



Appendix G

Soil Data

Soil Properties for 345 kV Route

Description	Map Unit Symbol	Map Unit Name	Erosion Hazard (Off-Road, Off-Trail)	Prime farmland	Rutting Hazard	Compaction susceptibility	Surface texture	Hydric soils	Acres	% of 345 kV Route
345 kV Route	BbA	Barnes clay loam, 0 to 2 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Clay loam	2	0.278	0.3%
345 kV Route	BbB	Barnes clay loam, 2 to 6 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Clay loam	2	19.957	20.4%
345 kV Route	BgC	Buse-Barnes loams, 6 to 9 percent slopes	Moderate	Farmland of statewide importance	Severe	Medium	Loam	0	11.060	11.3%
345 kV Route	BgD	Buse-Barnes loams, 9 to 20 percent slopes	Moderate	Not prime farmland	Severe	Medium	Loam	3	5.691	5.8%
345 kV Route	BkE	Buse-Lamoure, channeled, complex, 0 to 40 percent slopes	Severe	Not prime farmland	Severe	Medium	Loam	25	8.820	9.0%
345 kV Route	DoB	Doland loam, 2 to 6 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Loam	1	4.817	4.9%
345 kV Route	Hb	Hamerly-Badger complex, 0 to 2 percent slopes	Slight	Farmland of statewide importance	Severe	Medium	Loam	4	4.238	4.3%
345 kV Route	KrB	Kranzburg-Brookings silty clay loams, 1 to 6 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Silty clay loam	3	0.613	0.6%
345 kV Route	Mu	McIntosh-Lamoure silty clay loams, 0 to 2 percent slopes	Slight	Prime farmland if drained	Severe	Low	Silty clay loam	30	2.775	2.8%
345 kV Route	SrB	Strayhoss loam, 2 to 6 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Loam	1	2.334	2.4%
345 kV Route	StB	Strayhoss-Maddock complex, 2 to 6 percent slopes	Slight	Prime farmland if irrigated	Severe	Medium	Loam	1	0.622	0.6%
345 kV Route	VaB	Venagro-Svea loams, 1 to 6 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Loam	1	3.874	4.0%
345 kV Route	VbB	Vienna-Brookings complex, 1 to 6 percent slopes	Moderate	All areas are prime farmland	Severe	Medium	Silt loam	1	12.847	13.1%
345 kV Route	Z152A	Lamoure silty clay loam, coteau, 0 to 1 percent slopes, occasionally flooded	Slight	Prime farmland if drained	Severe	Medium	Silty clay loam	10	1.727	1.8%
345 kV Route	Z153A	Lamoure-Rauville silty clay loams, channeled, 0 to 2 percent slopes, frequently flooded	Slight	Not prime farmland	Severe	Medium	Silty clay loam	94	2.537	2.6%
345 kV Route	Z159A	Divide loam, 0 to 2 percent slopes, occasionally flooded	Slight	Prime farmland if drained	Severe	Medium	Loam	10	3.652	3.7%
345 kV Route	Z166A	Fordtown loam, 0 to 2 percent slopes, rarely flooded	Slight	All areas are prime farmland	Severe	Medium	Loam	0	2.943	3.0%
345 kV Route	Z171B	Renshaw-Fordville loams, coteau, 2 to 6 percent slopes	Slight	Prime farmland if irrigated	Severe	Medium	Loam	0	1.421	1.5%
345 kV Route	Z173C	Renshaw-Sioux complex, coteau, 6 to 9 percent slopes	Moderate	Not prime farmland	Severe	Medium	Loam	0	1.866	1.9%
345 kV Route	Z174D	Sioux-Renshaw complex, coteau, 9 to 15 percent slopes	Moderate	Not prime farmland	Moderate	Medium	Gravelly loam	0	1.790	1.8%
345 kV Route	Z174F	Sioux-Renshaw complex, coteau, 15 to 40 percent slopes	Moderate	Not prime farmland	Moderate	Medium	Gravelly loam	0	0.876	0.9%
345 kV Route	Z182A	Estelline silt loam, coteau, 0 to 2 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Silt loam	0	3.169	3.2%
765 kV Route	Aa	Aastad-Flom complex	Slight	Prime farmland if drained	Severe	Medium	Loam	36	4.776	0.2%
765 kV Route	ArA	Arvilla sandy loam, 0 to 2 percent slopes	Slight	Not prime farmland	Moderate	Medium	Sandy loam	5	1.176	0.0%
765 kV Route	ArB	Arvilla sandy loam, 2 to 6 percent slopes	Slight	Not prime farmland	Moderate	Medium	Sandy loam	1	40.318	1.5%
765 kV Route	ArC	Arvilla sandy loam, 6 to 9 percent slopes	Slight	Not prime farmland	Moderate	Medium	Sandy loam	1	6.124	0.2%
765 kV Route	AvD	Arvilla-Sioux complex, 6 to 15 percent slopes	Moderate	Not prime farmland	Moderate	Medium	Sandy loam	1	26.509	1.0%
765 kV Route	Ba	Badger silty clay loam, 0 to 1 percent slopes	Slight	Prime farmland if drained	Severe	Medium	Silty clay loam	4	1.323	0.0%
765 kV Route	BbA	Barnes clay loam, 0 to 2 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Clay loam	2	57.169	2.1%
765 kV Route	BbB	Barnes clay loam, 2 to 6 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Clay loam	2	153.647	5.6%
765 kV Route	BbB	Hokans-Svea complex, 1 to 4 percent slopes	Slight	All areas are prime farmland	Severe	Low	Loam	13	3.650	0.1%
765 kV Route	BbD	Barnes-Svea loams, 4 to 15 percent slopes	Slight	Not prime farmland	Severe	Medium	Loam	25	4.114	0.2%
765 kV Route	Bc	Cubden silty clay loam, 0 to 2 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Silty clay loam	8	9.046	0.3%
765 kV Route	BcB	Barnes-Buse loams, coteau, 2 to 6 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Loam	1	10.141	0.4%
765 kV Route	BcE	Barnes-Buse loams, 15 to 25 percent slopes	Moderate	Not prime farmland	Severe	Medium	Loam	8	15.914	0.6%
