)	Seasonal Correction	Final True Deflection
1	14.4 14.6	15.0 15.0	29.0	30.0	0.0328	0.0355	1.00	0.035
2	17.0 18.0	18.5 19.2	35.0	37.7	0.0454	0.0490	1.00	0.049
3	17.9 16.1	18.0 17.0	34.0	35.0	0.0417	0.0450	1.00	0.045
4	19.9 21.8	21.7 23.4	41.7	45.1	0.0548	0.0592	1.00	0.059
5	20.8 20.9	21.8 22.7	41.7	44.5	0.0525	0.0567	1.00	0.057
6	19.8 19.0	21.0 20.1	38.8	41.1	0.0478	0.0515	1.00	0.051
7	18.2 18.9	19.8 20.7	37.1	40.6	0.0502	0.0542	1.00	0.054
8	17.7 15.7	18.4 18.8	33.4	35.2	0.0403	0.0435	1.00	0.044
9	9.2 9.1	10.1 10.1	18.3	20.2	0.0258	0.0277	1.00	0.028

TABLE A.7. Deflection Computations for Cut at UCASP8TH304N-1

Point No	Intermediate Deflection (1/1000 in.)	Final Deflection (1/1000 in.)	Ave. Interim Deflection (1/1000 in.)	Ave Final Deflection (1/1000 in.)	Corrected Deflection (in.)	Temp Corrected Deflection (Corr = 1.50)	Seasonal Correction	Final True Deflection
1	9.0 8.5	9.2 8.8	17.5	18.0	0.0194	0.0291	1.28	0.037
2	11.0 10.8	11.8 11.2	21.8	22.8	0.0256	0.0385	1.28	0.048
3	11.0 12.0	11.3 12.8	23.0	24.1	0.0272	0.0408	1.28	0.051
4	10.0 9.2	9.5 9.8	19.2	19.3	0.0196	0.0294	1.28	0.037
5	8.1 9.2	8.8 8.8	17.3	18.4	0.0215	0.0323	1.28	0.041
6	7.7 8.4	8.1 8.8	16.1	16.9	0.0192	0.0288	1.28	0.036
7	8.0 8.4	8.4 8.9	16.4	17.3	0.0199	0.0298	1.28	0.038
8	8.0 7.8	8.5 7.8	15.8	16.4	0.0187	0.0280	1.28	0.035
9	7.0 6.9	7.7 7.3	13.9	15.0	0.0181	0.0272	1.28	0.034

TABLE A.8. Deflection Computations for Cut at UCASP8TH304S-1

Point No	Intermediate Deflection (1/1000 in.)	Final Deflection (1/1000 in.)	Ave Intermediate Deflection (1/1000 in.)	Ave Final Deflection (1/1000 in.)	Corrected Deflection (in.)	Temp Corrected Deflection (Cor = 1.47)	Seasonal Correction	Final True Deflection
1	0.0 0.0	0.0 0.1	17.0	18.1	0.0187	0.0274	1.20	0.035
2	7.5 7.8	7.8 8.0	15.3	15.8	0.0165	0.0242	1.20	0.030
3	0.0 0.0	0.0 0.0	12.0	12.0	0.0132	0.0194	1.20	0.024
4	7.5 7.2	7.5 7.5	14.7	15.0	0.0159	0.0233	1.20	0.029
5	0.0 7.2	0.5 7.8	15.2	16.3	0.0164	0.0200	1.20	0.030
6	7.1 0.5	7.2 0.8	13.8	14.0	0.0151	0.0223	1.20	0.028
7	0.1 0.2	0.8 0.8	12.3	13.6	0.0173	0.0254	1.20	0.032
8	0.7 0.2	7.0 0.5	12.8	13.8	0.0164	0.0241	1.20	0.030
9	0.5 0.5	0.0 0.0	13.0	13.8	0.0153	0.0225	1.20	0.028

TABLE A.9. Deflection Computations for Cut at UCASPFAR1720-1

Point No	Intermediate Deflections (1/1000 in.)	Final Deflections (1/1000 in.)	Ave Interim Deflection (1/1000 in.)	Ave Final Deflection (1/1000 in.)	Corrected Deflection (in.)	Temp Corrected Deflection (Corr = 0.83)	Seasonal Correction	Final True Deflection
1	13.0 12.8	14.0 13.0	28.7	27.0	0.0270	0.0231	1.20	0.028
2	18.0 18.0	19.0 19.2	36.0	38.2	0.0380	0.0322	1.20	0.041
3	15.9 17.0	16.1 17.2	32.9	33.3	0.0344	0.0288	1.20	0.034
4	15.0 15.2	15.8 15.2	30.2	31.0	0.0333	0.0278	1.20	0.033
5	15.0 16.0	15.2 16.2	31.0	31.4	0.0325	0.0270	1.20	0.034
6	15.1 16.6	15.2 16.8	31.7	32.1	0.0332	0.0278	1.20	0.035
7	17.0 15.8	17.1 16.0	32.8	33.1	0.0340	0.0282	1.20	0.034
8	16.0 17.8	16.9 18.2	33.8	35.1	0.0368	0.0322	1.20	0.041
9	17.0 18.2	17.5 19.0	35.2	36.5	0.0402	0.0334	1.20	0.042

