

FOUNDATION LOAD TEST

PROJECT: 851 W Grand
 LOCATION: Chicago, IL
 DATE:
 VSC NUMBER: LT1, LT2, LT3

VSC DATA

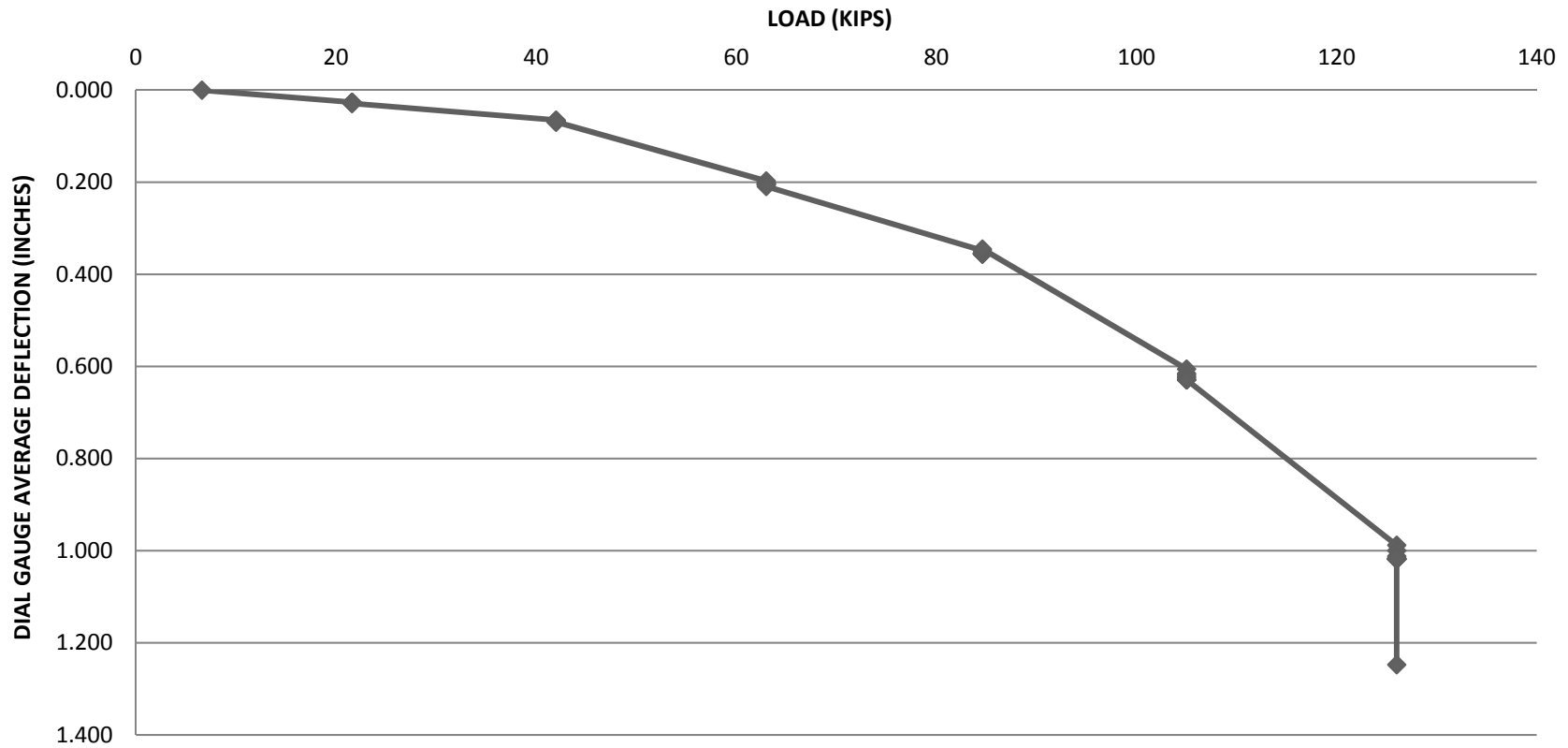
VSC Location: TBD
 VSC Diameter: 24"
 Embedment Depth:

Design Load, DL = 126 kips (63 Tons)
 Max. Test Load, P_t = 2.0 x DL = 252 kips (126 Tons)