765 kV Route	Bf	Brookings silty clay loam, 0 to 2 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Silty clay loam	1	3.299	0.1%
765 kV Route	BgC	Buse-Barnes loams, 6 to 9 percent slopes	Moderate	Farmland of statewide importance	Severe	Medium	Loam	0	39.765	1.5%
765 kV Route	BgD	Barnes-Buse-Svea loams, 2 to 15 percent slopes	Moderate	Not prime farmland	Severe	Medium	Loam	9	37.793	1.4%
765 kV Route	BgD	Buse-Barnes loams, 9 to 20 percent slopes	Moderate	Not prime farmland	Severe	Medium	Loam	3	22.758	0.8%
765 kV Route	BhE	Buse-Barnes loams, 9 to 40 percent slopes, very stony	Moderate	Not prime farmland	Severe	Medium	Loam	3	0.869	0.0%
765 kV Route	BkB	Barnes-Svea loams, 1 to 6 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Loam	2	63.305	2.3%
765 kV Route	BkE	Buse-Lamoure, channeled, complex, 0 to 40 percent slopes	Severe	Not prime farmland	Severe	Medium	Loam	25	55.483	2.0%
765 kV Route	BmC	Barnes-Svea-Buse loams, 2 to 9 percent slopes	Moderate	Farmland of statewide importance	Severe	Medium	Loam	15	49.363	1.8%
765 kV Route	BnD	Barnes, stony-Svea-Buse, stony loams, 2 to 12 percent slopes	Moderate	Not prime farmland	Severe	Medium	Loam	5	0.038	0.0%
765 kV Route	BoE	Buse-Langhei complex, 15 to 40 percent slopes	Severe	Not prime farmland	Severe	Medium	Loam	5	74.651	2.7%
765 kV Route	BsC	Buse-Singsaas complex, 6 to 9 percent slopes	Moderate	Farmland of statewide importance	Severe	Medium	Loam	0	7.325	0.3%

Description	Map Unit Symbol	Map Unit Name	Erosion Hazard (Off-Road, Off-Trail)	Prime farmland	Rutting Hazard	Compaction susceptibility	Surface texture	Hydric soils	Acres	% of 345 kV Route
765 kV Route	BtE	Buse loam, 20 to 40 percent slopes	Moderate	Not prime farmland	Severe	Medium	Loam	1	1.401	0.1%
765 kV Route	BvE	Buse-Barnes loams, 9 to 40 percent slopes, very stony	Moderate	Not prime farmland	Severe	Medium	Loam	3	20.153	0.7%
765 kV Route	BxE	Buse-Lamoure, channeled, complex, 0 to 40 percent slopes	Moderate	Not prime farmland	Severe	Medium	Loam	36	68.520	2.5%
765 kV Route	BxE	Buse-Sioux complex, 9 to 40 percent slopes	Moderate	Not prime farmland	Severe	Medium	Loam	1	1.347	0.0%
765 kV Route	Cu	Cubden silty clay loam, 0 to 2 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Silty clay loam	8	2.608	0.1%
765 kV Route	DaB	Darnen loam, 2 to 6 percent slopes	Slight	All areas are prime farmland	Severe	Low	Loam	1	3.574	0.1%
765 kV Route	Db	Castlewood silty clay	Slight	Prime farmland if drained	Severe	Low	Silty clay	85	9.710	0.4%
765 kV Route	DoB	Doland loam, 2 to 6 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Loam	1	8.442	0.3%
765 kV Route	DsA	Doland-Svea loams, 0 to 2 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Loam	4	2.929	0.1%
765 kV Route	Dv	Divide loam	Slight	All areas are prime farmland	Severe	Medium	Loam	4	7.682	0.3%
765 kV Route	EaA	Egeland sandy loam, 0 to 2 percent slopes	Slight	All areas are prime farmland	Moderate	Medium	Sandy loam	5	2.403	0.1%
765 kV Route	EaB	Egeland sandy loam, 2 to 6 percent slopes	Slight	All areas are prime farmland	Moderate	Medium	Sandy loam	5	0.140	0.0%
765 kV Route	Ec	Estelline silty clay loam	Slight	All areas are prime farmland	Severe	Medium	Silty clay loam	0	6.939	0.3%
765 kV Route	Fb	Fordtown loam, 0 to 2 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Loam	1	11.343	0.4%
765 kV Route	FcB	Fordville-Renshaw loams, 2 to 6 percent slopes	Slight	Prime farmland if irrigated	Severe	Medium	Loam	0	5.113	0.2%
765 kV Route	FdA	Fordville loam, coteau, 0 to 2 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Loam	0	0.996	0.0%
765 kV Route	FeA	Fordville loam, coteau, 0 to 2 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Loam	0	5.332	0.2%
765 kV Route	FmA	Forman-Aastad loams, 0 to 2 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Loam	10	23.783	0.9%
765 kV Route	FmB	Forman-Aastad loams, 1 to 6 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Loam	4	159.544	5.8%
765 kV Route	FtC	Forman-Buse-Aastad loams, 2 to 9 percent slopes	Moderate	Farmland of statewide importance	Severe	Medium	Loam	7	60.617	2.2%
765 kV Route	FtD	Forman-Buse-Aastad loams, 2 to 15 percent slopes	Moderate	Not prime farmland	Severe	Medium	Loam	3	82.409	3.0%
765 kV Route	Fx	Fossum sandy loam	Slight	Not prime farmland	Moderate	Medium	Sandy loam	100	1.467	0.1%
765 kV Route	Fy	Fulda silty clay loam	Slight	Prime farmland if drained	Severe	Low	Silty clay loam	100	1.232	0.0%
765 kV Route	Hb	Hamerly-Badger complex, 0 to 2 percent slopes	Slight	Farmland of statewide importance	Severe	Medium	Loam	4	16.731	0.6%
765 kV Route	HbB	Esmond-Heimdal-Sisseton complex, 2 to 6 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Loam	5	1.206	0.0%
765 kV Route	HbC	Esmond-Sisseton-Heimdal, complex, 2 to 12 percent slopes, moderately eroded	Moderate	Farmland of statewide importance	Severe	Medium	Loam	5	43.621	1.6%
