

DEAD LOAD DEFLECTION TABLE FOR GIRDERS

		GIRDER #1																																		
		SPAN B																																		
		①	0.03L	0.06L	②	0.12L	0.15L	③	0.21L	0.24L	④	0.30L	0.33L	⑤	0.39L	0.42L	⑥	0.48L	0.52L	⑦	0.58L	0.61L	⑧	0.67L	0.70L	⑨	0.76L	0.79L	⑩	0.85L	0.88L	⑪	0.94L	0.97L	⑫	
A	DEFLECTION DUE TO EXISTING COVERPLATES	↓	0.004	0.026	0.048	0.070	0.091	0.111	0.129	0.145	0.159	0.170	0.180	0.187	0.192	0.195	0.195	0.194	0.189	0.183	0.174	0.164	0.152	0.138	0.124	0.109	0.093	0.078	0.063	0.049	0.037	0.026	0.018	0.011	0.007	0.006
B	DEFLECTION DUE TO NEW STEEL	↓	-0.031	-0.022	-0.014	-0.005	0.002	0.010	0.017	0.023	0.029	0.034	0.038	0.041	0.044	0.046	0.047	0.047	0.047	0.046	0.044	0.042	0.039	0.035	0.032	0.028	0.024	0.020	0.016	0.013	0.010	0.007	0.005	0.004	0.003	0.003
C	DEFLECTION DUE TO SLAB AND BARRIER RAIL IN BAY 2	↓	-0.010	0.023	0.055	0.087	0.116	0.144	0.170	0.193	0.213	0.231	0.244	0.254	0.260	0.263	0.262	0.258	0.249	0.238	0.225	0.208	0.189	0.170	0.148	0.126	0.105	0.084	0.065	0.049	0.035	0.024	0.016	0.012	0.010	0.012
D	DEFLECTION DUE TO BAY 3 DECK REMOVAL	↓	0.011	0.016	0.023	0.029	0.036	0.042	0.049	0.054	0.060	0.065	0.069	0.072	0.075	0.077	0.078	0.078	0.077	0.076	0.074	0.070	0.066	0.062	0.057	0.051	0.045	0.039	0.032	0.027	0.021	0.016	0.011	0.007	0.004	0.002
E	DEFLECTION DUE TO SLAB AND BARRIER RAIL IN BAY 3	↓	-0.020	-0.032	-0.045	-0.058	-0.070	-0.082	-0.093	-0.103	-0.112	-0.120	-0.126	-0.131	-0.135	-0.136	-0.137	-0.136	-0.133	-0.129	-0.123	-0.116	-0.108	-0.099	-0.089	-0.078	-0.068	-0.057	-0.047	-0.037	-0.028	-0.020	-0.014	-0.009	-0.005	-0.003
F	DEFLECTION DUE TO BAY 1 DECK REMOVAL	↓	-0.031	-0.253	-0.473	-0.686	-0.887	-1.076	-1.249	-1.403	-1.537	-1.650	-1.740	-1.809	-1.855	-1.876	-1.875	-1.853	-1.808	-1.743	-1.660	-1.558	-1.441	-1.312	-1.173	-1.029	-0.883	-0.738	-0.601	-0.474	-0.359	-0.259	-0.178	-0.115	-0.072	-0.057
G	DEFLECTION DUE TO SLAB IN BAY 1	↓	0.035	0.262	0.486	0.703	0.910	1.104	1.282	1.441	1.582	1.703	1.800	1.876	1.930	1.958	1.964	1.948	1.908	1.848	1.768	1.668	1.550	1.417	1.274	1.121	0.966	0.816	0.672	0.538	0.416	0.307	0.215	0.140	0.082	0.049
H	DEFLECTION DUE TO FINAL BARRIER RAILS AND PPC	↓	0.017	0.072	0.128	0.181	0.232	0.280	0.324	0.364	0.399	0.428	0.453	0.472	0.485	0.492	0.493	0.489	0.479	0.465	0.445	0.421	0.393	0.361	0.327	0.290	0.254	0.217	0.181	0.147	0.116	0.087	0.062	0.043	0.029	0.022
I	TOTAL SDL (I = A+B+C+D+E+F+G+H)	↓	-0.026	0.092	0.209	0.321	0.431	0.534	0.628	0.715	0.793	0.861	0.917	0.963	0.997	1.018	1.027	1.025	1.010	0.983	0.947	0.899	0.840	0.772	0.698	0.618	0.536	0.458	0.383	0.312	0.247	0.188	0.136	0.093	0.058	0.034