LOAD INCREMENT	INDIV JACK PRESSURE (PSI)	INDIV JACK LOAD (KIPS)	TOTAL LOAD - 6 JACKS (KIPS)	HOLD TIME PER LOAD INCREMENT (TIME BEGINS ONCE LOAD IS REACHED, TAKE READINGS WHEN HOLD TIME IS REACHED)		DIAL GAUGE #1	DIAL GAUGE #2	DIAL GAUGE #3	DIAL GAUGE #4	DIAL GAUGE #5	DIAL GAUGE #6	DIAL GAUGE #7	DIAL GAUGE #8	DIAL GAUGE #9	DIAL GAUGE #10	DIAL GAUGE AVERAGE	DIAL GAUGE DEFLECTION (AS REFERENCED TO ZERO MINUTE AL)	TELLTALE GAUGE #1	TELLTALE GAUGE #2	TELLTALE DIAL GAUGE AVERAGE	TELLTALE AVERAGE DEFLECTION (AS REFERENCED TO ZERO MINUTE AL)	
0.05	0.05 DL (AL)	110	1.1	6.6	1	1 Minutes	1.552	1.815	1.731	1.859	1.622	1.900	1.548	1.651	1.560	1.636	1.739	0.000	1.865	0.820	1.343	0.000
0.17	0.17 DL	340	3.6	21.6	0	0 Minutes	1.519	1.783	1.709	1.841	1.609	1.882	1.528	1.627	1.528	1.600	1.713	0.026	1.862	0.910	1.386	0.044
0.17	0.17 DL	340	3.6	21.6	1	1 Minutes	1.519	1.783	1.709	1.841	1.609	1.882	1.527	1.627	1.528	1.600	1.713	0.026	1.862	0.910	1.386	0.044
0.17	0.17 DL	340	3.6	21.6	2	2 Minutes	1.518	1.781	1.708	1.839	1.608	1.882	1.526	1.626	1.527	1.601	1.712	0.028	1.862	0.910	1.386	0.044
0.17	0.17 DL	340	3.6	21.6	5	5 Minutes	1.518	1.781	1.708	1.839	1.608	1.882	1.526	1.626	1.527	1.600	1.712	0.028	1.862	0.910	1.386	0.044
0.17	0.17 DL	340	3.6	21.6	10	10 Minutes	1.518	1.781	1.708	1.839	1.607	1.881	1.526	1.626	1.526	1.599	1.712	0.028	1.862	0.910	1.386	0.044
0.17	0.17 DL	340	3.6	21.6	25	25 Minutes	1.518	1.781	1.708	1.838	1.607	1.881	1.525	1.626	1.526	1.599	1.711	0.028	1.862	0.910	1.386	0.044
0.17	0.17 DL	340	3.6	21.6	45	45 Minutes	1.517	1.780	1.708	1.837	1.607	1.881	1.525	1.626	1.526	1.599	1.711	0.029	1.861	0.909	1.385	0.043
0.17	0.17 DL	340	3.6	21.6	80	80 Minutes	1.517	1.780	1.708	1.837	1.607	1.880	1.525	1.626	1.525	1.598	1.711	0.029	1.861	0.909	1.385	0.043
0.33	0.33 DL	660	7.0	42.0	0	0 Minutes	1.475	1.739	1.671	1.812	1.589	1.864	1.495	1.592	1.476	1.550	1.674	0.065	1.859	0.909	1.384	0.041
0.33	0.33 DL	660	7.0	42.0	1	1 Minutes	1.473	1.738	1.669	1.811	1.588	1.862	1.494	1.591	1.474	1.549	1.673	0.066	1.859	0.909	1.384	0.041
0.33	0.33 DL	660	7.0	42.0	2	2 Minutes	1.473	1.738	1.668	1.811	1.588	1.862	1.493	1.590	1.474	1.549	1.673	0.067	1.859	0.909	1.384	0.041
0.33	0.33 DL	660	7.0	42.0	5	5 Minutes	1.472	1.738	1.667	1.811	1.586	1.862	1.493	1.590	1.473	1.549	1.672	0.067	1.859	0.909	1.384	0.041
0.33	0.33 DL	660	7.0	42.0	10	10 Minutes	1.471	1.736	1.666	1.810	1.585	1.861	1.491	1.588	1.469	1.548	1.671	0.069	1.859	0.909	1.384	0.041