765 kV Route	HcA	Heimdal-Svea loams, 0 to 2 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Loam	6	20.967	0.8%
765 kV Route	HcB	Heimdal-Svea loams, 2 to 6 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Loam	8	91.719	3.4%
765 kV Route	Hm	Hamerly-Badger complex, 0 to 2 percent slopes	Slight	Farmland of statewide importance	Severe	Medium	Loam	4	55.482	2.0%
765 kV Route	HtA	Hegne-Fulda silty clay loams	Slight	Prime farmland if drained	Severe	Medium	Silty clay loam	92	15.052	0.6%
765 kV Route	J209C	Forman-Buse complex, 6 to 12 percent slopes, moderately eroded	Moderate	Farmland of statewide importance	Severe	Medium	Clay loam	8	9.800	0.4%
765 kV Route	J217A	Parnell silty clay loam, frequently ponded, 0 to 1 percent slopes	Slight	Not prime farmland	Severe	Low	Silty clay loam	97	17.380	0.6%
765 kV Route	J225B	Forman-Aastad complex, 1 to 4 percent slopes	Slight	All areas are prime farmland	Severe	Low	Clay loam	13	116.372	4.3%
765 kV Route	J49A	Lakepark-Parnell, occasionally ponded, complex, 0 to 2 percent slopes	Slight	Prime farmland if drained	Severe	Low	Clay loam	95	1.730	0.1%
765 kV Route	KrA	Kranzburg-Brookings silty clay loams, 0 to 2 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Silty clay loam	1	11.998	0.4%
765 kV Route	KrB	Kranzburg-Brookings silty clay loams, 1 to 6 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Silty clay loam	3	7.352	0.3%
765 kV Route	La	La Prairie loam	Slight	All areas are prime farmland	Severe	Medium	Loam	4	3.076	0.1%
765 kV Route	La	LaDelle silt loam	Slight	All areas are prime farmland	Severe	Medium	Silt loam	10	50.419	1.8%
765 kV Route	Lb	LaDelle silt loam, channeled	Slight	Not prime farmland	Severe	Medium	Silt loam	7	18.628	0.7%
765 kV Route	Ld	LaDelle silt loam	Slight	All areas are prime farmland	Severe	Medium	Silt loam	9	1.044	0.0%
765 kV Route	Lk	Lamoure silty clay loam, 0 to 1 percent slopes	Slight	Prime farmland if drained	Severe	Low	Silty clay loam	98	1.707	0.1%
765 kV Route	Lm	Lamoure-Rauville silty clay loams, channeled	Slight	Not prime farmland	Severe	Low	Silty clay loam	99	12.958	0.5%
765 kV Route	Lm	Lamoure silty clay loam, 0 to 2 percent slopes, occasionally flooded	Slight	Prime farmland if drained	Severe	Low	Silty clay loam	92	0.297	0.0%
765 kV Route	LnB	Lanona-Swenoda sandy loams, 2 to 6 percent slopes	Slight	All areas are prime farmland	Moderate	Medium	Sandy loam	1	0.203	0.0%
765 kV Route	Lr	Lamoure-Rauville silty clay loams, channeled	Slight	Not prime farmland	Severe	Low	Silty clay loam	91	12.831	0.5%
765 kV Route	Lw	Lowe loam	Slight	Prime farmland if drained	Severe	Medium	Loam	94	0.035	0.0%
765 kV Route	Mr	Moritz-Lamoure complex	Slight	Prime farmland if drained	Severe	Medium	Loam	30	1.445	0.1%
765 kV Route	Mt	Mckranz-Badger silty clay loams, 0 to 2 percent slopes	Slight	Farmland of statewide importance	Severe	Medium	Silty clay loam	8	5.431	0.2%

Description	Map Unit Symbol	Map Unit Name	Erosion Hazard (Off-Road, Off-Trail)	Prime farmland	Rutting Hazard	Compaction susceptibility	Surface texture	Hydric soils	Acres	% of 345 kV Route
765 kV Route	NsC	Nutley-Sinai silty clays, 6 to 12 percent slopes	Moderate	Farmland of statewide importance	Severe	Medium	Silty clay	1	4.826	0.2%
765 kV Route	Og	Orthents, gravelly	Moderate	Not prime farmland	Moderate	Low	Gravelly loam	1	0.043	0.0%
765 kV Route	Ok	Orthents, gravelly	Moderate	Not prime farmland	Moderate	Medium	Gravelly loam	0	5.412	0.2%
765 kV Route	Pa	Parnell silty clay loam	Slight	Not prime farmland	Severe	Low	Silty clay loam	100	16.573	0.6%
765 kV Route	Pb	Southam silty clay loam, 0 to 1 percent slopes	Slight	Not prime farmland	Severe	Low	Silty clay loam	96	3.820	0.1%
765 kV Route	Pc	Parnell-Vallers complex	Slight	Not prime farmland	Severe	Low	Silty clay loam	95	17.778	0.7%
765 kV Route	PcA	Peever clay loam, 0 to 2 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Clay loam	2	6.682	0.2%
765 kV Route	PcB	Peever clay loam, 2 to 6 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Clay loam	2	7.413	0.3%
765 kV Route	PeA	Peever clay loam, 0 to 2 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Clay loam	2	108.724	4.0%
765 kV Route	PeB	Peever clay loam, 2 to 6 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Clay loam	2	59.523	2.2%
765 kV Route	Ph	Playmoor silty clay loam	Slight	Not prime farmland	Severe	Medium	Silty clay loam	95	13.405	0.5%
765 kV Route	Pm	Playmoor silty clay loam	Slight	Not prime farmland	Severe	Medium	Silty clay loam	100	7.810	0.3%
765 kV Route	Po	Poinsett-Waubay silty clay loams, 0 to 2 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Silty clay loam	4	13.090	0.5%
765 kV Route	PwA	Poinsett-Waubay silty clay loams, 0 to 2 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Silty clay loam	4	33.909	1.2%