TABLE A.10. Deflection Computations for Cut at UCASPLIN859-1

Point No	Intermediate Deflection (1/1000 in)	Final Deflection (1/1000 in)	Ave Interm Deflection (1/1000 in)	Ave Final Deflection (1/1000 in)	Corrected Deflection (in)	Temp Corrected Deflection (Cor = 1.48)	Seasonal Correction	Final True Deflection
1	35.2 35.9	37.1 37.8	71.1	75.0	0.0881	0.1274	1.20	0.181
2	37.4 33.9	39.9 35.6	71.3	74.6	0.0840	0.1243	1.20	0.157
3	29.5 31.5	31.2 33.8	61.0	65.1	0.0768	0.1136	1.20	0.143
4	24.0 25.7	25.4 27.7	49.7	53.1	0.0626	0.0929	1.20	0.117
5	20.2 20.9	21.1 22.0	41.1	43.1	0.0488	0.0722	1.20	0.091
6	20.7 20.1	21.8 21.0	40.8	42.8	0.0485	0.0718	1.20	0.090
7	20.2 19.1	21.0 20.1	39.3	41.1	0.0462	0.0684	1.20	0.086
8	20.4 20.8	22.1 22.1	41.2	44.2	0.0527	0.0781	1.20	0.098
9	19.8 21.0	20.2 22.0	40.8	42.2	0.0488	0.0692	1.20	0.087

TABLE A.11. Deflection Computations for Cut at UCASPSTA2641-1

Point No	Intercondole Deflection (1/1000 in)	Final Deflection (1/1000 in)	Ave Intercon Deflection (1/1000 in)	Ave Final Deflection (1/1000 in)	Corrected Deflection (in)	Temp Corrected Deflection (Gauge = 1.40)	Seasonal Correction	Final True Deflection
1	13.2 12.7	14.1 13.5	25.9	27.6	0.0324	0.0460	1.20	0.000
2	19.9 20.7	21.0 21.5	40.6	42.5	0.0479	0.0709	1.20	0.009
3	20.2 19.4	21.1 20.6	39.6	41.7	0.0477	0.0706	1.20	0.009
4	23.6 24.0	25.0 25.1	47.6	50.1	0.0572	0.0847	1.20	0.107
5	24.2 23.9	25.7 25.1	48.1	50.8	0.0585	0.0866	1.20	0.109
6	20.8 22.8	22.1 24.2	43.6	46.3	0.0540	0.0799	1.20	0.101
7	19.2 20.0	20.3 21.2	39.2	41.5	0.0480	0.0711	1.20	0.090
8	19.8 19.3	21.0 20.6	39.1	41.6	0.0485	0.0732	1.20	0.092
9	20.2 19.9	21.9 21.0	40.1	42.8	0.0505	0.0747	1.20	0.094

TABLE A.12. Deflection Computations for Cut at UCASPVPW2229-1

Point No	Intermediate Deflection (1/1000 in)	Final Deflection (1/1000 in)	Ave Intermediate Deflection (1/1000 in)	Ave Final Deflection (1/1000 in)	Corrected Deflection (in)	Temp Corrected Deflection (Cou = 1.49)	Seasonal Correction	Final True Deflection
1	5.5 5.2	5.9 6.1	10.7	12.0	0.0157	0.0234	1.28	0.029
2	18.1 18.2	17.0 17.2	32.3	34.2	0.0306	0.0590	1.28	0.074
3	12.8 13.1	13.2 14.5	25.7	27.7	0.0334	0.0498	1.28	0.063
4	8.8 8.7	10.0 9.9	18.5	19.9	0.0210	0.0313	1.28	0.039
5	7.8 7.5	8.2 8.0	15.3	16.2	0.0168	0.0290	1.28	0.035
6	7.8 7.1	8.1 8.0	14.9	16.1	0.0185	0.0291	1.28	0.037
7	9.3 8.7	10.8 9.3	18.0	19.8	0.0253	0.0377	1.28	0.048
8	12.2 11.5	13.3 12.4	23.7	25.7	0.0314	0.0468	1.28	0.059
9	16.4 15.9	17.5 17.0	32.3	34.5	0.0406	0.0607	1.28	0.077

