

I-Déplacements

I-1- Chargement de la composante d'El Centro du séisme d'Imperial Valley

ETABS v9.0.0 File: STRUCTURE ISOLEE LRB 10% Units: KN-m

DISPLACEMENT

STORY	DISP-X
STORY8	0.345282
STORY7	0.342547
STORY6	0.337779
STORY5	0.330842
STORY4	0.321787
STORY3	0.310721
STORY2	0.297826
STORY1	0.283593
BASE0	0.270498

ETABS v9.0.0 File: STRUCTURE ISOLEE LRB 15% Units: KN-m

DISPLACEMENT

STORY	DISP-X
STORY8	0.316920
STORY7	0.314461
STORY6	0.310146
STORY5	0.303794
STORY4	0.295397
STORY3	0.285086
STORY2	0.273166
STORY1	0.260274
BASE0	0.248774

ETABS v9.0.0 File: STRUCTURE ISOLEE LRB 20% Units: KN-m

DISPLACEMENT

STORY	DISP-X
STORY8	0.295683
STORY7	0.293331
STORY6	0.289180
STORY5	0.283038
STORY4	0.274974
STORY3	0.265107
STORY2	0.253842
STORY1	0.241994
BASE0	0.232856

ETABS v9.0.0 File: STRUCTURE ISOLEE LRB 25% Units: KN-m
D I S P L A C E M E N T

STORY	DISP-X
STORY8	0.279840
STORY7	0.277488
STORY6	0.273329
STORY5	0.267250
STORY4	0.259329
STORY3	0.249744
STORY2	0.238874
STORY1	0.228646
BASE0	0.221489

ETABS v9.0.0 File: STRUCTURE ISOLEE LRB 30% Units :KN-m
D I S P L A C E M E N T

STORY	DISP-X
STORY8	0.269114
STORY7	0.266695
STORY6	0.262477
STORY5	0.256416
STORY4	0.248549
STORY3	0.239125
STORY2	0.228566
STORY1	0.220722
BASE0	0.214356

ETABS v9.0.0 File: STRUCTURE ISOLEE LRB 35% Units :KN-m
D I S P L A C E M E N T

STORY	DISP-X
STORY8	0.263294
STORY7	0.260847
STORY6	0.256570
STORY5	0.250432
STORY4	0.242641
STORY3	0.233432
STORY2	0.223537
STORY1	0.217792
BASE0	0.211829

I-2- Chargement de la composante d'Oakland Outer du séisme de Loma Prieta

ETABS v9.0.0 File: STRUCTURE ISOLEE LRB 10% Units: KN-m

D I S P L A C E M E N T

STORY	DISP-X
STORY8	0.151644
STORY7	0.149540
STORY6	0.145983
STORY5	0.141037
STORY4	0.134920
STORY3	0.127849
STORY2	0.120033
STORY1	0.111809
BASE0	0.104396

ETABS v9.0.0 File: STRUCTURE ISOLEE LRB 15% Units: KN-m

D I S P L A C E M E N T

STORY	DISP-X
STORY8	0.146410
STORY7	0.144355
STORY6	0.140950
STORY5	0.136102
STORY4	0.129970
STORY3	0.122884
STORY2	0.114964
STORY1	0.106628
BASE0	0.099179

ETABS v9.0.0 File: STRUCTURE ISOLEE LRB 20% Units: KN-m

D I S P L A C E M E N T

STORY	DISP-X
STORY8	0.143798
STORY7	0.141874
STORY6	0.138719
STORY5	0.134087
STORY4	0.128126
STORY3	0.121212
STORY2	0.113305
STORY1	0.104952
BASE0	0.097494

ETABS v9.0.0 File: STRUCTURE ISOLEE LRB 25% Units: KN-m
D I S P L A C E M E N T

STORY	DISP-X
STORY8	0.141754
STORY7	0.140049
STORY6	0.137166
STORY5	0.132827
STORY4	0.127136
STORY3	0.120475
STORY2	0.112728
STORY1	0.104414
BASE0	0.096923

ETABS v9.0.0 File: STRUCTURE ISOLEE LRB 30% Units: KN-m
D I S P L A C E M E N T

STORY	DISP-X
STORY8	0.138338
STORY7	0.136849
STORY6	0.134162
STORY5	0.130093
STORY4	0.124703
STORY3	0.118374
STORY2	0.110909
STORY1	0.102743
BASE0	0.095358