DEAD LOAD DEFLECTION TABLE FOR GIRDERS

		GIRDER #1																																											
		SPAN C																																											
		⑫	0.02L	0.05L	⑬	0.10L	0.12L	⑭	0.17L	0.19L	⑮	0.24L	0.26L	⑯	0.31L	0.33L	⑰	0.38L	0.40L	⑱	0.45L	0.48L	⑲	0.52L	0.55L	⑳	0.60L	0.62L	㉑	0.67L	0.69L	㉒	0.74L	0.76L	㉓	0.81L	0.83L	㉔	0.88L	0.90L	㉕	0.95L	0.98L	㉖	
A	DEFLECTION DUE TO EXISTING COVERPLATES	↓	0.006	0.010	0.017	0.027	0.038	0.052	0.068	0.085	0.103	0.122	0.141	0.160	0.178	0.195	0.211	0.225	0.238	0.249	0.257	0.263	0.267	0.268	0.267	0.263	0.257	0.249	0.238	0.225	0.211	0.195	0.178	0.160	0.141	0.122	0.103	0.085	0.068	0.052	0.038	0.027	0.017	0.010	0.006
B	DEFLECTION DUE TO NEW STEEL	↓	0.003	0.004	0.006	0.009	0.013	0.017	0.022	0.027	0.032	0.038	0.044	0.050	0.056	0.061	0.066	0.071	0.075	0.078	0.081	0.083	0.084	0.085	0.084	0.083	0.081	0.078	0.075	0.071	0.067	0.062	0.056	0.050	0.045	0.039	0.033	0.027	0.022	0.017	0.013	0.010	0.007	0.004	0.003
C	DEFLECTION DUE TO SLAB AND BARRIER RAIL IN BAY 2	↓	0.012	0.020	0.031	0.046	0.063	0.083	0.107	0.132	0.160	0.190	0.220	0.250	0.280	0.308	0.334	0.359	0.379	0.397	0.412	0.422	0.429	0.432	0.429	0.423	0.414	0.400	0.382	0.362	0.338	0.311	0.284	0.254	0.223	0.193	0.163	0.135	0.109	0.085	0.064	0.046	0.031	0.020	0.011
D	DEFLECTION DUE TO BAY 3 DECK REMOVAL	↓	0.002	0.003	0.005	0.009	0.013	0.018	0.024	0.030	0.037	0.045	0.052	0.059	0.066	0.073	0.079	0.084	0.089	0.092	0.096	0.098	0.099	0.100	0.099	0.098	0.096	0.093	0.089	0.084	0.079	0.073	0.067	0.059	0.052	0.045	0.037	0.030	0.024	0.018	0.013	0.009	0.005	0.003	0.002
E	DEFLECTION DUE TO SLAB AND BARRIER RAIL IN BAY 3	↓	-0.003	-0.005	-0.009	-0.014	-0.020	-0.027	-0.036	-0.045	-0.056	-0.067	-0.078	-0.089	-0.100	-0.110	-0.120	-0.129	-0.136	-0.143	-0.148	-0.151	-0.153	-0.155	-0.153	-0.151	-0.148	-0.142	-0.136	-0.129	-0.120	-0.110	-0.100	-0.089	-0.077	-0.066	-0.055	-0.045	-0.035	-0.027	-0.019	-0.013	-0.008	-0.005	-0.003
F	DEFLECTION DUE TO BAY 1 DECK REMOVAL	↓	-0.057	-0.094	-0.158	-0.243	-0.344	-0.463	-0.598	-0.745	-0.904	-1.069	-1.237	-1.403	-1.565	-1.717	-1.859	-1.987	-2.098	-2.191	-2.267	-2.320	-2.353	-2.364	-2.353	-2.320	-2.267	-2.192	-2.098	-1.987	-1.859	-1.717	-1.565	-1.404	-1.237	-1.070	-0.904	-0.745	-0.598	-0.463	-0.344	-0.242	-0.158	-0.093	-0.055
G	DEFLECTION DUE TO SLAB IN BAY 1	↓	0.049	0.064	0.102	0.159	0.231	0.319	0.421	0.535	0.659	0.788	0.921	1.052	1.179	1.301	1.413	1.514	1.601	1.675	1.733	1.774	1.798	1.805	1.793	1.764	1.718	1.655	1.579	1.489	1.387	1.274	1.153	1.027	0.899	0.771	0.645	0.523	0.411	0.312	0.225	0.155	0.099	0.061	0.047
H	DEFLECTION DUE TO FINAL BARRIER RAILS AND PPC	↓	0.022	0.036	0.057	0.084	0.115	0.151	0.191	0.235	0.281	0.329	0.377	0.423	0.467	0.509	0.547	0.581	0.610	0.634	0.652	0.664	0.671	0.672	0.668	0.659	0.644	0.624	0.600	0.570	0.537	0.499	0.458	0.415	0.370	0.324	0.278	0.233	0.190	0.151	0.115	0.084	0.057	0.035	0.022
I	TOTAL SDL (I = A+B+C+D+E+F+G+H)	↓	0.034	0.038	0.053	0.077	0.110	0.151	0.199	0.253	0.314	0.375	0.439	0.502	0.561	0.619	0.671	0.718	0.758	0.791	0.817	0.833	0.841	0.842	0.834	0.818	0.796	0.765	0.728	0.686	0.639	0.587	0.531	0.474	0.416	0.357	0.300	0.243	0.190	0.145	0.106	0.074	0.050	0.036	0.033