TABLE A.13. Deflection Computations for Cut at UCASPFFD3054-1

Point No	Intermediate Deflection (1/1000 in)	Final Deflection (1/1000 in)	Ave Interim Deflection (1/1000 in)	Ave Final Deflection (1/1000 in)	Corrected Deflection (in)	Temp Corrected Deflection (Coef = 0.05)	Seasonal Correction	Final True Deflection
1	3.5 3.3	4.0 4.0	6.8	8.0	0.0114	0.0097	1.28	0.012
2	13.5 12.2	14.0 12.8	25.7	26.8	0.0303	0.0258	1.28	0.032
3	12.5 12.5	13.8 13.8	25.0	27.6	0.0350	0.0297	1.28	0.037
4	18.2 17.0	19.7 18.6	35.2	38.3	0.0471	0.0401	1.28	0.050
5	17.0 16.1	18.5 17.2	33.1	35.7	0.0431	0.0366	1.28	0.046
6	14.0 14.2	15.4 15.7	28.2	31.1	0.0394	0.0335	1.28	0.042
7	15.0 15.2	17.0 16.0	30.2	33.0	0.0410	0.0348	1.28	0.044
8	17.0 18.0	18.7 20.3	36.0	39.0	0.0475	0.0404	1.28	0.051
9	15.0 16.8	16.8 18.0	31.8	34.8	0.0439	0.0373	1.28	0.047

TABLE A.14. Deflection Computations for Cut at UCASPPAV942-1

Point No	Intermediate Deflection (1/1000 in)	Final Deflection (1/1000 in)	Ave Interim Deflection (1/1000 in)	Ave Final Deflection (1/1000 in)	Corrected Deflection (in)	Temp Corrected Deflection (Cor = 1.25)	Seasonal Correction	Final True Deflection
1	20.0 18.0	20.0 18.0	39.0	38.0	0.0402	0.0502	1.00	0.050
2	27.2 26.0	28.1 26.7	53.0	54.0	0.0578	0.0721	1.00	0.072
3	28.0 27.0	29.0 27.8	55.0	56.8	0.0618	0.0774	1.00	0.077
4	26.4 27.0	27.8 28.1	53.4	56.0	0.0634	0.0792	1.00	0.078
5	32.8 30.5	33.8 32.0	63.3	65.8	0.0729	0.0911	1.00	0.091
6	33.0 34.8	34.5 37.0	67.8	71.5	0.0826	0.1032	1.00	0.103
7	33.8 33.0	35.8 33.8	66.8	69.6	0.0769	0.0960	1.00	0.009
8	41.2 42.8	42.5 43.8	83.8	86.4	0.0938	0.1172	1.00	0.117
9	38.8 32.8	38.0 35.0	60.8	73.0	0.0821	0.1026	1.00	0.103

TABLE A.15. Deflection Computations for Cut at UCASPPAV949-1

Point No	Intermediate Deflection (1/1000 in)	Final Deflection (1/1000 in)	Ave Interm Deflection (1/1000 in)	Ave Final Deflection (1/1000 in)	Corrected Deflection (in)	Temp Corrected Deflection (Corr = 1.15)	Seasonal Correction	Final True Deflection
1	22.2 24.8	23.2 25.7	47.0	48.8	0.0543	0.0625	1.00	0.062
2	29.8 30.5	32.0 32.5	60.4	64.5	0.0762	0.0876	1.00	0.088
3	29.4 29.5	31.0 31.2	58.9	63.1	0.0751	0.0863	1.00	0.086
4	32.6 33.7	34.1 36.5	66.3	70.6	0.0828	0.0953	1.00	0.095
5	24.3 25.0	24.3 25.8	49.3	50.1	0.0524	0.0602	1.00	0.060
6	27.9 27.3	28.9 27.8	55.2	56.8	0.0614	0.0706	1.00	0.071
7	22.0 20.2	23.0 21.1	42.2	44.1	0.0405	0.0500	1.00	0.050
8	12.2 12.8	12.8 13.2	25.0	26.0	0.0288	0.0332	1.00	0.033
9	12.0 11.8	12.2 12.1	23.8	24.3	0.0257	0.0280	1.00	0.030

TABLE A.16. Deflection Computations for Cut at UCASPPRK2324-1

Point No	Intermediate Deflection (1/1000 in)	Final Deflection (1/1000 in)	Avg Interm Deflection (1/1000 in)	Avg Final Deflection (1/1000 in)	Corrected Deflection (in)	Temp Corrected Deflection (Corr = 1.61)	Seasonal Correction	Final True Deflection
1	3.9 3.8	4.5 4.2	7.7	8.7	0.0115	0.0186	1.26	0.023
2	16.8 16.2	16.0 16.8	33.0	34.8	0.0403	0.0649	1.26	0.082
3	14.8 13.9	16.1 15.0	28.7	31.1	0.0378	0.0611	1.26	0.077
4	12.1 11.2	13.4 12.4	23.3	25.8	0.0328	0.0530	1.26	0.067
5	10.9 11.0	11.9 11.7	21.9	23.6	0.0284	0.0458	1.26	0.058
6	10.6 9.7	10.9 10.5	18.7	21.4	0.0262	0.0422	1.26	0.053
7	10.8 9.8	12.2 10.7	20.6	22.9	0.0294	0.0474	1.26	0.060
8	9.8 9.6	10.7 10.8	18.4	21.5	0.0275	0.0442	1.26	0.056
9	9.4 9.7	10.3 10.8	19.1	21.1	0.0268	0.0431	1.26	0.054