ETABS v9.0.0 File: STRUCTURE ISOLEE LRB 35% Units: KN-m
D I S P L A C E M E N T

STORY	DISP-X
STORY8	0.131788
STORY7	0.130262
STORY6	0.127547
STORY5	0.123514
STORY4	0.118413
STORY3	0.112205
STORY2	0.104935
STORY1	0.096965
BASE0	0.089762

I-3- Chargement de la composante de Lexington Dam du séisme de Loma Prieta

ETABS v9.0.0 File: STRUCTURE ISOLEE LRB 10% Units: KN-m

D I S P L A C E M E N T

STORY	DISP-X
STORY8	-0.276662
STORY7	-0.273144
STORY6	-0.267136
STORY5	-0.258796
STORY4	-0.248571
STORY3	-0.236956
STORY2	-0.224420
STORY1	-0.211520
BASE0	-0.200036

ETABS v9.0.0 File: STRUCTURE ISOLEE LRB 15% Units: KN-m

D I S P L A C E M E N T

STORY	DISP-X
STORY8	-0.261231
STORY7	-0.257672
STORY6	-0.251645
STORY5	-0.243409
STORY4	-0.233500
STORY3	-0.222428
STORY2	-0.210641
STORY1	-0.198703
BASE0	-0.187993

ETABS v9.0.0 File: STRUCTURE ISOLEE LRB 20% Units: KN-m

D I S P L A C E M E N T

STORY	DISP-X
STORY8	-0.248782
STORY7	-0.245314
STORY6	-0.239467
STORY5	-0.231547
STORY4	-0.222102
STORY3	-0.211777
STORY2	-0.200938
STORY1	-0.189615
BASE0	-0.179469

ETABS v9.0.0 File: STRUCTURE ISOLEE LRB 25% Units: KN-m
D I S P L A C E M E N T

STORY	DISP-X
STORY8	-0.238171
STORY7	-0.234636
STORY6	-0.229107
STORY5	-0.221745
STORY4	-0.212927
STORY3	-0.203637
STORY2	-0.193419
STORY1	-0.182682
BASE0	-0.173051

ETABS v9.0.0 File: STRUCTURE ISOLEE LRB 30% Units: KN-m
D I S P L A C E M E N T

STORY	DISP-X
STORY8	-0.228920
STORY7	-0.225646
STORY6	-0.220421
STORY5	-0.213849
STORY4	-0.205934
STORY3	-0.197516
STORY2	-0.187990
STORY1	-0.177870
BASE0	-0.168900

ETABS v9.0.0 File: STRUCTURE ISOLEE LRB 35% Units: KN-m
D I S P L A C E M E N T

STORY	DISP-X
STORY8	-0.221766
STORY7	-0.218918
STORY6	-0.214198
STORY5	-0.208593
STORY4	-0.201630
STORY3	-0.194138
STORY2	-0.185424
STORY1	-0.176206
BASE0	-0.167828

I-4- Chargement de la composante de Sylmar County du séisme Northridge

ETABS v9.0.0 File: STRUCTURE ISOLEE LRB 10% Units: KN-m

D I S P L A C E M E N T

STORY	DISP-X
STORY8	-0.324920
STORY7	-0.322080
STORY6	-0.317151
STORY5	-0.310039
STORY4	-0.300839
STORY3	-0.289707
STORY2	-0.276882
STORY1	-0.262896
BASE0	-0.250093

ETABS v9.0.0 File: STRUCTURE ISOLEE LRB 15% Units: KN-m

D I S P L A C E M E N T

STORY	DISP-X
STORY8	-0.302301
STORY7	-0.299586
STORY6	-0.294879
STORY5	-0.288112
STORY4	-0.279407
STORY3	-0.268930
STORY2	-0.256895
STORY1	-0.243824
BASE0	-0.231603

ETABS v9.0.0 File: STRUCTURE ISOLEE LRB 20% Units: KN-m

D I S P L A C E M E N T

STORY	DISP-X
STORY8	-0.279055
STORY7	-0.276518
STORY6	-0.272176
STORY5	-0.266082
STORY4	-0.258754
STORY3	-0.250163
STORY2	-0.240311
STORY1	-0.229877
BASE0	-0.220171

