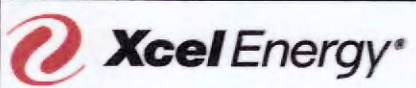


STRUCTURES									STRUCTURE COMPONENTS			
STRUCTURE NUMBER	SPAN AHEAD (FT)	STATION (FT)	LINE ANGLE (DEG)	STRUCTURE ASSEMBLY	LOAD & DESIGN DETAILS	STEEL or TOWER DETAILS	FOUNDATION DETAILS	COMMENTS	POSITION LABEL	DESCRIPTION	LENGTH (FT)	EMBEDMENT (FT)
0966-296	1001.5	310858.3	0.0	STR NH-263138	LD NH-263072	STL ND-263108-PST263	FDN NH-263867-ABC1796	SEGMENT-19	CENTER	POLE, STEEL, TUBULAR, WEATHERING	130.0	---
0966-297	906.1	311859.8	7.4	STR NH-263572	LD NH-263077	STL ND-263110-PST280	FDN NH-263867-ABC1801	SEGMENT-19	CENTER	POLE, STEEL, TUBULAR, WEATHERING	135.0	---
0966-298-DE	984.3	312765.9	82.6	STR NH-263151	LD NH-263094	STL ND-263124-PST322	FDN NH-263867-ABC1826	SEGMENT-19	CENTER	POLE, STEEL, TUBULAR, WEATHERING	150.0	---
0966-299	991.0	313750.2	0.0	STR NH-263138	LD NH-263072	STL ND-263108-PST262	FDN NH-263867-ABC1795	SEGMENT-20	CENTER	POLE, STEEL, TUBULAR, WEATHERING	125	---
0966-300	984.3	314741.2	0.0	STR NH-263138	LD NH-263072	STL ND-263108-PST263	FDN NH-263867-ABC1796	SEGMENT-20	CENTER	POLE, STEEL, TUBULAR, WEATHERING	130.0	---
0966-301	957.8	315725.6	-24.5	STR NH-263143	LD NH-263081	STL ND-263116-PST292	FDN NH-263867-ABC1807	SEGMENT-20	CENTER	POLE, STEEL, TUBULAR, WEATHERING	130.0	---
0966-302	957.8	316683.3	0.0	STR NH-263138	LD NH-263072	STL ND-263108-PST260	FDN NH-263867-ABC1795	SEGMENT-20	CENTER	POLE, STEEL, TUBULAR, WEATHERING	115.0	---
0966-303	943.0	317641.1	0.0	STR NH-263138	LD NH-263072	STL ND-263108-PST259	FDN NH-263867-ABC1795	SEGMENT-20	CENTER	POLE, STEEL, TUBULAR, WEATHERING	110.0	---
0966-304	972.5	318584.1	0.0	STR NH-263138	LD NH-263072	STL ND-263108-PST260	FDN NH-263867-ABC1795	SEGMENT-20	CENTER	POLE, STEEL, TUBULAR, WEATHERING	115.0	---
0966-305	967.8	319556.7	0.0	STR NH-263138	LD NH-263072	STL ND-263108-PST258	FDN NH-263867-ABC1795	SEGMENT-20	CENTER	POLE, STEEL, TUBULAR, WEATHERING	105.0	---
0966-306	947.8	320524.5	0.0	STR NH-263138	LD NH-263072	STL ND-263108-PST260	FDN NH-263867-ABC1795	SEGMENT-20	CENTER	POLE, STEEL, TUBULAR, WEATHERING	115.0	---
0966-307	957.8	321472.3	0.0	STR NH-263138	LD NH-263072	STL ND-263108-PST259	FDN NH-263867-ABC1795	SEGMENT-20	CENTER	POLE, STEEL, TUBULAR, WEATHERING	110.0	---
0966-308	967.4	322430.0	0.0	STR NH-263138	LD NH-263072	STL ND-263108-PST258	FDN NH-263867-ABC1795	SEGMENT-20	CENTER	POLE, STEEL, TUBULAR, WEATHERING	105.0	---
0966-309	957.4	323397.4	0.0	STR NH-263138	LD NH-263072	STL ND-263108-PST262	FDN NH-263867-ABC1795	SEGMENT-20	CENTER	POLE, STEEL, TUBULAR, WEATHERING	125.0	---
0966-310	1028.8	324354.8	3.5	STR NH-263140	LD NH-263074	STL ND-263110-PST274	FDN NH-263867-ABC1799	SEGMENT-20	CENTER	POLE, STEEL, TUBULAR, WEATHERING	130.0	---