TABLE A.17. Deflection Computations for Cut at UCASPPRK2378-1

Point No	Intermediate Deflection (1/1000 in)	Final Deflection (1/1000 in)	Ave Interm Deflection (1/1000 in)	Ave Final Deflection (1/1000 in)	Corrected Deflection (in)	Temp Corrected Deflection (Corr = 1.14)	Seasonal Correction	Final True Deflection
1	2.3 2.0	4.0 3.1	4.3	7.1	0.0151	0.0172	1.28	0.022
2	5.3 4.8	8.4 5.8	10.2	12.0	0.0171	0.0185	1.28	0.025
3	5.4 5.0	8.4 5.8	10.4	12.2	0.0173	0.0197	1.28	0.025
4	8.1 5.8	8.1 7.8	11.8	16.0	0.0277	0.0315	1.28	0.040
5	8.2 5.8	8.8 7.5	11.0	14.3	0.0237	0.0270	1.28	0.034
6	5.8 5.0	8.8 6.2	10.6	13.1	0.0202	0.0230	1.28	0.029
7	3.3 3.8	4.1 5.5	7.2	9.8	0.0164	0.0187	1.28	0.024
8	5.4 5.2	8.4 7.0	10.6	13.4	0.0214	0.0244	1.28	0.031
9	10.2 9.2	12.1 12.0	19.4	24.1	0.0375	0.0427	1.28	0.054

TABLE A.18. Deflection Computations for Cut at UCASPROC1005-1

Point No	Intermediate Deflection (1/1000 in)	Final Deflection (1/1000 in)	Ave. Interm. Deflection (1/1000 in)	Ave Final Deflection (1/1000 in)	Corrected Deflection (in)	Temp Corrected Deflection (Corr = 1.61)	Seasonal Correction	Final True Deflection
1	7.5 7.2	7.8 7.5	14.7	15.4	0.0174	0.0280	1.26	0.035
2	18.5 18.8	19.7 19.8	37.4	39.5	0.0455	0.0732	1.26	0.092
3	25.8 28.0	26.5 29.7	53.8	56.2	0.0630	0.1015	1.26	0.128
4	30.0 28.7	31.0 30.8	58.7	61.8	0.0878	0.1091	1.26	0.137
5	28.2 27.5	30.0 29.1	55.7	59.1	0.0868	0.1107	1.26	0.140
6	24.2 26.8	25.5 27.6	51.0	53.1	0.0591	0.0951	1.26	0.120
7	23.8 24.0	25.0 25.1	47.8	50.1	0.0564	0.0907	1.26	0.114
8	24.8 24.8	26.5 26.1	49.6	52.6	0.0611	0.0984	1.26	0.124
9	23.5 23.3	25.2 24.7	46.8	49.9	0.0587	0.0945	1.26	0.119

TABLE A.19. Deflection Computations for Cut at UCMACBEK3241-1

Point No	Intermediate Deflection (1/1000 in)	Final Deflection (1/1000 in)	Ave Interm Deflection (1/1000 in)	Ave Final Deflection (1/1000 in)	Corrected Deflection (in)	Temp Corrected Deflection (Coef = 1.61)	Seasonal Correction	Final True Deflection
1	8.8 8.8	9.0 9.5	17.7	18.5	0.0208	0.0335	1.26	0.042
2	8.4 8.2	9.2 10.2	17.6	19.4	0.0245	0.0395	1.26	0.050
3	8.1 7.8	9.5 8.1	15.7	17.6	0.0230	0.0370	1.26	0.047
4	7.5 8.2	9.2 8.3	13.7	17.5	0.0283	0.0456	1.26	0.057
5	7.1 7.2	8.5 8.0	14.3	17.6	0.0266	0.0428	1.26	0.054
6	8.0 8.2	10.0 9.2	17.2	19.2	0.0249	0.0401	1.26	0.050
7	8.0 7.8	9.1 8.7	15.9	17.8	0.0232	0.0374	1.26	0.047
8	9.0 8.2	10.1 10.2	18.2	20.3	0.0283	0.0423	1.26	0.053
9	8.9 9.2	9.8 10.1	18.1	20.0	0.0254	0.0400	1.26	0.052

TABLE A.20. Deflection Computations for Cut at UCMACBEK3333-1

Point No	Intermediate Deflection (1/1000 in)	Final Deflection (1/1000 in)	Ave Interm Deflection (1/1000 in)	Ave Final Deflection (1/1000 in)	Corrected Deflection (in)	Temp Corrected Deflection (Corr = 1.54)	Seasonal Correction	Final True Deflection
1	9.1 10.8	10.1 11.4	19.7	21.6	0.0268	0.0410	1.28	0.052
2	15.2 16.0	16.0 17.0	31.2	33.0	0.0381	0.0587	1.28	0.074
3	16.6 17.8	18.0 18.3	34.8	36.3	0.0411	0.0634	1.28	0.080
4	17.2 17.9	18.0 18.8	35.1	36.8	0.0400	0.0620	1.28	0.078
5	18.5 17.2	20.0 18.5	35.7	38.5	0.0465	0.0718	1.28	0.090
6	18.2 17.0	19.6 18.6	35.2	38.2	0.0467	0.0720	1.28	0.091
7	17.9 16.2	18.5 17.6	34.1	36.1	0.0418	0.0644	1.28	0.081
8	16.0 16.6	17.2 18.1	32.6	35.3	0.0430	0.0662	1.28	0.083
9	14.2 14.7	15.3 15.9	28.9	31.2	0.0377	0.0581	1.28	0.073