ETABS v9.0.0 File: STRUCTURE ISOLEE LRB 25% Units: KN-m
D I S P L A C E M E N T

STORY	DISP-X
STORY8	-0.255927
STORY7	-0.253356
STORY6	-0.249012
STORY5	-0.243475
STORY4	-0.236891
STORY3	-0.229777
STORY2	-0.221711
STORY1	-0.213338
BASE0	-0.205562

ETABS v9.0.0 File: STRUCTURE ISOLEE LRB 30% Units: KN-m
D I S P L A C E M E N T

STORY	DISP-X
STORY8	-0.244145
STORY7	-0.241592
STORY6	-0.237295
STORY5	-0.231500
STORY4	-0.225013
STORY3	-0.218160
STORY2	-0.210934
STORY1	-0.203683
BASE0	-0.197105

ETABS v9.0.0 File: STRUCTURE ISOLEE LRB 35% Units: KN-m
D I S P L A C E M E N T

STORY	DISP-X
STORY8	-0.255735
STORY7	-0.252966
STORY6	-0.248240
STORY5	-0.241780
STORY4	-0.234194
STORY3	-0.226364
STORY2	-0.218840
STORY1	-0.211604
BASE0	-0.205429

II- Accélération

II-1- Chargement de la composante d'El Centro du séisme d'Imperial Valley

ETABS v9.0.0 File: STRUCTURE ISOLEE LRB 10% Units: KN-m

TIME HISTORY DATA

FUNCTION Joint5: Joint 5 Story STORY8 Acceleration UX

FUNCTION Joint5-1: Joint 5 Story STORY7 Acceleration UX

TIME	FUNCTION Joint5	FUNCTION Joint5-1
6.00000	3.81937	3.69924
6.01000	4.05434	3.79124
6.02000	4.33422	3.91538
6.03000	4.53848	4.00226
6.04000	4.48852	3.92909
6.05000	4.14017	3.68434
6.06000	3.67030	3.43196
6.07000	3.33362	3.37126
6.08000	3.22876	3.53022
6.09000	3.21911	3.71573
6.10000	3.07046	3.66338
6.11000	2.64566	3.22964
6.12000	1.98803	2.47127
6.13000	1.27611	1.59801
6.14000	0.71994	0.86178
6.15000	0.45114	0.43311
6.16000	0.44919	0.31574
6.17000	0.55412	0.35723
6.18000	0.58160	0.36803
6.19000	0.45330	0.25568
6.20000	0.22868	0.06015
6.21000	0.01949	-0.12449
6.22000	-0.11688	-0.24803
6.23000	-0.20472	-0.32915
6.24000	-0.29651	-0.40919
6.25000	-0.41285	-0.50202
6.26000	-0.53596	-0.59185
6.27000	-0.64427	-0.66479
6.28000	-0.73258	-0.72366
6.29000	-0.79819	-0.77008
6.30000	-0.83162	-0.79328
6.31000	-0.84313	-0.79648
6.32000	-0.88311	-0.82016
6.33000	-1.00030	-0.90656
6.34000	-1.16918	-1.03303
6.35000	-1.29206	-1.11499
6.36000	-1.29873	-1.10007
6.37000	-1.22839	-1.04168
6.38000	-1.18682	-1.05021
6.39000	-1.22910	-1.17441
6.40000	-1.31418	-1.35849
6.41000	-1.37322	-1.51471
6.42000	-1.39373	-1.61244

6.43000	-1.42246	-1.68470
6.44000	-1.49855	-1.76312
6.45000	-1.60223	-1.82710
6.46000	-1.66979	-1.81941
6.47000	-1.65498	-1.70849
6.48000	-1.57748	-1.53479
6.49000	-1.50820	-1.38904
6.50000	-1.50466	-1.33934
6.51000	-1.56646	-1.38352
6.52000	-1.65556	-1.47413
6.53000	-1.74380	-1.57391
6.54000	-1.82237	-1.66955
6.55000	-1.88286	-1.75174
6.56000	-1.92340	-1.81851
6.57000	-1.97353	-1.89847
6.58000	-2.07714	-2.03321
6.59000	-2.23673	-2.22170
6.60000	-2.40168	-2.40958
6.61000	-2.52983	-2.55288
6.62000	-2.63614	-2.66823
6.63000	-2.75903	-2.79832
6.64000	-2.89862	-2.94722
6.65000	-3.02171	-3.08282
6.66000	-3.12046	-3.19525
6.67000	-3.23593	-3.32156
6.68000	-3.41485	-3.50411
6.69000	-3.65951	-3.74152
6.70000	-3.92153	-3.98329
6.71000	-4.13300	-4.16138
6.72000	-4.24630	-4.23024
6.73000	-4.25107	-4.18397
6.74000	-4.14964	-4.03148
6.75000	-3.91254	-3.75115
6.76000	-3.48705	-3.29756
6.77000	-2.88284	-2.68505
6.78000	-2.23537	-2.04991
6.79000	-1.73439	-1.57804
6.80000	-1.47172	-1.35200
6.81000	-1.38060	-1.29077
6.82000	-1.32912	-1.24704
6.83000	-1.23942	-1.13424
6.84000	-1.10188	-0.94866