0966-311	1018.3	325383.5	19.9	STR NH-263143	LD NH-263081	STL ND-263116-PST2145	FDN NH-263867-ABC1807	SEGMENT-20	CENTER	POLE, STEEL, TUBULAR, WEATHERING	125.0	---
0966-312	1077.6	326401.8	0.9	STR NH-263138	LD NH-263072	STL ND-263108-PST264	FDN NH-263867-ABC1796	SEGMENT-20	CENTER	POLE, STEEL, TUBULAR, WEATHERING	135.0	---
0966-313	1058.4	327479.3	-0.4	STR NH-263138	LD NH-263072	STL ND-263108-PST264	FDN NH-263867-ABC1796	SEGMENT-20	CENTER	POLE, STEEL, TUBULAR, WEATHERING	135.0	---
0966-314	1027.9	328537.8	0.0	STR NH-263138	LD NH-263072	STL ND-263108-PST2142	FDN NH-263867-ABC1799	SEGMENT-20	CENTER	POLE, STEEL, TUBULAR, WEATHERING	145.0	---
0966-315	1061.6	329565.6	1.2	STR NH-263138	LD NH-263072	STL ND-263108-PST268	FDN NH-263867-ABC1801	SEGMENT-20	CENTER	POLE, STEEL, TUBULAR, WEATHERING	160.0	---
0966-316	1061.5	330627.2	0.3	STR NH-263138	LD NH-263072	STL ND-263108-PST2141	FDN NH-263867-ABC1793	SEGMENT-20	CENTER	POLE, STEEL, TUBULAR, WEATHERING	95.0	---
0966-317	1053.3	331688.7	-0.5	STR NH-263138	LD NH-263072	STL ND-263108-PST260	FDN NH-263867-ABC1795	SEGMENT-20	CENTER	POLE, STEEL, TUBULAR, WEATHERING	115.0	---
0966-318-FDE	963.6	332742.0	-0.9	STR NH-263139	LD NH-263073	STL ND-263108-PST2143	FDN NH-263867-ABC1794	SEGMENT-20	CENTER	POLE, STEEL, TUBULAR, WEATHERING	110.0	---
0966-319	984.8	333705.5	0.0	STR NH-263138	LD NH-263072	STL ND-263108-PST257	FDN NH-263867-ABC1794	SEGMENT-21	CENTER	POLE, STEEL, TUBULAR, WEATHERING	100.0	---
0966-320	789.3	334690.3	0.1	STR NH-263138	LD NH-263072	STL ND-263108-PST258	FDN NH-263867-ABC1795	SEGMENT-21	CENTER	POLE, STEEL, TUBULAR, WEATHERING	105.0	---
0966-321-DE	898.3	335479.6	0.0	STR NH-263149	LD NH-263086	STL ND-263122-PST304	FDN NH-263867-ABC1804	SEGMENT-21	CENTER	POLE, STEEL, TUBULAR, WEATHERING	110.0	---
0966-322-DE	886.0	336377.9	1.1	STR NH-263149	LD NH-263086	STL ND-263122-PST306	FDN NH-263867-ABC1809	SEGMENT-21	CENTER	POLE, STEEL, TUBULAR, WEATHERING	120.0	---
0966-323	888.6	337264.0	-1.2	STR NH-263138	LD NH-263072	STL ND-263108-PST262	FDN NH-263867-ABC1795	SEGMENT-21	CENTER	POLE, STEEL, TUBULAR, WEATHERING	125.0	---
0966-324-DE	879.9	338152.5	-1.2	STR NH-263149	LD NH-263086	STL ND-263122-PST308	FDN NH-263867-ABC1810	SEGMENT-21	CENTER	POLE, STEEL, TUBULAR, WEATHERING	135.0	---
0966-325-DE	932.4	339032.4	1.1	STR NH-263149	LD NH-263086	STL ND-263122-PST307	FDN NH-263867-ABC1807	SEGMENT-21	CENTER	POLE, STEEL, TUBULAR, WEATHERING	130.0	---
0966-326-DE	943.0	339964.8	0.7	STR NH-263149	LD NH-263086	STL ND-263122-PST306	FDN NH-263867-ABC1809	SEGMENT-21	CENTER	POLE, STEEL, TUBULAR, WEATHERING	120.0	---
0966-327	1009.7	340907.8	0.4	STR NH-263138	LD NH-263072	STL ND-263108-PST262	FDN NH-263867-ABC1795	SEGMENT-21	CENTER	POLE, STEEL, TUBULAR, WEATHERING	125.0	---