765 kV Route	PwB	Poinsett-Waubay silty clay loams, 1 to 6 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Silty clay loam	2	37.539	1.4%
765 kV Route	RbA	Renshaw loam, 0 to 2 percent slopes	Slight	Prime farmland if irrigated	Severe	Medium	Loam	3	0.018	0.0%
765 kV Route	RbB	Renshaw loam, 1 to 6 percent slopes	Slight	Prime farmland if irrigated	Severe	Medium	Loam	0	8.345	0.3%
765 kV Route	Rc	Rauville silty clay loam, 0 to 2 percent slopes, frequently flooded	Slight	Not prime farmland	Severe	Low	Silty clay loam	95	8.222	0.3%
765 kV Route	RcD	Renshaw-Sioux complex, 6 to 15 percent slopes	Moderate	Not prime farmland	Severe	Medium	Loam	0	5.681	0.2%
765 kV Route	Rp	Rauville silty clay loam, ponded	Slight	Not prime farmland	Severe	Low	Silty clay loam	100	1.060	0.0%
765 kV Route	RsB	Renshaw-Sioux complex, coteau, 2 to 6 percent slopes	Slight	Not prime farmland	Severe	Medium	Loam	0	25.831	0.9%
765 kV Route	RtA	Rentill loam	Slight	All areas are prime farmland	Severe	Medium	Loam	1	2.765	0.1%
765 kV Route	SbA	Sinai silty clay, 0 to 2 percent slopes	Slight	All areas are prime farmland	Severe	Low	Silty clay	1	25.174	0.9%
765 kV Route	SbB	Sinai silty clay, 2 to 6 percent slopes	Slight	All areas are prime farmland	Severe	Low	Silty clay	1	14.221	0.5%
765 kV Route	SbB	Singsaas-Buse complex, 2 to 6 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Silty clay loam	2	1.647	0.1%
765 kV Route	SbE	Sisseton-Esmond complex, 12 to 40 percent slopes	Severe	Not prime farmland	Severe	Medium	Loam	2	0.060	0.0%
765 kV Route	ScB	Singsaas-Waubay silty clay loams, 1 to 6 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Silty clay loam	2	30.180	1.1%
765 kV Route	ScD	Sisseton-Esmond-Heimdal, complex, 6 to 20 percent slopes, moderately eroded	Moderate	Not prime farmland	Severe	Medium	Loam	5	31.403	1.1%
765 kV Route	Sd	Svea loam, 1 to 3 percent slopes	Slight	All areas are prime farmland	Severe	Low	Loam	5	13.782	0.5%
765 kV Route	SeA	Swenoda fine sandy loam, 0 to 2 percent slopes	Slight	All areas are prime farmland	Moderate	Medium	loam	1	34.875	1.3%
765 kV Route	ShA	Singsaas-Waubay silty clay loams, 0 to 2 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Silty clay loam	2	8.123	0.3%
765 kV Route	ShB	Singsaas-Waubay silty clay loams, 1 to 6 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Silty clay loam	2	62.875	2.3%
765 kV Route	So	Southam silty clay loam, 0 to 1 percent slopes	Slight	Not prime farmland	Severe	Low	Silty clay loam	96	21.550	0.8%
765 kV Route	SrA	Strayhoss loam, 0 to 2 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Loam	3	8.058	0.3%
765 kV Route	SrB	Strayhoss loam, 2 to 6 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Loam	1	8.078	0.3%
765 kV Route	SvA	Svea loam, 0 to 2 percent slopes	Slight	All areas are prime farmland	Severe	Low	Loam	3	2.815	0.1%
765 kV Route	SwA	Swenoda-Lanona sandy loams, 0 to 2 percent slopes	Slight	All areas are prime farmland	Moderate	Medium	Sandy loam	1	0.148	0.0%
765 kV Route	Ta	Tonka silty clay loam, 0 to 1 percent slopes	Slight	Prime farmland if drained	Severe	Medium	Silty clay loam	93	21.047	0.8%
765 kV Route	Va	Vallers clay loam, 0 to 2 percent slopes	Slight	Prime farmland if drained	Severe	Low	Clay loam	90	2.839	0.1%
765 kV Route	VaB	Venagro-Svea loams, 1 to 6 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Loam	1	0.221	0.0%
765 kV Route	Vb	Vallers-Parnell complex	Slight	Not prime farmland	Severe	Low	Loam	100	3.586	0.1%
765 kV Route	VbA	Vienna-Brookings complex, 0 to 2 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Silt loam	1	10.981	0.4%
765 kV Route	VbB	Vienna-Brookings complex, 1 to 6 percent slopes	Moderate	All areas are prime farmland	Severe	Medium	Silt loam	1	30.006	1.1%
765 kV Route	Vc	Vallers-Tonka complex	Slight	Prime farmland if drained	Severe	Low	Loam	100	33.838	1.2%
765 kV Route	Vc	Vallers loam	Slight	Prime farmland if drained	Severe	Low	Loam	98	2.532	0.1%
765 kV Route	VnC	Vienna-Buse complex, 6 to 9 percent slopes	Moderate	Farmland of statewide importance	Severe	Medium	Silt loam	1	7.434	0.3%
765 kV Route	W	Water	Not rated	Not prime farmland	Not rated	Not rated	<Null>	0	10.317	0.4%
765 kV Route	Z150A	Rauville silty clay loam, coteau, 0 to 1 percent slopes, frequently flooded	Slight	Not prime farmland	Severe	Low	Silty clay loam	92	23.193	0.8%

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765 kV Route	Z152A	Lamoure silty clay loam, coteau, 0 to 1 percent slopes, occasionally flooded	Slight	Prime farmland if drained	Severe	Medium	Silty clay loam	10	20.221	0.7%
765 kV Route	Z153A	Lamoure-Rauville silty clay loams, channeled, 0 to 2 percent slopes, frequently flooded	Slight	Not prime farmland	Severe	Medium	Silty clay loam	94	27.515	1.0%