ETABS v9.0.0 File: STRUCTURE ISOLEE LRB 20% Units: KN-m

TIME HISTORY DATA

FUNCTION Joint5: Joint 5 Story STORY8 Acceleration UX

FUNCTION Joint5-1: Joint 5 Story STORY7 Acceleration UX

TIME	FUNCTION Joint5	FUNCTION Joint5-1
5.75000	-0.58538	-0.79893
5.76000	-0.81978	-0.92857
5.77000	-0.92513	-0.93136
5.78000	-0.81694	-0.73164
5.79000	-0.59397	-0.43281
5.80000	-0.47807	-0.25357
5.81000	-0.55164	-0.27230
5.82000	-0.62700	-0.30638
5.83000	-0.43306	-0.09851
5.84000	0.09441	0.40490
5.85000	0.75006	1.00179
5.86000	1.26336	1.43724
5.87000	1.52402	1.61891
5.88000	1.61358	1.64118
5.89000	1.66911	1.64810
5.90000	1.74875	1.69994
5.91000	1.81878	1.75945
5.92000	1.83856	1.77828
5.93000	1.84045	1.78411
5.94000	1.92145	1.87878
5.95000	2.16269	2.15315
5.96000	2.56052	2.60315
5.97000	3.02802	3.12038
5.98000	3.45830	3.56291
5.99000	3.79859	3.85144
6.00000	4.08619	4.02410
6.01000	4.40460	4.19330
6.02000	4.77381	4.41961
6.03000	5.07994	4.62152
6.04000	5.15494	4.64473
6.05000	4.95570	4.44414
6.06000	4.63920	4.16858
6.07000	4.42044	4.02503
6.08000	4.35248	4.05771
6.09000	4.26412	4.08269
6.10000	3.90658	3.83695
6.11000	3.14865	3.18065
6.12000	2.05778	2.18153

ETABS v9.0.0 File: STRUCTURE ISOLEE LRB 30% Units: KN-m
TIME HISTORY DATA
FUNCTION Joint5: Joint 5 Story STORY8 Acceleration UX
FUNCTION Joint5-1: Joint 5 Story STORY7 Acceleration UX

TIME	FUNCTION Joint5	FUNCTION Joint5-1
5.77000	-1.04006	-1.12985
5.78000	-0.92630	-0.93291
5.79000	-0.71489	-0.64392
5.80000	-0.62719	-0.48000
5.81000	-0.74284	-0.51807
5.82000	-0.86952	-0.57334
5.83000	-0.73031	-0.38591
5.84000	-0.25441	0.10029
5.85000	0.35929	0.68520
5.86000	0.84567	1.11561
5.87000	1.09819	1.30023
5.88000	1.20008	1.33320
5.89000	1.28778	1.35683
5.90000	1.41611	1.42869
5.91000	1.54535	1.50914
5.92000	1.62682	1.54848
5.93000	1.68440	1.57393
5.94000	1.80803	1.68684
5.95000	2.07479	1.97621
5.96000	2.48029	2.43441
5.97000	2.93878	2.95042
5.98000	3.34477	3.38460
5.99000	3.64716	3.66633
6.00000	3.88784	3.84424
6.01000	4.16054	4.03586
6.02000	4.50025	4.29903
6.03000	4.80780	4.54675
6.04000	4.92374	4.62347
6.05000	4.80553	4.48824
6.06000	4.60502	4.29388
6.07000	4.52966	4.24560
6.08000	4.62405	4.37985
6.09000	4.70694	4.50192
6.10000	4.51724	4.33703
6.11000	3.90884	3.73365
6.12000	2.93180	2.75073
6.13000	1.78588	1.60815
6.14000	0.71539	0.56922
6.15000	-0.10543	-0.18564

