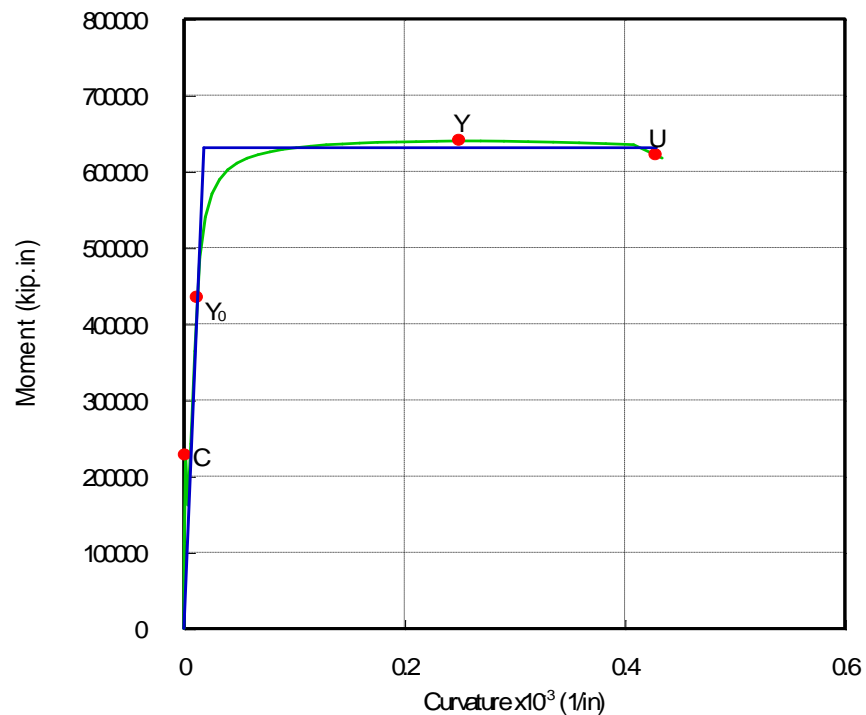


## Moment-Curvature

Neutral Axis = 0.00 °  
 Axial Load, P = 100.00 kip  
 Maximum Strain = 0.2000



State	Curvature $\times 10^{-3}$ (1/in)	Moment (kip×in)
Crack	0.0015916	226851.417
Yield(Initial)	0.0124651	433750.281
Yield	0.2505194	639867.927
Ultimate	0.4288859	620933.143

Point	Concrete Strain	Neutral Axis Depth(in)	Rebar Strain	Curvature $\times 10^{-3}$ (1/in)	Moment (kip×in)
1	0.0000000	0.0000000	0.0000000	0.0000000	0.000
2	0.0000419	105.2310342	-0.0000381	0.0003986	111348.534
3	0.0001295	81.2229406	-0.0001905	0.0015944	227125.185
4	0.0001686	46.9896020	-0.0005514	0.0035874	162123.530
5	0.0002481	38.8967038	-0.0010319	0.0063777	242236.537
6	0.0003588	36.0090201	-0.0016412	0.0099651	363971.468
7	0.0004885	34.0436972	-0.0023915	0.0143498	486356.006
8	0.0006036	30.9037001	-0.0033164	0.0195316	540072.919
9	0.0007170	28.1066632	-0.0044030	0.0255107	570601.743
10	0.0008256	25.5703085	-0.0056544	0.0322870	589089.508
11	0.0009378	23.5267320	-0.0070622	0.0398605	602023.725

12	0.0010482	21.7337598	-0.0086318	0.0482312	610815.953
13	0.0011575	20.1655437	-0.0103625	0.0573991	617161.433
14	0.0012660	18.7934825	-0.0122540	0.0673642	621809.996
15	0.0013757	17.6081533	-0.0143043	0.0781266	625491.883
16	0.0014959	16.6794491	-0.0165041	0.0896861	628754.534
17	0.0016075	15.7532249	-0.0188725	0.1020429	631010.729
18	0.0017323	15.0375424	-0.0213877	0.1151968	632957.764
19	0.0018669	14.4553058	-0.0240531	0.1291480	634899.593
20	0.0019810	13.7671174	-0.0268990	0.1438964	635798.494
21	0.0021197	13.2946385	-0.0298803	0.1594420	637026.684
22	0.0022671	12.8968475	-0.0330129	0.1757848	637959.931
23	0.0023922	12.3996992	-0.0363278	0.1929248	638344.303
24	0.0025435	12.0625839	-0.0397765	0.2108620	638891.994
25	0.0027064	11.7877853	-0.0433736	0.2295964	639426.033
26	0.0028813	11.5653872	-0.0471187	0.2491281	639872.707
27	0.0030919	11.4746063	-0.0509881	0.2694569	639802.865
28	0.0033207	11.4278665	-0.0549993	0.2905830	639520.210
29	0.0035700	11.4236840	-0.0591500	0.3125062	638910.098
30	0.0038444	11.4681892	-0.0634356	0.3352267	638246.265
31	0.0041467	11.5588663	-0.0678533	0.3587444	637383.598
32	0.0044817	11.6997262	-0.0723983	0.3830593	636340.625
33	0.0048557	11.8961728	-0.0770643	0.4081714	634985.305
34	0.0050354	15.6801643	-0.0803135	0.4340807	617409.092
35	0.0046851	30.5675207	-0.0783949	0.4607872	555095.682
36	0.0050643	30.7715635	-0.0829745	0.4882910	554263.256
37	0.0052870	32.6743132	-0.0868007	0.5165919	546884.128
38	0.0053377	36.3015468	-0.0897106	0.5456901	533316.511
39	0.0054315	40.0365179	-0.0924756	0.5755855	520881.187
40	0.0047912	46.6627066	-0.0933894	0.6062780	498884.166
41	0.0046628	52.1911988	-0.0947141	0.6377678	483190.628
42	0.0029251	49.2454324	-0.0961921	0.6700548	329231.289
43	0.0027459	48.7852419	-0.0957132	0.7031390	302239.949
44	0.0026131	48.4254750	-0.0947709	0.7370204	276734.627
45	0.0027185	48.4027879	-0.0992476	0.7716991	276670.430
46	0.0026059	48.1084521	-0.0976743	0.8071749	252694.132
47	0.0022353	47.5301893	-0.0958914	0.8434479	229877.291
48	0.0020434	47.2006944	-0.0989476	0.8805182	219148.989
49	0.0018981	46.9467879	-0.0976953	0.9183857	208450.263
50	0.0016358	46.5892580	-0.0945936	0.9570503	188543.156
51	0.0016778	46.5636343	-0.0985195	0.9965122	188605.715