765 kV Route	Z158A	Marysland loam, 0 to 1 percent slopes, occasionally flooded	Slight	Prime farmland if drained	Severe	Medium	Loam	88	1.678	0.1%
765 kV Route	Z159A	Divide loam, 0 to 2 percent slopes, occasionally flooded	Slight	Prime farmland if drained	Severe	Medium	Loam	10	11.881	0.4%
765 kV Route	Z160A	Moritz, occasionally flooded-Lamoure, frequently flooded, complex, 0 to 2 percent slopes	Slight	Prime farmland if drained	Severe	Low	Loam	35	33.556	1.2%
765 kV Route	Z161A	Spottswood loam, 0 to 2 percent slopes, occasionally flooded	Slight	All areas are prime farmland	Severe	Medium	Loam	1	5.543	0.2%
765 kV Route	Z166A	Fordtown loam, 0 to 2 percent slopes, rarely flooded	Slight	All areas are prime farmland	Severe	Medium	Loam	0	8.646	0.3%
765 kV Route	Z167A	Renwash loam, 0 to 2 percent slopes, rarely flooded	Slight	Prime farmland if irrigated	Severe	Medium	Loam	0	6.773	0.2%
765 kV Route	Z169A	Fordtown, rarely flooded-Spottswood, occasionally flooded, loams, 0 to 2 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Loam	1	6.287	0.2%
765 kV Route	Z171A	Renshaw-Fordville loams, coteau, 0 to 2 percent slopes	Slight	Prime farmland if irrigated	Severe	Medium	Loam	0	32.164	1.2%
765 kV Route	Z171B	Renshaw-Fordville loams, coteau, 2 to 6 percent slopes	Slight	Prime farmland if irrigated	Severe	Medium	Loam	0	37.433	1.4%
765 kV Route	Z172A	Renshaw loam, coteau, 0 to 2 percent slopes	Slight	Prime farmland if irrigated	Severe	Medium	Loam	0	3.895	0.1%
765 kV Route	Z173B	Renshaw-Sioux complex, coteau, 2 to 6 percent slopes	Slight	Not prime farmland	Severe	Medium	Loam	0	21.029	0.8%
765 kV Route	Z173C	Renshaw-Sioux complex, coteau, 6 to 9 percent slopes	Moderate	Not prime farmland	Severe	Medium	Loam	0	7.170	0.3%
765 kV Route	Z174F	Sioux-Renshaw complex, coteau, 15 to 40 percent slopes	Moderate	Not prime farmland	Moderate	Medium	Gravelly loam	0	2.152	0.1%
765 kV Route	Z176B	Arvilla-Sandberg sandy loams, coteau, 2 to 6 percent slopes	Slight	Not prime farmland	Moderate	Medium	Sandy loam	0	2.095	0.1%
765 kV Route	Z182A	Estelline silt loam, coteau, 0 to 2 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Silt loam	0	7.692	0.3%
765 kV Route	Z182B	Estelline silt loam, coteau, 2 to 6 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Silt loam	0	1.869	0.1%
765 kV Route	Z185B	Egeland-Embden complex, coteau, 2 to 6 percent slopes	Slight	All areas are prime farmland	Moderate	Medium	Sandy loam	0	1.006	0.0%
765 kV Route	Z186B	Maddock-Egeland sandy loams, coteau, 2 to 6 percent slopes	Slight	Prime farmland if irrigated	Moderate	Medium	Sandy loam	0	4.998	0.2%
Brookings 345 kV Substation Siting Area	DoB	Doland loam, 2 to 6 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Loam	1	19.188	82.8%
Brookings 345 kV Substation Siting Area	KrB	Kranzburg-Brookings silty clay loams, 1 to 6 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Silty clay loam	3	0.078	0.3%
Brookings 345 kV Substation Siting Area	Mu	McIntosh-Lamoure silty clay loams, 0 to 2 percent slopes	Slight	Prime farmland if drained	Severe	Low	Silty clay loam	30	2.416	10.4%
Brookings 345 kV Substation Siting Area	VaB	Venagro-Svea loams, 1 to 6 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Loam	1	1.480	6.4%
Expanded Brookings 765 kV Substation Siting Area	BbA	Barnes clay loam, 0 to 2 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Clay loam	2	40.456	16.9%
Expanded Brookings 765 kV Substation Siting Area	BbB	Barnes clay loam, 2 to 6 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Clay loam	2	137.962	57.8%
Expanded Brookings 765 kV Substation Siting Area	BgC	Buse-Barnes loams, 6 to 9 percent slopes	Moderate	Farmland of statewide importance	Severe	Medium	Loam	0	5.631	2.4%
Expanded Brookings 765 kV Substation Siting Area	BxE	Buse-Sioux complex, 9 to 40 percent slopes	Moderate	Not prime farmland	Severe	Medium	Loam	1	1.209	0.5%
Expanded Brookings 765 kV Substation Siting Area	Hb	Hamerly-Badger complex, 0 to 2 percent slopes	Slight	Farmland of statewide importance	Severe	Medium	Loam	4	5.356	2.2%
Expanded Brookings 765 kV Substation Siting Area	SvA	Svea loam, 0 to 2 percent slopes	Slight	All areas are prime farmland	Severe	Low	Loam	3	14.500	6.1%
Expanded Brookings 765 kV Substation Siting Area	VbB	Vienna-Brookings complex, 1 to 6 percent slopes	Moderate	All areas are prime farmland	Severe	Medium	Silt loam	1	30.334	12.7%
Expanded Brookings 765 kV Substation Siting Area	Z186B	Maddock-Egeland sandy loams, coteau, 2 to 6 percent slopes	Slight	Prime farmland if irrigated	Moderate	Medium	Sandy loam	0	3.292	1.4%
Big Stone South Substation Siting Area	EaA	Egeland sandy loam, 0 to 2 percent slopes	Slight	All areas are prime farmland	Moderate	Medium	Sandy loam	5	0.010	0.0%

Description	Map Unit Symbol	Map Unit Name	Erosion Hazard (Off-Road, Off-Trail)	Prime farmland	Rutting Hazard	Compaction susceptibility	Surface texture	Hydric soils	Acres	% of 345 kV Route