TABLE A.21. Deflection Computations for Cut at UCMACBEK3411-1

Point No	Intermediate Deflection (1/1000 in)	Final Deflection (1/1000 in)	Ave Interm Deflection (1/1000 in)	Ave Final Deflection (1/1000 in)	Corrected Deflection (in)	Temp Corrected Deflection (Corr = 1.33)	Seasonal Correction	Final True Deflection
1	8.0 8.2	8.0 8.0	16.2	16.0	0.0231	0.0308	1.26	0.030
2	8.4 8.2	8.0 10.1	17.6	18.1	0.0234	0.0311	1.26	0.030
3	8.0 8.7	8.1 8.8	16.7	17.0	0.0178	0.0237	1.26	0.030
4	6.5 7.0	6.8 7.4	13.5	14.2	0.0162	0.0215	1.26	0.027
5	6.2 7.0	6.7 7.3	13.2	13.8	0.0183	0.0243	1.26	0.031
6	5.8 6.8	6.2 7.8	12.6	14.0	0.0174	0.0232	1.26	0.029
7	5.7 6.7	6.5 7.6	12.4	14.1	0.0188	0.0252	1.26	0.032
8	7.0 5.1	7.0 5.8	12.1	13.8	0.0186	0.0248	1.26	0.031
9	6.1 6.2	6.8 6.8	12.3	13.7	0.0177	0.0235	1.26	0.030

TABLE A.22. Deflection Computations for Cut at UCMACEDW3642-1

Point No	Intermediate Deflection (1/1000 in)	Final Deflection (1/1000 in)	Ave Interm Deflection (1/1000 in)	Ave Final Deflection (1/1000 in)	Corrected Deflection (in)	Temp Corrected Deflection (Cor = 1.10)	Seasonal Correction	Final True Deflection
1	8.5 8.2	7.2 7.8	12.7	14.2	0.0185	0.0203	1.00	0.020
2	12.5 12.8	13.0 13.2	25.1	26.2	0.0293	0.0323	1.00	0.032
3	15.6 15.0	17.6 18.8	30.8	34.4	0.0448	0.0491	1.00	0.049
4	15.8 14.8	17.4 16.7	30.7	34.1	0.0438	0.0482	1.00	0.048
5	16.6 16.2	18.0 17.8	32.2	35.8	0.0453	0.0498	1.00	0.050
6	16.4 15.2	17.9 16.5	31.6	34.7	0.0435	0.0479	1.00	0.048
7	17.0 15.8	16.6 16.8	32.8	34.8	0.0411	0.0452	1.00	0.045
8	16.0 16.3	17.1 17.6	32.3	34.7	0.0415	0.0457	1.00	0.046
9	16.0 16.2	17.4 17.6	32.2	35.0	0.0430	0.0473	1.00	0.047

TABLE A.23. Deflection Computations for Cut at UCMACEDW3821-1

Point No	Intermediate Deflection (1/1000 in)	Final Deflection (1/1000 in)	Ave Interm. Deflection (1/1000 in)	Ave Final Deflection (1/1000 in)	Corrected Deflection (in)	Temp Corrected Deflection (Corr = 1.23)	Seasonal Correction	Final True Deflection
1	48.0 48.2	50.8 51.2	96.2	102.0	0.1128	0.1388	1.00	0.139
2	42.7 48.2	45.0 50.5	90.9	95.5	0.1066	0.1338	1.00	0.134
3	37.8 35.9	39.2 37.4	73.7	76.6	0.0849	0.1044	1.00	0.104
4	31.1 33.2	32.1 34.8	64.3	66.9	0.0743	0.0914	1.00	0.091
5	33.2 32.0	34.2 33.2	65.2	67.4	0.0737	0.0906	1.00	0.091
6	31.9 31.2	33.2 32.9	63.1	66.1	0.0748	0.0918	1.00	0.092
7	33.2 36.1	35.2 36.5	69.3	73.7	0.0862	0.1061	1.00	0.106
8	31.9 30.7	33.9 32.8	62.6	66.7	0.0784	0.0964	1.00	0.096
9	38.0 37.8	40.2 41.1	75.8	81.3	0.0970	0.1193	1.00	0.119