II-2- Chargement de la composante d'Oakland Outer du séisme de Loma Prieta:

ETABS v9.0.0 File:STRUCTURE ISOLEE LRB 10% Units:KN-m

TIME HISTORY DATA

FUNCTION Joint5: Joint 5 Story STORY8 Acceleration UX

FUNCTION Joint5-1: Joint 5 Story STORY7 Acceleration UX

TIME	FUNCTION Joint5	FUNCTION Joint5-1
13.06000	3.27722	3.41536
13.08000	3.20883	3.34676
13.10000	2.55128	2.56650
13.12000	1.45515	1.37662
13.14000	0.99544	0.77107
13.16000	0.96759	0.38059
13.18000	0.71442	0.03411
13.20000	0.19514	0.01247
13.22000	-0.26414	0.15265
13.24000	-0.50809	0.16138
13.26000	-0.40412	0.23782
13.28000	-0.12920	0.34054
13.30000	0.28526	0.49390
13.32000	0.76612	0.71831
13.34000	1.15948	0.94702
13.36000	1.41640	1.12164
13.38000	1.55253	1.23264
13.40000	1.48078	1.22825
13.42000	1.22397	1.09644
13.44000	0.31265	0.26239
13.46000	-0.87797	-0.85766
13.48000	-1.52067	-1.36665
13.50000	-1.83088	-1.60817
13.52000	-1.99004	-1.89487
13.54000	-2.07698	-2.21915
13.56000	-2.25870	-2.55555
13.58000	-2.68812	-2.95078
13.60000	-3.29570	-3.38563
13.62000	-3.94504	-3.83319
13.64000	-4.49820	-4.22405
13.66000	-4.72789	-4.36919
13.68000	-4.97943	-4.62013
13.70000	-5.21390	-4.92917
13.72000	-4.83216	-4.67635
13.74000	-4.49031	-4.47583
13.76000	-4.21667	-4.36070
13.78000	-3.93170	-4.06880
13.80000	-3.29301	-3.13765
13.82000	-1.71729	-1.31129

ETABS v9.0.0 File: STRUCTURE ISOLEE LRB 20% Units: KN-m

TIME HISTORY DATA

FUNCTION Joint5: Joint 5 Story STORY8 Acceleration UX

FUNCTION Joint5-1: Joint 5 Story STORY7 Acceleration UX

TIME	FUNCTION Joint5	FUNCTION Joint5-1
13.28000	-1.30350	-0.32080
13.30000	-1.28544	-0.45123
13.32000	-0.74684	-0.32197
13.34000	0.00478	0.01084
13.36000	0.71917	0.44431
13.38000	1.28310	0.86295
13.40000	1.54730	1.09370
13.42000	1.46503	1.14702
13.44000	0.58847	0.48074
13.46000	-0.57477	-0.60831
13.48000	-1.20139	-1.22734
13.50000	-1.63692	-1.56152
13.52000	-2.04090	-1.85151
13.54000	-2.28756	-2.12415
13.56000	-2.37742	-2.39677
13.58000	-2.50272	-2.72786
13.60000	-2.79489	-3.10662
13.62000	-3.31173	-3.54506
13.64000	-3.98984	-4.01774
13.66000	-4.55375	-4.32193
13.68000	-5.21071	-4.76100
13.70000	-5.76490	-5.22022
13.72000	-5.50220	-5.02699
13.74000	-5.04672	-4.82827
13.76000	-4.54505	-4.56800
13.78000	-3.97438	-4.00482
13.80000	-2.96533	-2.91928
13.82000	-1.10644	-1.04329
13.84000	0.17683	0.23866
13.86000	0.72679	0.79976
13.88000	1.53803	1.57276
13.90000	2.54160	2.37589
13.92000	3.43199	2.98522
13.94000	3.90556	3.30903
13.96000	3.91617	3.35048
13.98000	3.52316	3.09911
14.00000	2.92842	2.69113
14.02000	2.36363	2.28197