Big Stone South Substation Siting Area	HbB	Esmond-Heimdal-Sisseton complex, 2 to 6 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Loam	5	0.064	0.1%
Big Stone South Substation Siting Area	HbC	Esmond-Sisseton-Heimdal, complex, 2 to 12 percent slopes, moderately eroded	Moderate	Farmland of statewide importance	Severe	Medium	Loam	5	34.928	41.1%
Big Stone South Substation Siting Area	HcB	Heimdal-Svea loams, 2 to 6 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Loam	8	16.377	19.3%
Big Stone South Substation Siting Area	Po	Poinsett-Waubay silty clay loams, 0 to 2 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Silty clay loam	4	3.643	4.3%
Big Stone South Substation Siting Area	ScD	Sisseton-Esmond-Heimdal, complex, 6 to 20 percent slopes, moderately eroded	Moderate	Not prime farmland	Severe	Medium	Loam	5	17.585	20.7%
Big Stone South Substation Siting Area	SeA	Swenoda fine sandy loam, 0 to 2 percent slopes	Slight	All areas are prime farmland	Moderate	Medium	Fine sandy loam	1	9.581	11.3%
Big Stone South Substation Siting Area	Ta	Tonka silty clay loam, 0 to 1 percent slopes	Slight	Prime farmland if drained	Severe	Medium	Silty clay loam	93	2.157	2.5%
Big Stone South Substation Siting Area	Vc	Vallers-Tonka complex	Slight	Prime farmland if drained	Severe	Low	Loam	100	0.575	0.7%

Soil Properties for 765 kV Route

Description	Map Unit Symbol	Map Unit Name	Erosion Hazard (Off-Road, Off-Trail)	Prime farmland	Rutting Hazard	Compaction susceptibility	Surface texture	Hydric soils	Acres	% of 765 kV Route
345 kV Route	BbA	Barnes clay loam, 0 to 2 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Clay loam	2	0.278	0.3%
345 kV Route	BbB	Barnes clay loam, 2 to 6 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Clay loam	2	19.957	20.4%
345 kV Route	BgC	Buse-Barnes loams, 6 to 9 percent slopes	Moderate	Farmland of statewide importance	Severe	Medium	Loam	0	11.060	11.3%
345 kV Route	BgD	Buse-Barnes loams, 9 to 20 percent slopes	Moderate	Not prime farmland	Severe	Medium	Loam	3	5.691	5.8%
345 kV Route	BkE	Buse-Lamoure, channeled, complex, 0 to 40 percent slopes	Severe	Not prime farmland	Severe	Medium	Loam	25	8.820	9.0%
345 kV Route	DoB	Doland loam, 2 to 6 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Loam	1	4.817	4.9%
345 kV Route	Hb	Hamerly-Badger complex, 0 to 2 percent slopes	Slight	Farmland of statewide importance	Severe	Medium	Loam	4	4.238	4.3%
345 kV Route	KrB	Kranzburg-Brookings silty clay loams, 1 to 6 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Silty clay loam	3	0.613	0.6%
345 kV Route	Mu	McIntosh-Lamoure silty clay loams, 0 to 2 percent slopes	Slight	Prime farmland if drained	Severe	Low	Silty clay loam	30	2.775	2.8%
345 kV Route	SrB	Strayhoss loam, 2 to 6 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Loam	1	2.334	2.4%
345 kV Route	StB	Strayhoss-Maddock complex, 2 to 6 percent slopes	Slight	Prime farmland if irrigated	Severe	Medium	Loam	1	0.622	0.6%
345 kV Route	VaB	Venagro-Svea loams, 1 to 6 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Loam	1	3.874	4.0%
345 kV Route	VbB	Vienna-Brookings complex, 1 to 6 percent slopes	Moderate	All areas are prime farmland	Severe	Medium	Silt loam	1	12.847	13.1%
345 kV Route	Z152A	Lamoure silty clay loam, coteau, 0 to 1 percent slopes, occasionally flooded	Slight	Prime farmland if drained	Severe	Medium	Silty clay loam	10	1.727	1.8%
345 kV Route	Z153A	Lamoure-Rauville silty clay loams, channeled, 0 to 2 percent slopes, frequently flooded	Slight	Not prime farmland	Severe	Medium	Silty clay loam	94	2.537	2.6%
345 kV Route	Z159A	Divide loam, 0 to 2 percent slopes, occasionally flooded	Slight	Prime farmland if drained	Severe	Medium	Loam	10	3.652	3.7%
345 kV Route	Z166A	Fordtown loam, 0 to 2 percent slopes, rarely flooded	Slight	All areas are prime farmland	Severe	Medium	Loam	0	2.943	3.0%
345 kV Route	Z171B	Renshaw-Fordville loams, coteau, 2 to 6 percent slopes	Slight	Prime farmland if irrigated	Severe	Medium	Loam	0	1.421	1.5%
345 kV Route	Z173C	Renshaw-Sioux complex, coteau, 6 to 9 percent slopes	Moderate	Not prime farmland	Severe	Medium	Loam	0	1.866	1.9%
345 kV Route	Z174D	Sioux-Renshaw complex, coteau, 9 to 15 percent slopes	Moderate	Not prime farmland	Moderate	Medium	Gravelly loam	0	1.790	1.8%
345 kV Route	Z174F	Sioux-Renshaw complex, coteau, 15 to 40 percent slopes	Moderate	Not prime farmland	Moderate	Medium	Gravelly loam	0	0.876	0.9%
345 kV Route	Z182A	Estelline silt loam, coteau, 0 to 2 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Silt loam	0	3.169	3.2%
765 kV Route	Aa	Aastad-Flom complex	Slight	Prime farmland if drained	Severe	Medium	Loam	36	4.776	0.2%
765 kV Route	ArA	Arvilla sandy loam, 0 to 2 percent slopes	Slight	Not prime farmland	Moderate	Medium	Sandy loam	5	1.176	0.0%