TABLE A.24. Deflection Computations for Cut at UCMACOBS2728-1

N/A

TABLE A.25. Deflection Computations for Cut at UCMACLAF402-1

N/A

TABLE A.26. Deflection Computations for Cut at UCMACMCA533-1

Point No	Intermediate Deflection (1/1000 in)	Final Deflection (1/1000 in)	Ave Interm Deflection (1/1000 in)	Ave Final Deflection (1/1000 in)	Corrected Deflection (in)	Temp Corrected Deflection (Corr = 0.78)	Seasonal Correction	Final True Deflection
1	12.8 13.8	13.0 15.1	26.7	28.1	0.0321	0.0250	1.26	0.032
2	18.5 22.7	20.7 23.8	42.2	44.5	0.0510	0.0398	1.26	0.050
3	22.2 21.0	24.2 22.0	43.2	46.2	0.0547	0.0427	1.26	0.054
4	20.5 20.2	22.2 21.8	40.7	44.1	0.0538	0.0418	1.26	0.053
5	20.1 19.7	21.5 20.0	39.8	41.5	0.0463	0.0361	1.26	0.046
6	21.0 21.5	23.0 23.0	42.5	46.0	0.0560	0.0436	1.26	0.055
7	23.5 23.0	25.8 25.0	46.5	50.8	0.0630	0.0492	1.26	0.062
8	24.8 23.0	26.3 24.6	47.8	50.8	0.0597	0.0466	1.26	0.059
9	31.5 31.2	33.8 33.2	62.7	67.0	0.0782	0.0610	1.26	0.078

TABLE A.27. Deflection Computations for Cut at UCMACOBS2881-1

Point No	Intermediate Deflection (1/1000 in)	Final Deflection (1/1000 in)	Ave Interm. Deflection (1/1000 in)	Ave Final Deflection (1/1000 in)	Corrected Deflection (in)	Temp Corrected Deflection (Cor = 0.93)	Seasonal Correction	Final True Deflection
1	8.8 9.7	9.7 8.8	18.5	18.8	0.0227	0.0211	1.00	0.021
2	15.8 14.0	16.2 14.8	29.8	31.1	0.0345	0.0321	1.00	0.032
3	16.2 16.8	16.3 17.8	32.8	35.8	0.0447	0.0416	1.00	0.042
4	12.8 12.2	13.1 13.1	24.8	26.2	0.0302	0.0281	1.00	0.028
5	10.8 11.1	11.1 12.1	21.8	23.2	0.0268	0.0250	1.00	0.025
6	10.1 10.1	10.8 11.0	20.2	21.8	0.0264	0.0245	1.00	0.025
7	10.0 10.2	10.5 11.3	20.2	21.8	0.0264	0.0245	1.00	0.025
8	9.2 10.4	10.1 11.2	19.6	21.3	0.0261	0.0243	1.00	0.024
9	10.0 10.2	10.7 10.9	20.2	21.6	0.0258	0.0238	1.01	0.024

TABLE A.28. Deflection Computations for Cut at UCMACOBS3044-1

Point No	Intermediate Deflection (1/1000 in)	Final Deflection (1/1000 in)	Ave Interm Deflection (1/1000 in)	Ave Final Deflection (1/1000 in)	Corrected Deflection (in)	Temp Corrected Deflection (Cor = 1.37)	Seasonal Correction	Final True Deflection
1	4.8 4.8	5.2 5.2	9.7	10.4	0.0124	0.0170	1.28	0.021
2	7.0 7.8	8.0 8.4	14.8	16.4	0.0215	0.0295	1.28	0.037
3	11.1 11.3	11.8 12.1	22.4	24.0	0.0288	0.0391	1.28	0.049
4	12.0 11.1	13.0 11.8	23.1	24.8	0.0298	0.0408	1.28	0.051
5	10.7 10.8	11.5 11.4	21.5	22.9	0.0269	0.0368	1.28	0.046
6	10.0 10.4	10.8 11.2	20.4	22.0	0.0256	0.0364	1.28	0.046
7	10.2 9.7	11.3 10.2	19.9	21.5	0.0261	0.0357	1.28	0.045
8	12.0 11.4	12.9 11.9	23.4	24.8	0.0288	0.0394	1.28	0.050
9	9.2 12.8	10.0 13.3	21.8	23.3	0.0270	0.0376	1.28	0.048

TABLE A.29. Deflection Computations for Cut at UCMACOBS3060-1

Point No	Intermediate Deflection (1/1000 in)	Final Deflection (1/1000 in)	Ave. Interm. Deflection (1/1000 in)	Ave Final Deflection (1/1000 in)	Corrected Deflection (in)	Temp Corrected Deflection (Corr = 1.37)	Seasonal Correction	Final True Deflection
1	14.8 13.8	15.5 14.2	28.4	29.7	0.0334	0.0458	1.28	0.058
2	13.0 11.8	14.0 12.4	24.8	26.4	0.0310	0.0424	1.28	0.053
3	11.1 11.7	12.0 12.8	22.8	24.8	0.0305	0.0418	1.28	0.053
4	10.3 10.6	11.2 11.3	20.9	22.5	0.0271	0.0371	1.28	0.047
5	9.2 9.4	9.9 10.4	18.6	20.2	0.0248	0.0339	1.28	0.043
6	9.3 9.7	10.0 10.6	19.0	20.8	0.0258	0.0355	1.28	0.045
7	8.6 9.2	9.2 9.9	17.8	19.1	0.0228	0.0312	1.28	0.030
8	9.6 9.7	10.2 10.1	19.5	20.3	0.0228	0.0308	1.28	0.039
9	9.2 9.1	10.0 9.9	18.3	19.8	0.0245	0.0335	1.28	0.042