0966-328	993.9	341917.5	0.0	STR NH-263138	LD NH-263072	STL ND-263108-PST260	FDN NH-263867-ABC1795	SEGMENT-21	CENTER	POLE, STEEL, TUBULAR, WEATHERING	115.0	---
0966-329	992.5	342911.4	0.0	STR NH-263138	LD NH-263072	STL ND-263108-PST260	FDN NH-263867-ABC1795	SEGMENT-21	CENTER	POLE, STEEL, TUBULAR, WEATHERING	115.0	---
0966-330	992.0	343903.9	0.0	STR NH-263138	LD NH-263072	STL ND-263108-PST261	FDN NH-263867-ABC1795	SEGMENT-21	CENTER	POLE, STEEL, TUBULAR, WEATHERING	120.0	---
0966-331-DE	990.0	344895.9	-54.6	STR NH-263151	LD NH-263089	STL ND-263124-PST2149	FDN NH-263867-ABC1816	SEGMENT-21	CENTER	POLE, STEEL, TUBULAR, WEATHERING	130.0	---
0966-332	1010.2	345886.0	-34.9	STR NH-263144	LD NH-263084	STL ND-263116-PST302	FDN NH-263867-ABC1815	SEGMENT-21	CENTER	POLE, STEEL, TUBULAR, WEATHERING	140.0	---
0966-333	1018.4	346896.2	-1.1	STR NH-263138	LD NH-263072	STL ND-263108-PST261	FDN NH-263867-ABC1795	SEGMENT-21	CENTER	POLE, STEEL, TUBULAR, WEATHERING	120.0	---
0966-334	1023.4	347914.6	0.1	STR NH-263138	LD NH-263072	STL ND-263108-PST262	FDN NH-263867-ABC1795	SEGMENT-21	CENTER	POLE, STEEL, TUBULAR, WEATHERING	125.0	---
0966-335	1019.4	348938.0	0.0	STR NH-263138	LD NH-263072	STL ND-263108-PST258	FDN NH-263867-ABC1795	SEGMENT-21	CENTER	POLE, STEEL, TUBULAR, WEATHERING	105.0	---
0966-336-DE	1042.7	349957.5	80.1	STR NH-263151	LD NH-263094	STL ND-263124-PST321	FDN NH-263867-ABC1824	SEGMENT-21	CENTER	POLE, STEEL, TUBULAR, WEATHERING	140.0	---
0966-337	1016.8	351000.1	-8.6	STR NH-263572	LD NH-263077	STL ND-263110-PST1064	FDN NH-263867-ABC1801	SEGMENT-22	CENTER	POLE, STEEL, TUBULAR, WEATHERING	145.0	---
0966-338	1026.7	352016.9	19.3	STR NH-263143	LD NH-263080	STL ND-263116-PST287	FDN NH-263867-ABC1804	SEGMENT-22	CENTER	POLE, STEEL, TUBULAR, WEATHERING	120.0	---
0966-339	984.6	353043.6	0.0	STR NH-263138	LD NH-263072	STL ND-263108-PST258	FDN NH-263867-ABC1795	SEGMENT-22	CENTER	POLE, STEEL, TUBULAR, WEATHERING	105.0	---
0966-340	994.4	354028.2	-15.7	STR NH-263143	LD NH-263080	STL ND-263116-PST289	FDN NH-263867-ABC1806	SEGMENT-22	CENTER	POLE, STEEL, TUBULAR, WEATHERING	135.0	---
0966-341-DE	926.0	355022.5	-50.5	STR NH-263151	LD NH-263088	STL ND-263124-PST2148	FDN NH-263867-ABC1815	SEGMENT-22	CENTER	POLE, STEEL, TUBULAR, WEATHERING	130.0	---
0966-342	930.3	355948.5	-9.1	STR NH-263141	LD NH-263076	STL ND-263110-PST1063	FDN NH-263867-ABC1802	SEGMENT-22	CENTER	POLE, STEEL, TUBULAR, WEATHERING	135.0	---
0966-343	965.8	356878.8	-15.8	STR NH-263143	LD NH-263080	STL ND-263116-PST288	FDN NH-263867-ABC1806	SEGMENT-22	CENTER	POLE, STEEL, TUBULAR, WEATHERING	130.0	---
0966-344	951.3	357844.6	-9.1	STR NH-263141	LD NH-263076	STL ND-263110-PST1061	FDN NH-263867-ABC1799	SEGMENT-22	CENTER	POLE, STEEL, TUBULAR, WEATHERING	115.0	---