ETABS v9.0.0 File: STRUCTURE ISOLEE LRB 30% Units: KN-m

TIME HISTORY DATA

FUNCTION Joint5: Joint 5 Story STORY8 Acceleration UX

FUNCTION Joint5-1: Joint 5 Story STORY7 Acceleration UX

TIME	FUNCTION Joint5	FUNCTION Joint5-1
13.20000	1.08614	0.88633
13.22000	1.36400	0.88888
13.24000	1.11825	0.73384
13.26000	0.43004	0.49975
13.28000	-0.44274	0.11700
13.30000	-1.02624	-0.25827
13.32000	-1.08502	-0.43683
13.34000	-0.72862	-0.38488
13.36000	-0.15482	-0.12977
13.38000	0.46652	0.24985
13.40000	0.90511	0.56415
13.42000	1.05636	0.73035
13.44000	0.38241	0.18350
13.46000	-0.67092	-0.72885
13.48000	-1.19978	-1.21176
13.50000	-1.50648	-1.53349
13.52000	-1.85987	-1.85375
13.54000	-2.20510	-2.12984
13.56000	-2.45749	-2.37814
13.58000	-2.65783	-2.65911
13.60000	-2.84723	-2.94947
13.62000	-3.10304	-3.28784
13.64000	-3.49356	-3.67466
13.66000	-3.89567	-3.92414
13.68000	-4.57816	-4.41339
13.70000	-5.35227	-5.03396
13.72000	-5.45941	-5.06066
13.74000	-5.41926	-5.04730
13.76000	-5.21013	-4.84777
13.78000	-4.62626	-4.31199
13.80000	-3.35542	-3.21238
13.82000	-1.20258	-1.22795
13.84000	0.27886	0.17452
13.86000	0.89704	0.77776
13.88000	1.63107	1.52993
13.90000	2.44617	2.37508
13.92000	3.22338	3.10589
13.94000	3.84679	3.57198
13.96000	4.24518	3.77766

II-3- Chargement de la composante de Lexington Dam du séisme de Loma Prieta:

ETABS v9.0.0 File: STRUCTURE ISOLEE LRB 10% Units: KN-m

TIME HISTORY DATA

FUNCTION Joint5: Joint 5 Story STORY8 Acceleration UX

FUNCTION Joint5-1: Joint 5 Story STORY7 Acceleration UX

TIME	FUNCTION Joint5	FUNCTION Joint5-1
5.04000	0.16369	0.10704
5.06000	-0.07673	-0.06962
5.08000	-0.42298	-0.35021
5.10000	-0.52589	-0.43220
5.12000	-0.42558	-0.28729
5.14000	-0.17222	0.00738
5.16000	0.27765	0.35016
5.18000	0.87055	0.78553
5.20000	1.45842	1.41862
5.22000	1.92867	2.14739
5.24000	2.39847	2.86465
5.26000	3.09954	3.58253
5.28000	4.18247	4.44035
5.30000	5.42098	5.37496
5.32000	6.55676	6.27352
5.34000	7.33790	6.93918
5.36000	7.69765	7.27939
5.38000	7.69472	7.30973
5.40000	7.53770	7.22660
5.42000	6.98470	6.76338
5.44000	6.13895	5.97279
5.46000	5.23354	5.06709
5.48000	5.33718	5.24554
5.50000	5.21609	5.42928
5.52000	3.72621	3.88178
5.54000	2.57668	2.04998
5.56000	1.49501	0.52648
5.58000	-0.18551	-0.54089
5.60000	-2.26638	-1.35721
5.62000	-3.61856	-2.26294
5.64000	-3.95855	-3.10203
5.66000	-3.74007	-3.44092
5.68000	-3.33323	-3.28648
5.70000	-2.86975	-2.87769
5.72000	-2.24014	-2.30726
5.74000	-1.57678	-1.74409
5.76000	-0.66015	-0.89388
5.78000	0.11782	-0.06645