0.33	0.33 DL	660	7.0	42.0	25	25 Minutes	1.471	1.736	1.666	1.810	1.585	1.860	1.491	1.587	1.469	1.547	1.671	0.069	1.859	0.909	1.384	0.041
0.33	0.33 DL	660	7.0	42.0	45	45 Minutes	1.471	1.735	1.666	1.810	1.585	1.859	1.491	1.587	1.469	1.547	1.671	0.069	1.859	0.909	1.384	0.041
0.33	0.33 DL	660	7.0	42.0	100	100 Minutes	1.471	1.734	1.665	1.810	1.585	1.859	1.490	1.587	1.468	1.546	1.670	0.069	1.859	0.909	1.384	0.041
0.50	0.5 DL	990	10.5	63.0	0	0 Minutes	1.325	1.591	1.541	1.711	1.503	1.782	1.376	1.468	1.331	1.401	1.542	0.197	1.859	0.909	1.384	0.041
0.50	0.5 DL	990	10.5	63.0	1	1 Minutes	1.318	1.586	1.538	1.709	1.501	1.776	1.371	1.463	1.326	1.396	1.538	0.202	1.859	0.909	1.384	0.041
0.50	0.5 DL	990	10.5	63.0	2	2 Minutes	1.318	1.586	1.537	1.708	1.500	1.774	1.370	1.462	1.325	1.394	1.537	0.202	1.859	0.909	1.384	0.041
0.50	0.5 DL	990	10.5	63.0	5	5 Minutes	1.317	1.585	1.534	1.706	1.499	1.772	1.369	1.462	1.324	1.393	1.536	0.204	1.859	0.909	1.384	0.041
0.50	0.5 DL	990	10.5	63.0	10	10 Minutes	1.317	1.584	1.531	1.705	1.499	1.772	1.368	1.462	1.324	1.393	1.534	0.205	1.859	0.909	1.384	0.041
0.50	0.5 DL	990	10.5	63.0	25	25 Minutes	1.316	1.584	1.531	1.705	1.498	1.771	1.367	1.462	1.323	1.393	1.534	0.205	1.859	0.909	1.384	0.041
0.50	0.5 DL	990	10.5	63.0	45	45 Minutes	1.315	1.584	1.531	1.705	1.497	1.769	1.367	1.462	1.322	1.393	1.534	0.206	1.859	0.909	1.384	0.041
0.50	0.5 DL	990	10.5	63.0	100	100 Minutes	1.312	1.579	1.528	1.701	1.494	1.764	1.365	1.459	1.319	1.391	1.530	0.209	1.859	0.909	1.384	0.041
0.67	0.67 DL	1,330	14.1	84.6	0	0 Minutes	1.136	1.447	1.398	1.582	1.401	1.662	1.255	1.328	1.170	1.339	1.391	0.349	1.856	0.905	1.381	0.038
0.67	0.67 DL	1,330	14.1	84.6	1	1 Minutes	1.129	1.442	1.395	1.576	1.399	1.662	1.249	1.322	1.167	1.339	1.386	0.354	1.856	0.905	1.381	0.038
0.67	0.67 DL	1,330	14.1	84.6	2	2 Minutes	1.128	1.441	1.393	1.575	1.398	1.660	1.246	1.320	1.164	1.338	1.384	0.355	1.857	0.906	1.382	0.039
0.67	0.67 DL	1,330	14.1	84.6	5	5 Minutes	1.127	1.441	1.392	1.574	1.396	1.660	1.245	1.320	1.164	1.338	1.384	0.356	1.857	0.906	1.382	0.039
0.67	0.67 DL	1,330	14.1	84.6	10	10 Minutes	1.128	1.441	1.392	1.573	1.395	1.659	1.245	1.320	1.164	1.338	1.384	0.356	1.856	0.905	1.381	0.038
0.67	0.67 DL	1,330	14.1	84.6	25	25 Minutes	1.128	1.441	1.392	1.573	1.394	1.659	1.245	1.319	1.164	1.337	1.384	0.356	1.858	0.907	1.383	0.040