TABLE A.30. Deflection Computations for Cut at UCMACWTF3332-1

Point No	Intermediate Deflection (1/1000 in)	Final Deflection (1/1000 in)	Ave Interim Deflection (1/1000 in)	Ave. Final Deflection (1/1000 in)	Corrected Deflection (in)	Temp Corrected Deflection (Coef = 0.87)	Seasonal Correction	Final True Deflection
1	15.6 15.8	15.9 16.0	31.4	31.9	0.0329	0.0287	1.26	0.036
2	15.9 16.0	16.0 16.5	31.9	32.5	0.0342	0.0298	1.26	0.037
3	13.8 12.5	14.2 13.0	26.3	27.2	0.0298	0.0258	1.26	0.033
4	13.0 12.2	14.0 13.4	25.2	27.4	0.0337	0.0293	1.26	0.037
5	13.1 12.2	14.5 13.5	25.3	28.0	0.0357	0.0310	1.26	0.039
6	11.1 12.1	11.5 13.0	23.2	24.5	0.0282	0.0245	1.26	0.031
7	13.0 13.0	13.8 13.8	26.0	27.6	0.0322	0.0280	1.26	0.035
8	12.6 12.0	14.0 12.8	24.6	26.8	0.0334	0.0281	1.26	0.037
9	11.1 12.3	12.0 13.0	23.4	25.0	0.0296	0.0257	1.26	0.032

TABLE A.31. Deflection Computations for Cut at UCMACDUN3422-1

Point No	Intermediate Deflection (1/1000 in)	Final Deflection (1/1000 in)	Ave Interim Deflection (1/1000 in)	Ave Final Deflection (1/1000 in)	Corrected Deflection (in)	Temp Corrected Deflection (Cmt = 1.81)	Seasonal Correction	Final True Deflection
1	4.7 4.1	5.0 4.3	8.8	9.3	0.0107	0.0173	1.20	0.022
2	10.0 12.0	11.0 13.1	22.0	24.1	0.0301	0.0484	1.28	0.061
3	29.0 29.8	29.5 30.8	58.8	60.3	0.0846	0.1040	1.26	0.131
4	29.0 27.0	30.7 28.0	56.0	58.7	0.0864	0.1068	1.26	0.135
5	29.8 28.7	31.7 31.2	59.5	62.9	0.0728	0.1168	1.26	0.147
6	27.0 28.2	28.8 30.0	55.2	58.8	0.0890	0.1112	1.26	0.140
7	25.8 27.4	26.0 28.8	53.2	55.7	0.0028	0.1011	1.26	0.127
8	27.0 25.5	29.5 28.8	52.5	55.3	0.0033	0.1018	1.26	0.128
9	27.7 27.8	28.6 28.9	55.5	57.7	0.0040	0.1030	1.20	0.130

TABLE A.32. Deflection Computations for Cut at UCMACGRA458-1

Point No	Intermediate Deflection (1/1000 in)	Final Deflection (1/1000 in)	Ave Interim Deflection (1/1000 in)	Ave Final Deflection (1/1000 in)	Corrected Deflection (in)	Temp Corrected Deflection (Coef = 1.48)	Seasonal Correction	Final True Deflection
1	21.0 20.4	23.0 22.8	41.4	46.4	0.0606	0.0897	1.26	0.113
2	18.1 15.0	16.8 15.7	31.1	32.3	0.0357	0.0529	1.26	0.067
3	12.2 13.1	12.9 13.8	25.3	26.7	0.0307	0.0454	1.26	0.057
4	15.2 15.0	16.0 15.8	30.2	31.8	0.0364	0.0538	1.26	0.068
5	14.4 13.2	14.8 14.2	27.6	29.1	0.0334	0.0494	1.26	0.062
6	14.9 14.1	15.6 14.9	29.0	29.9	0.0325	0.0480	1.26	0.061
7	16.2 14.1	16.6 14.8	30.3	31.0	0.0353	0.0522	1.26	0.066
8	15.3 14.9	16.2 15.3	30.2	31.5	0.0352	0.0521	1.26	0.066
9	15.7 16.1	17.0 17.1	31.8	34.1	0.0400	0.0592	1.26	0.070