765 kV Route	ArB	Arvilla sandy loam, 2 to 6 percent slopes	Slight	Not prime farmland	Moderate	Medium	Sandy loam	1	40.318	1.5%
765 kV Route	ArC	Arvilla sandy loam, 6 to 9 percent slopes	Slight	Not prime farmland	Moderate	Medium	Sandy loam	1	6.124	0.2%
765 kV Route	AvD	Arvilla-Sioux complex, 6 to 15 percent slopes	Moderate	Not prime farmland	Moderate	Medium	Sandy loam	1	26.509	1.0%
765 kV Route	Ba	Badger silty clay loam, 0 to 1 percent slopes	Slight	Prime farmland if drained	Severe	Medium	Silty clay loam	4	1.323	0.0%
765 kV Route	BbA	Barnes clay loam, 0 to 2 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Clay loam	2	57.169	2.1%
765 kV Route	BbB	Barnes clay loam, 2 to 6 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Clay loam	2	153.647	5.6%
765 kV Route	BbB	Hokans-Svea complex, 1 to 4 percent slopes	Slight	All areas are prime farmland	Severe	Low	Loam	13	3.650	0.1%
765 kV Route	BbD	Barnes-Svea loams, 4 to 15 percent slopes	Slight	Not prime farmland	Severe	Medium	Loam	25	4.114	0.2%
765 kV Route	Bc	Cubden silty clay loam, 0 to 2 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Silty clay loam	8	9.046	0.3%
765 kV Route	BcB	Barnes-Buse loams, coteau, 2 to 6 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Loam	1	10.141	0.4%
765 kV Route	BcE	Barnes-Buse loams, 15 to 25 percent slopes	Moderate	Not prime farmland	Severe	Medium	Loam	8	15.914	0.6%
765 kV Route	Bf	Brookings silty clay loam, 0 to 2 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Silty clay loam	1	3.299	0.1%
765 kV Route	BgC	Buse-Barnes loams, 6 to 9 percent slopes	Moderate	Farmland of statewide importance	Severe	Medium	Loam	0	39.765	1.5%
765 kV Route	BgD	Barnes-Buse-Svea loams, 2 to 15 percent slopes	Moderate	Not prime farmland	Severe	Medium	Loam	9	37.793	1.4%
765 kV Route	BgD	Buse-Barnes loams, 9 to 20 percent slopes	Moderate	Not prime farmland	Severe	Medium	Loam	3	22.758	0.8%
765 kV Route	BhE	Buse-Barnes loams, 9 to 40 percent slopes, very stony	Moderate	Not prime farmland	Severe	Medium	Loam	3	0.869	0.0%
765 kV Route	BkB	Barnes-Svea loams, 1 to 6 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Loam	2	63.305	2.3%
765 kV Route	BkE	Buse-Lamoure, channeled, complex, 0 to 40 percent slopes	Severe	Not prime farmland	Severe	Medium	Loam	25	55.483	2.0%
765 kV Route	BmC	Barnes-Svea-Buse loams, 2 to 9 percent slopes	Moderate	Farmland of statewide importance	Severe	Medium	Loam	15	49.363	1.8%
765 kV Route	BnD	Barnes, stony-Svea-Buse, stony loams, 2 to 12 percent slopes	Moderate	Not prime farmland	Severe	Medium	Loam	5	0.038	0.0%
765 kV Route	BoE	Buse-Langhei complex, 15 to 40 percent slopes	Severe	Not prime farmland	Severe	Medium	Loam	5	74.651	2.7%
765 kV Route	BsC	Buse-Singsaas complex, 6 to 9 percent slopes	Moderate	Farmland of statewide importance	Severe	Medium	Loam	0	7.325	0.3%
765 kV Route	BtE	Buse loam, 20 to 40 percent slopes	Moderate	Not prime farmland	Severe	Medium	Loam	1	1.401	0.1%

Description	Map Unit Symbol	Map Unit Name	Erosion Hazard (Off-Road, Off-Trail)	Prime farmland	Rutting Hazard	Compaction susceptibility	Surface texture	Hydric soils	Acres	% of 765 kV Route
765 kV Route	BvE	Buse-Barnes loams, 9 to 40 percent slopes, very stony	Moderate	Not prime farmland	Severe	Medium	Loam	3	20.153	0.7%
765 kV Route	BxE	Buse-Lamoure, channeled, complex, 0 to 40 percent slopes	Moderate	Not prime farmland	Severe	Medium	Loam	36	68.520	2.5%
765 kV Route	BxE	Buse-Sioux complex, 9 to 40 percent slopes	Moderate	Not prime farmland	Severe	Medium	Loam	1	1.347	0.0%
765 kV Route	Cu	Cubden silty clay loam, 0 to 2 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Silty clay loam	8	2.608	0.1%
765 kV Route	DaB	Darnen loam, 2 to 6 percent slopes	Slight	All areas are prime farmland	Severe	Low	Loam	1	3.574	0.1%
765 kV Route	Db	Castlewood silty clay	Slight	Prime farmland if drained	Severe	Low	Silty clay	85	9.710	0.4%
765 kV Route	DoB	Doland loam, 2 to 6 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Loam	1	8.442	0.3%
765 kV Route	DsA	Doland-Svea loams, 0 to 2 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Loam	4	2.929	0.1%
765 kV Route	Dv	Divide loam	Slight	All areas are prime farmland	Severe	Medium	Loam	4	7.682	0.3%
765 kV Route	EaA	Egeland sandy loam, 0 to 2 percent slopes	Slight	All areas are prime farmland	Moderate	Medium	Sandy loam	5	2.403	0.1%
765 kV Route	EaB	Egeland sandy loam, 2 to 6 percent slopes	Slight	All areas are prime farmland	Moderate	Medium	Sandy loam	5	0.140	0.0%
765 kV Route	Ec	Estelline silty clay loam	Slight	All areas are prime farmland	Severe	Medium	Silty clay loam	0	6.939	0.3%
765 kV Route	Fb	Fordtown loam, 0 to 2 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Loam	1	11.343	0.4%
765 kV Route	FcB	Fordville-Renshaw loams, 2 to 6 percent slopes	Slight	Prime farmland if irrigated	Severe	Medium	Loam	0	5.113	0.2%