0966-345	950.8	358795.9	1.1	STR NH-263138	LD NH-263072	STL ND-263108-PST265	FDN NH-263867-ABC1799	SEGMENT-22	CENTER	POLE, STEEL, TUBULAR, WEATHERING	140.0	---
NOTES: 1. LINE ANGLES ARE DISPLAYED AS POSITIVE VALUES FOR RIGHT HAND TURNS AND NEGATIVE VALUES FOR LEFT HAND TURNS. ALIGNMENT IS DEFINED IN ASCENDING STRUCTURE ORDER.									THIS MAP/DOCUMENT IS A TOOL TO ASSIST EMPLOYEES IN THE PERFORMANCE OF THEIR JOBS. YOUR PERSONAL SAFETY IS PROVIDED FOR BY USING SAFETY PRACTICES, PROCEDURES AND EQUIPMENT AS DESCRIBED IN THE SAFETY TRAINING PROGRAMS, MANUALS AND SPARS. INTERNAL INFORMATION: DO NOT COPY OR DISTRIBUTE WITHOUT EXPRESS WRITTEN CONSENT FROM XCEL ENERGY			
SOUTH DAKOTA PERMIT COPY 6/26/2015									LINE 0966 PLAN AND PROFILE - STRUCTURES TABLE BIG STONE SOUTH TO BROOKINGS COUNTY			
										NH-263189-12	SCALE NONE	REV 0

STRUCTURES									STRUCTURE COMPONENTS			
STRUCTURE NUMBER	SPAN AHEAD (FT)	STATION (FT)	LINE ANGLE (DEG)	STRUCTURE ASSEMBLY	LOAD & DESIGN DETAILS	STEEL or TOWER DETAILS	FOUNDATION DETAILS	COMMENTS	POSITION LABEL	DESCRIPTION	LENGTH (FT)	EMBEDMENT (FT)
0966-346-DE	964.0	359746.7	79.4	STR NH-263151	LD NH-263094	STL ND-263124-PST322	FDN NH-263867-ABC1826	SEGMENT-22	CENTER	POLE, STEEL, TUBULAR, WEATHERING	150.0	---
0966-347	965.1	360710.7	18.2	STR NH-263143	LD NH-263080	STL ND-263116-PST291	FDN NH-263867-ABC1810	SEGMENT-22	CENTER	POLE, STEEL, TUBULAR, WEATHERING	150.0	---
0966-348	965.1	361675.8	1.1	STR NH-263138	LD NH-263072	STL ND-263108-PST261	FDN NH-263867-ABC1795	SEGMENT-22	CENTER	POLE, STEEL, TUBULAR, WEATHERING	120.0	---
0966-349-FDE	975.1	362640.8	0.4	STR NH-263139	LD NH-263073	STL ND-263108-PST2143	FDN NH-263867-ABC1794	SEGMENT-22	CENTER	POLE, STEEL, TUBULAR, WEATHERING	110	---
0966-350	975.0	363615.9	-1.2	STR NH-263138	LD NH-263072	STL ND-263108-PST260	FDN NH-263867-ABC1795	SEGMENT-23	CENTER	POLE, STEEL, TUBULAR, WEATHERING	115.0	---
0966-351	955.7	364590.9	-21.2	STR NH-263143	LD NH-263081	STL ND-263116-PST292	FDN NH-263867-ABC1807	SEGMENT-23	CENTER	POLE, STEEL, TUBULAR, WEATHERING	130.0	---
0966-352	932.7	365546.6	20.5	STR NH-263143	LD NH-263081	STL ND-263116-PST294	FDN NH-263867-ABC1810	SEGMENT-23	CENTER	POLE, STEEL, TUBULAR, WEATHERING	140.0	---
0966-353	938.6	366479.3	9.6	STR NH-263141	LD NH-263076	STL ND-263110-PST277	FDN NH-263865-ABC1801	SEGMENT-23	CENTER	POLE, STEEL, TUBULAR, WEATHERING	125.0	---
0966-354	896.3	367417.9	10.0	STR NH-263141	LD NH-263076	STL ND-263110-PST1061	FDN NH-263865-ABC1799	SEGMENT-23	CENTER	POLE, STEEL, TUBULAR, WEATHERING	115.0	---
0966-355	1030.3	368314.1	14.8	STR NH-263142	LD NH-263078	STL ND-263110-PST283	FDN NH-263867-ABC1802	SEGMENT-23	CENTER	POLE, STEEL, TUBULAR, WEATHERING	120.0	---