ETABS v9.0.0 File: STRUCTURE ISOLEE LRB 20% Units: KN-m

TIME HISTORY DATA

FUNCTION Joint5: Joint 5 Story STORY8 Acceleration UX

FUNCTION Joint5-1: Joint 5 Story STORY7 Acceleration UX

TIME	FUNCTION Joint5	FUNCTION Joint5-1
4.96000	2.29079	1.04591
4.98000	2.41385	1.47751
5.00000	2.03969	1.51969
5.02000	1.53403	1.31080
5.04000	1.00447	0.96738
5.06000	0.32997	0.44776
5.08000	-0.35262	-0.09969
5.10000	-0.64899	-0.38248
5.12000	-0.61045	-0.44458
5.14000	-0.43049	-0.24069
5.16000	-0.07756	0.18423
5.18000	0.57846	0.65892
5.20000	1.37846	1.16910
5.22000	1.91991	1.68835
5.24000	2.09302	2.19566
5.26000	2.21839	2.73851
5.28000	2.77725	3.46414
5.30000	3.83481	4.35029
5.32000	5.19989	5.33728
5.34000	6.48355	6.22880
5.36000	7.40169	6.88257
5.38000	7.84692	7.21899
5.40000	7.95022	7.33422
5.42000	7.43925	6.95661
5.44000	6.46119	6.17210
5.46000	5.36352	5.19261
5.48000	5.30280	5.26930
5.50000	5.09855	5.22272
5.52000	3.45373	3.41636
5.54000	1.95361	1.63058
5.56000	0.69216	0.29323
5.58000	-0.64872	-0.91817
5.60000	-2.32010	-2.13964
5.62000	-3.91487	-3.19277
5.64000	-4.98972	-4.12255
5.66000	-5.42156	-4.73811
5.68000	-5.33741	-4.83854
5.70000	-4.87971	-4.49996

ETABS v9.0.0 File: STRUCTURE ISOLEE LRB 30% Units: KN-m

TIME HISTORY DATA

FUNCTION Joint5: Joint 5 Story STORY8 Acceleration UX

FUNCTION Joint5-1: Joint 5 Story STORY7 Acceleration UX

TIME	FUNCTION Joint5	FUNCTION Joint5-1
4.88000	-3.93490	-3.24349
4.90000	-3.14535	-1.89945
4.92000	-2.11772	-1.20524
4.94000	-0.33659	-0.28259
4.96000	1.56961	0.81458
4.98000	2.82489	1.65527
5.00000	3.31359	2.15987
5.02000	3.15781	2.28991
5.04000	2.52174	2.06218
5.06000	1.48761	1.44208
5.08000	0.38696	0.64969
5.10000	-0.28307	0.12423
5.12000	-0.48742	-0.14513
5.14000	-0.39937	-0.19232
5.16000	-0.14731	0.06096
5.18000	0.33410	0.54039
5.20000	1.06112	1.08679
5.22000	1.73140	1.55826
5.24000	2.08109	1.92412
5.26000	2.16820	2.27239
5.28000	2.35981	2.78749
5.30000	2.86213	3.46905
5.32000	3.76027	4.30550
5.34000	4.89268	5.15479
5.36000	6.03000	5.90697
5.38000	6.94747	6.48761
5.40000	7.60096	6.93316
5.42000	7.57061	6.85944
5.44000	6.88630	6.30082
5.46000	5.85604	5.51540
5.48000	5.76945	5.68132
5.50000	5.55393	5.47013
5.52000	3.74423	3.48698
5.54000	1.90364	1.64093
5.56000	0.36867	0.26949
5.58000	-0.99633	-0.90865
5.60000	-2.39632	-2.16990
5.62000	-3.69013	-3.36968
5.64000	-4.80668	-4.41261
5.66000	-5.64119	-5.16578

II-4- Chargement de la composante de Sylmar County du séisme Northridge:

ETABS v9.0.0 File: STRUCTURE ISOLEE LRB 10% Units: KN-m

TIME HISTORY DATA

FUNCTION Joint5: Joint 5 Story STORY8 Acceleration UX

FUNCTION Joint5-1: Joint 5 Story STORY7 Acceleration UX

TIME	FUNCTION Joint5	FUNCTION Joint5-1
4.00000	2.97138	2.81293
4.02000	3.74979	3.61767
4.04000	3.10968	3.05662
4.06000	2.24089	2.21868
4.08000	2.07768	2.00981
4.10000	2.11859	2.00550
4.12000	2.26039	2.13558
4.14000	2.23072	2.12610
4.16000	2.08106	1.99128
4.18000	1.87125	1.85648
4.20000	1.64142	1.74318
4.22000	1.46605	1.60163
4.24000	0.60668	0.71424
4.26000	-2.06118	-1.95798
4.28000	-3.84887	-3.84558
4.30000	-3.93684	-4.29692
4.32000	-3.88909	-4.42440
4.34000	-4.86629	-4.65130
4.36000	-6.69462	-5.52539
4.38000	-7.87384	-7.03426
4.40000	-7.57271	-7.59126
4.42000	-6.10268	-6.49184
4.44000	-4.19222	-4.58118
4.46000	-2.71647	-2.94119
4.48000	-2.05822	-2.17215
4.50000	-0.52797	-0.45393
4.52000	0.10125	0.76932
4.54000	1.12835	2.11778
4.56000	3.16538	3.22287
4.58000	4.48525	3.36836
4.60000	4.71153	3.47658
4.62000	3.98670	3.48345
4.64000	3.08188	3.24981
4.66000	1.30643	1.53562
4.68000	-0.05659	-0.06347
4.70000	-0.57109	-0.66575
4.72000	-0.87112	-0.81853
4.74000	-1.67382	-1.38865
4.76000	-2.82464	-2.47656