DEAD LOAD DEFLECTION TABLE FOR GIRDERS

		GIRDER #1																																		
		SPAN D																																		
		⑳	0.03L	0.06L	㉑	0.12L	0.15L	㉒	0.21L	0.24L	㉓	0.30L	0.33L	㉔	0.39L	0.42L	㉕	0.48L	0.52L	㉖	0.58L	0.61L	㉗	0.67L	0.70L	㉘	0.76L	0.79L	㉙	0.85L	0.88L	㉚	0.94L	0.97L	㉛	
A	DEFLECTION DUE TO EXISTING COVERPLATES	↓	0.006	0.007	0.011	0.017	0.026	0.036	0.049	0.062	0.077	0.093	0.108	0.123	0.138	0.151	0.163	0.174	0.182	0.189	0.193	0.195	0.194	0.192	0.187	0.179	0.170	0.158	0.144	0.128	0.110	0.091	0.070	0.048	0.026	0.003
B	DEFLECTION DUE TO NEW STEEL	↓	0.003	0.003	0.004	0.005	0.007	0.010	0.013	0.016	0.020	0.024	0.028	0.032	0.036	0.040	0.043	0.046	0.048	0.049	0.050	0.050	0.049	0.047	0.045	0.042	0.038	0.033	0.027	0.021	0.015	0.007	0.000	-0.008	-0.017	-0.025
C	DEFLECTION DUE TO SLAB AND BARRIER RAIL IN BAY 2	↓	0.011	0.009	0.011	0.015	0.023	0.034	0.048	0.064	0.082	0.103	0.124	0.146	0.168	0.187	0.206	0.223	0.236	0.247	0.256	0.260	0.261	0.259	0.252	0.242	0.229	0.212	0.192	0.169	0.143	0.115	0.086	0.054	0.022	-0.012
D	DEFLECTION DUE TO BAY 3 DECK REMOVAL	↓	0.002	0.004	0.007	0.011	0.016	0.021	0.027	0.032	0.039	0.045	0.051	0.057	0.062	0.066	0.070	0.074	0.076	0.077	0.078	0.077	0.076	0.075	0.072	0.068	0.064	0.059	0.054	0.048	0.042	0.036	0.029	0.023	0.016	0.011
E	DEFLECTION DUE TO SLAB AND BARRIER RAIL IN BAY 3	↓	-0.003	-0.005	-0.009	-0.014	-0.021	-0.028	-0.037	-0.047	-0.057	-0.068	-0.079	-0.089	-0.099	-0.108	-0.116	-0.123	-0.129	-0.133	-0.136	-0.137	-0.136	-0.135	-0.131	-0.126	-0.120	-0.111	-0.102	-0.093	-0.081	-0.070	-0.057	-0.045	-0.032	-0.020
F	DEFLECTION DUE TO BAY 1 DECK REMOVAL	↓	-0.055	-0.070	-0.113	-0.175	-0.255	-0.355	-0.470	-0.596	-0.733	-0.877	-1.023	-1.167	-1.305	-1.433	-1.550	-1.651	-1.734	-1.799	-1.844	-1.866	-1.867	-1.845	-1.799	-1.731	-1.641	-1.528	-1.395	-1.242	-1.069	-0.881	-0.681	-0.469	-0.249	-0.030
G	DEFLECTION DUE TO SLAB IN BAY 1	↓	0.047	0.082	0.140	0.216	0.308	0.417	0.540	0.674	0.818	0.968	1.123	1.275	1.419	1.551	1.668	1.768	1.847	1.907	1.947	1.962	1.956	1.927	1.873	1.797	1.700	1.578	1.437	1.278	1.100	0.907	0.700	0.484	0.260	0.034
H	DEFLECTION DUE TO FINAL BARRIER RAILS AND PPC	↓	0.022	0.026	0.039	0.057	0.081	0.108	0.139	0.172	0.207	0.243	0.279	0.314	0.347	0.377	0.405	0.427	0.446	0.460	0.469	0.473	0.472	0.465	0.453	0.436	0.412	0.384	0.350	0.312	0.270	0.224	0.174	0.122	0.069	0.015
I	TOTAL SDL (I = A+B+C+D+E+F+G+H)	↓	0.033	0.056	0.09																															