0966-356	957.7	369344.4	-25.9	STR NH-263143	LD NH-263081	STL ND-263116-PST292	FDN NH-263867-ABC1807	SEGMENT-23	CENTER	POLE, STEEL, TUBULAR, WEATHERING	130.0	---
0966-357	964.2	370302.1	11.2	STR NH-263142	LD NH-263078	STL ND-263110-PST283	FDN NH-263867-ABC1802	SEGMENT-23	CENTER	POLE, STEEL, TUBULAR, WEATHERING	120.0	---
0966-358	960.3	371266.3	0.0	STR NH-263138	LD NH-263072	STL ND-263108-PST261	FDN NH-263867-ABC1795	SEGMENT-23	CENTER	POLE, STEEL, TUBULAR, WEATHERING	120.0	---
0966-359	962.0	372226.6	0.0	STR NH-263138	LD NH-263072	STL ND-263108-PST261	FDN NH-263867-ABC1795	SEGMENT-23	CENTER	POLE, STEEL, TUBULAR, WEATHERING	120.0	---
0966-360	966.2	373188.5	19.1	STR NH-263143	LD NH-263080	STL ND-263116-PST290	FDN NH-263867-ABC1809	SEGMENT-23	CENTER	POLE, STEEL, TUBULAR, WEATHERING	140.0	---
0966-361	952.1	374154.7	7.9	STR NH-263141	LD NH-263076	STL ND-263110-PST1063	FDN NH-263865-ABC1802	SEGMENT-23	CENTER	POLE, STEEL, TUBULAR, WEATHERING	135.0	---
0966-362	946.1	375106.8	-14.2	STR NH-263573	LD NH-263079	STL ND-263110-PST285	FDN NH-263867-ABC1800	SEGMENT-23	CENTER	POLE, STEEL, TUBULAR, WEATHERING	120.0	---
0966-363	973.4	376052.9	-4.1	STR NH-263571	LD NH-263075	STL ND-263110-PST1169	FDN NH-263866-ABC1796	SEGMENT-23	CENTER	POLE, STEEL, TUBULAR, WEATHERING	130.0	---
0966-364	973.6	377026.4	14.3	STR NH-263143	LD NH-263080	STL ND-263116-PST290	FDN NH-263867-ABC1809	SEGMENT-23	CENTER	POLE, STEEL, TUBULAR, WEATHERING	140.0	---
0966-365	964.1	378000.0	-28.3	STR NH-263144	LD NH-263082	STL ND-263116-PST2146	FDN NH-263867-ABC1810	SEGMENT-23	CENTER	POLE, STEEL, TUBULAR, WEATHERING	120.0	---
0966-366	979.2	378964.0	-10.5	STR NH-263573	LD NH-263079	STL ND-263110-PST285	FDN NH-263867-ABC1800	SEGMENT-23	CENTER	POLE, STEEL, TUBULAR, WEATHERING	120.0	---
0966-367-DE	510.6	379943.2	81.9	STR NH-263151	LD NH-263094	STL ND-263124-PST321	FDN NH-263867-ABC1824	SEGMENT-23	CENTER	POLE, STEEL, TUBULAR, WEATHERING	140.0	---
0966-368	655.3	380456.7	5.2	STR NH-263141	LD NH-263076	STL ND-263110-PST6059	FDN NH-263867-ABC1809	SEGMENT-23	CENTER	POLE, STEEL, TUBULAR, WEATHERING	125.0	---
0966-369	659.6	381112.0	0.0	STR NH-263138	LD NH-263072	STL ND-263108-PST2142	FDN NH-263867-ABC1799	SEGMENT-23	CENTER	POLE, STEEL, TUBULAR, WEATHERING	145.0	---
0966-370-DE	214.3	381771.7	-89.4	STR NH-263151	LD NH-263095	STL ND-263124-PST323	FDN NH-263867-ABC1817	SEGMENT-23	CENTER	POLE, STEEL, TUBULAR, WEATHERING	115.0	---
0966-371-DE	265.4	381986.0	-89.9	STR NH-263151	LD NH-263095	STL ND-263124-PST323	FDN NH-263867-ABC1817	SEGMENT-23	CENTER	POLE, STEEL, TUBULAR, WEATHERING	115.0	---
0966-BOK-SUB1	0.0	382251.4	0.0	STR NH-263153	---	---	---	---	---	---	---	---