TABLE A.33. Deflection Computations for Cut at UCMACMON3431-1

Point No	Intermediate Deflection (1/1000 in)	Final Deflection (1/1000 in)	Ave Interim Deflection (1/1000 in)	Ave Final Deflection (1/1000 in)	Corrected Deflection (in)	Temp Corrected Deflection (corr = 1.01)	Seasonal Correction	Final True Deflection
1	10.1 10.1	10.7 11.0	20.2	21.7	0.0200	0.0202	1.28	0.033
2	45.2 48.2	45.8 47.1	81.4	83.0	0.0978	0.0985	1.28	0.124
3	38.0 40.5	38.2 41.0	78.5	79.2	0.0812	0.0820	1.28	0.103
4	46.0 48.2	46.8 50.2	85.2	87.0	0.1021	0.1031	1.28	0.130
5	43.8 41.0	44.2 41.5	84.8	85.7	0.0883	0.0891	1.28	0.112
6	47.5 45.5	48.2 48.1	83.0	84.3	0.0990	0.0990	1.28	0.125
7	38.2 42.8	40.1 43.8	82.0	84.0	0.0897	0.0906	1.28	0.114
8	38.5 38.5	37.2 40.2	76.0	77.4	0.0814	0.0822	1.28	0.104
9	36.4 37.4	38.0 39.2	73.8	77.2	0.0800	0.0877	1.28	0.111

TABLE A.34. Deflection Computations for Cut at UCMACMON3579-1

Point No	Intermediate Deflection (1/1000 in)	Final Deflection (1/1000 in)	Ave Interm Deflection (1/1000 in)	Ave Final Deflection (1/1000 in)	Corrected Deflection (in)	Temp Corrected Deflection (Cor = 1.61)	Seasonal Correction	Final True Deflection
1	5.0 6.0	5.0 8.2	11.0	12.1	0.0130	0.0200	1.26	0.026
2	13.0 12.0	13.0 13.3	25.0	27.1	0.0305	0.0491	1.26	0.062
3	12.5 10.2	13.0 10.8	22.7	23.8	0.0269	0.0434	1.26	0.055
4	15.0 14.0	16.2 15.7	30.0	31.9	0.0350	0.0564	1.26	0.071
5	14.0 13.5	14.5 14.0	27.5	28.5	0.0313	0.0505	1.26	0.064
6	15.0 15.3	16.1 16.0	30.3	32.1	0.0372	0.0599	1.26	0.076
7	16.0 14.2	15.8 15.0	29.2	30.8	0.0354	0.0569	1.26	0.072
8	16.1 15.8	17.1 16.5	31.9	33.6	0.0384	0.0618	1.26	0.078
9	17.2 19.5	18.8 20.2	36.7	38.8	0.0448	0.0721	1.26	0.091

TABLE A.35. Deflection Computations for Cut at UCMACPUR426-1

Point No	Intermediate Deflection (1/1000 in)	Final Deflection (1/1000 in)	Ave Interim Deflection (1/1000 in)	Ave Final Deflection (1/1000 in)	Corrected Deflection (in)	Temp Corrected Deflection (Corr = 1.48)	Seasonal Correction	Final True Deflection
1	10.5 13.0	8.5 11.2	23.5	20.7	0.0127	0.0188	1.28	0.024
2	21.4 21.8	22.0 21.8	43.0	43.8	0.0465	0.0688	1.28	0.087
3	28.0 25.0	27.8 24.4	53.0	52.2	0.0499	0.0739	1.28	0.093
4	30.7 28.8	30.7 27.1	57.8	57.8	0.0584	0.0864	1.28	0.108
5	23.8 25.6	24.2 25.8	49.4	50.0	0.0517	0.0765	1.28	0.096
6	26.5 25.2	27.0 25.5	51.7	52.5	0.0548	0.0811	1.28	0.102
7	26.3 25.0	26.4 25.1	51.3	51.5	0.0521	0.0771	1.28	0.097
8	18.5 18.6	18.8 17.7	37.1	36.5	0.0348	0.0515	1.28	0.065
9	17.9 18.4	18.9 18.0	36.3	37.9	0.0425	0.0629	1.28	0.080

TABLE A.36. Deflection Computations for Cut at UCMACPUR554-1

Point No	Intermediate Deflection (1/1000 in)	Final Deflection (1/1000 in)	Ave Interim Deflection (1/1000 in)	Ave Final Deflection (1/1000 in)	Corrected Deflection (in)	Temp Corrected Deflection (Corr = 1.85)	Seasonal Correction	Final Time Deflection
1	26.0 25.2	27.0 25.5	52.1	52.5	0.0536	0.0831	1.28	0.105
2	30.3 31.9	30.7 32.3	62.2	63.0	0.0653	0.1012	1.28	0.127
3	23.8 25.2	24.7 25.9	49.0	50.6	0.0552	0.0855	1.28	0.108
4	23.2 21.8	23.8 21.6	45.0	45.4	0.0465	0.0721	1.28	0.091
5	23.0 21.3	23.2 21.6	44.3	44.8	0.0462	0.0716	1.28	0.090
6	21.0 21.2	21.6 22.4	42.2	44.0	0.0481	0.0781	1.28	0.098
7	21.2 20.9	21.8 21.0	42.1	42.8	0.0448	0.0694	1.28	0.087
8	22.0 22.1	22.1 22.6	44.1	44.7	0.0464	0.0718	1.28	0.091
9	21.1 20.2	21.4 20.5	41.3	41.9	0.0436	0.0676	1.28	0.085