0.67	0.67 DL	1,330	14.1	84.6	45	45 Minutes	1.132	1.443	1.393	1.573	1.395	1.659	1.247	1.325	1.164	1.337	1.385	0.354	1.854	0.909	1.382	0.039
0.67	0.67 DL	1,330	14.1	84.6	100	100 Minutes	1.142	1.455	1.400	1.580	1.398	1.653	1.243	1.318	1.164	1.336	1.394	0.345	1.854	0.909	1.382	0.039
0.83	0.83 DL	1,650	17.5	105.0	0	0 Minutes	0.844	1.169	1.157	1.365	1.230	1.472	1.038	1.062	0.901	0.925	1.134	0.606	1.858	0.900	1.379	0.037
0.83	0.83 DL	1,650	17.5	105.0	1	1 Minutes	0.828	1.158	1.150	1.359	1.225	1.469	1.034	1.056	0.898	0.914	1.124	0.616	1.857	0.900	1.379	0.036
0.83	0.83 DL	1,650	17.5	105.0	2	2 Minutes	0.824	1.156	1.144	1.356	1.223	1.468	1.032	1.053	0.894	0.915	1.121	0.618	1.859	0.900	1.380	0.037
0.83	0.83 DL	1,650	17.5	105.0	5	5 Minutes	0.819	1.152	1.148	1.353	1.220	1.462	1.029	1.049	0.892	0.912	1.117	0.622	1.858	0.900	1.379	0.037
0.83	0.83 DL	1,650	17.5	105.0	10	10 Minutes	0.816	1.150	1.142	1.350	1.218	1.461	1.027	1.048	0.888	0.907	1.115	0.625	1.858	0.906	1.382	0.040
0.83	0.83 DL	1,650	17.5	105.0	25	25 Minutes	0.811	1.147	1.138	1.346	1.215	1.456	1.022	1.047	0.884	0.904	1.111	0.629	1.858	0.906	1.382	0.040
0.83	0.83 DL	1,650	17.5	105.0	45	45 Minutes	0.811	1.147	1.138	1.345	1.215	1.456	1.022	1.041	0.884	0.904	1.110	0.629	1.858	0.907	1.383	0.040
0.83	0.83 DL	1,650	17.5	105.0	100	100 Minutes	0.811	1.147	1.138	1.345	1.215	1.456	1.022	1.041	0.884	0.904	1.110	0.629	1.857	0.908	1.383	0.040
1.00	1 DL	1,970	21.0	126.0	0	0 Minutes	0.375	0.775	0.804	1.050	0.965	1.198	0.710	0.675	0.605	0.439	0.751	0.988	1.849	0.892	1.371	0.028
1.00	1 DL	1,970	21.0	126.0	1	1 Minutes	0.362	0.761	0.789	1.046	0.959	1.184	0.698	0.662	0.494	0.435	0.740	1.000	1.849	0.892	1.371	0.028
1.00	1 DL	1,970	21.0	126.0	2	2 Minutes	0.350	0.749	0.772	1.039	0.955	1.179	0.691	0.656	0.485	0.430	0.728	1.012	1.850	0.892	1.371	0.029
1.00	1 DL	1,970	21.0	126.0	3	3 Minutes	0.345	0.745	0.771	1.034	0.951	1.180	0.695	0.652	0.482	0.429	0.724	1.016	1.849	0.895	1.372	0.029
1.00	1 DL	1,970	21.0	126.0	10	10 Minutes	0.340	0.742	0.771	1.033	0.950	1.179	0.694	0.651	0.481	0.428	0.722	1.018	1.849	0.897	1.373	0.031
1.00	1 DL	1,970	21.0	126.0	15	15 Minutes	0.340	0.742	0.771	1.033	0.949	1.179										

FOUNDATION LOAD TEST RESULTS - VSC: LT1, LT2, LT3

PLOT OF LOAD VERSUS DIAL GAUGE AVERAGE DEFLECTION



FOUNDATION LOAD TEST RESULTS - TELLTALE: LT1, LT2, LT3 PLOT OF LOAD VERSUS DIAL GAUGE AVERAGE DEFLECTION