ETABS v9.0.0 File: STRUCTURE ISOLEE LRB 20% Units: KN-m

TIME HISTORY DATA

FUNCTION Joint5: Joint 5 Story STORY8 Acceleration UX

FUNCTION Joint5-1: Joint 5 Story STORY7 Acceleration UX

TIME	FUNCTION Joint5	FUNCTION Joint5-1
3.98000	2.16890	1.97020
4.00000	3.55606	3.31937
4.02000	4.47007	4.25393
4.04000	3.91702	3.74702
4.06000	3.05896	2.91633
4.08000	2.82865	2.68273
4.10000	2.76210	2.61100
4.12000	2.78685	2.63617
4.14000	2.63564	2.48004
4.16000	2.33128	2.19620
4.18000	1.93666	1.90515
4.20000	1.50945	1.65261
4.22000	1.16591	1.41298
4.24000	0.22332	0.44729
4.26000	-2.44645	-2.27897
4.28000	-4.21628	-4.11248
4.30000	-4.24452	-4.31670
4.32000	-3.90471	-4.14102
4.34000	-4.27294	-4.62467
4.36000	-5.95408	-6.11860
4.38000	-8.17231	-7.41826
4.40000	-8.89536	-7.71814
4.42000	-7.35776	-6.87636
4.44000	-4.74530	-5.03595
4.46000	-2.61408	-3.17293
4.48000	-1.62637	-2.09241
4.50000	-0.01443	-0.28361
4.52000	0.48160	0.68732
4.54000	0.98003	1.96253
4.56000	2.43171	3.63753
4.58000	4.15099	4.20031
4.60000	5.73342	4.32445
4.62000	6.13075	4.39512
4.64000	5.31045	4.22003
4.66000	2.66405	2.54202
4.68000	0.29052	0.76850
4.70000	-0.71817	-0.31413
4.72000	-1.09760	-0.96399

ETABS v9.0.0 File: STRUCTURE ISOLEE LRB 30% Units: KN-m

TIME HISTORY DATA

FUNCTION Joint5: Joint 5 Story STORY8 Acceleration UX

FUNCTION Joint5-1: Joint 5 Story STORY7 Acceleration UX

TIME	FUNCTION Joint5	FUNCTION Joint5-1
4.00000	3.47246	3.27686
4.02000	4.56345	4.33845
4.04000	4.17307	3.95666
4.06000	3.44118	3.22947
4.08000	3.28965	3.06038
4.10000	3.24692	3.01229
4.12000	3.24180	3.03031
4.14000	3.02699	2.83628
4.16000	2.64485	2.48393
4.18000	2.16065	2.11482
4.20000	1.63787	1.78129
4.22000	1.20096	1.46763
4.24000	0.18025	0.44098
4.26000	-2.53911	-2.34832
4.28000	-4.34708	-4.22378
4.30000	-4.41209	-4.38720
4.32000	-4.04105	-4.13594
4.34000	-4.28406	-4.41249
4.36000	-5.62812	-5.83542
4.38000	-7.48632	-7.65670
4.40000	-8.66062	-8.16662
4.42000	-8.13186	-7.14047
4.44000	-6.00522	-5.44056
4.46000	-3.65733	-3.74529
4.48000	-2.15822	-2.60907
4.50000	-0.10201	-0.58342
4.52000	0.65037	0.55759
4.54000	1.20084	1.71936
4.56000	2.32916	3.26441
4.58000	3.46764	4.15126
4.60000	5.00750	4.67297
4.62000	6.24844	4.92972
4.64000	6.54952	4.91821
4.66000	4.53433	3.34460
4.68000	1.93155	1.67316
4.70000	0.18263	0.61328
4.72000	-0.79044	-0.29150
4.74000	-1.89888	-1.58097
4.76000	-3.38931	-3.14564
4.78000	-4.19366	-3.90064