765 kV Route	FdA	Fordville loam, coteau, 0 to 2 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Loam	0	0.996	0.0%
765 kV Route	FeA	Fordville loam, coteau, 0 to 2 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Loam	0	5.332	0.2%
765 kV Route	FmA	Forman-Aastad loams, 0 to 2 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Loam	10	23.783	0.9%
765 kV Route	FmB	Forman-Aastad loams, 1 to 6 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Loam	4	159.544	5.8%
765 kV Route	FtC	Forman-Buse-Aastad loams, 2 to 9 percent slopes	Moderate	Farmland of statewide importance	Severe	Medium	Loam	7	60.617	2.2%
765 kV Route	FtD	Forman-Buse-Aastad loams, 2 to 15 percent slopes	Moderate	Not prime farmland	Severe	Medium	Loam	3	82.409	3.0%
765 kV Route	Fx	Fossum sandy loam	Slight	Not prime farmland	Moderate	Medium	Sandy loam	100	1.467	0.1%
765 kV Route	Fy	Fulda silty clay loam	Slight	Prime farmland if drained	Severe	Low	Silty clay loam	100	1.232	0.0%
765 kV Route	Hb	Hamerly-Badger complex, 0 to 2 percent slopes	Slight	Farmland of statewide importance	Severe	Medium	Loam	4	16.731	0.6%
765 kV Route	HbB	Esmond-Heimdal-Sisseton complex, 2 to 6 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Loam	5	1.206	0.0%
765 kV Route	HbC	Esmond-Sisseton-Heimdal, complex, 2 to 12 percent slopes, moderately eroded	Moderate	Farmland of statewide importance	Severe	Medium	Loam	5	43.621	1.6%
765 kV Route	HcA	Heimdal-Svea loams, 0 to 2 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Loam	6	20.967	0.8%
765 kV Route	HcB	Heimdal-Svea loams, 2 to 6 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Loam	8	91.719	3.4%
765 kV Route	Hm	Hamerly-Badger complex, 0 to 2 percent slopes	Slight	Farmland of statewide importance	Severe	Medium	Loam	4	55.482	2.0%
765 kV Route	HtA	Hegne-Fulda silty clay loams	Slight	Prime farmland if drained	Severe	Medium	Silty clay loam	92	15.052	0.6%
765 kV Route	J209C	Forman-Buse complex, 6 to 12 percent slopes, moderately eroded	Moderate	Farmland of statewide importance	Severe	Medium	Clay loam	8	9.800	0.4%
765 kV Route	J217A	Parnell silty clay loam, frequently ponded, 0 to 1 percent slopes	Slight	Not prime farmland	Severe	Low	Silty clay loam	97	17.380	0.6%
765 kV Route	J225B	Forman-Aastad complex, 1 to 4 percent slopes	Slight	All areas are prime farmland	Severe	Low	Clay loam	13	116.372	4.3%
765 kV Route	J49A	Lakepark-Parnell, occasionally ponded, complex, 0 to 2 percent slopes	Slight	Prime farmland if drained	Severe	Low	Clay loam	95	1.730	0.1%
765 kV Route	KrA	Kranzburg-Brookings silty clay loams, 0 to 2 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Silty clay loam	1	11.998	0.4%
765 kV Route	KrB	Kranzburg-Brookings silty clay loams, 1 to 6 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Silty clay loam	3	7.352	0.3%
765 kV Route	La	La Prairie loam	Slight	All areas are prime farmland	Severe	Medium	Loam	4	3.076	0.1%
765 kV Route	La	LaDelle silt loam	Slight	All areas are prime farmland	Severe	Medium	Silt loam	10	50.419	1.8%
765 kV Route	Lb	LaDelle silt loam, channeled	Slight	Not prime farmland	Severe	Medium	Silt loam	7	18.628	0.7%
765 kV Route	Ld	LaDelle silt loam	Slight	All areas are prime farmland	Severe	Medium	Silt loam	9	1.044	0.0%
765 kV Route	Lk	Lamoure silty clay loam, 0 to 1 percent slopes	Slight	Prime farmland if drained	Severe	Low	Silty clay loam	98	1.707	0.1%
765 kV Route	Lm	Lamoure-Rauville silty clay loams, channeled	Slight	Not prime farmland	Severe	Low	Silty clay loam	99	12.958	0.5%
765 kV Route	Lm	Lamoure silty clay loam, 0 to 2 percent slopes, occasionally flooded	Slight	Prime farmland if drained	Severe	Low	Silty clay loam	92	0.297	0.0%
765 kV Route	LnB	Lanona-Swenoda sandy loams, 2 to 6 percent slopes	Slight	All areas are prime farmland	Moderate	Medium	Sandy loam	1	0.203	0.0%
765 kV Route	Lr	Lamoure-Rauville silty clay loams, channeled	Slight	Not prime farmland	Severe	Low	Silty clay loam	91	12.831	0.5%
765 kV Route	Lw	Lowe loam	Slight	Prime farmland if drained	Severe	Medium	Loam	94	0.035	0.0%
765 kV Route	Mr	Moritz-Lamoure complex	Slight	Prime farmland if drained	Severe	Medium	Loam	30	1.445	0.1%
765 kV Route	Mt	Mckranz-Badger silty clay loams, 0 to 2 percent slopes	Slight	Farmland of statewide importance	Severe	Medium	Silty clay loam	8	5.431	0.2%
765 kV Route	NsC	Nutley-Sinai silty clays, 6 to 12 percent slopes	Moderate	Farmland of statewide importance	Severe	Medium	Silty clay	1	4.826	0.2%

Description	Map Unit Symbol	Map Unit Name	Erosion Hazard (Off-Road, Off-Trail)	Prime farmland	Rutting Hazard	Compaction susceptibility	Surface texture	Hydric soils	Acres	% of 765 kV Route
765 kV Route	Og	Orthents, gravelly	Moderate	Not prime farmland	Moderate	Low	Gravelly loam	1	0.043	0.0%
765 kV Route	Ok	Orthents, gravelly	Moderate	Not prime farmland	Moderate	Medium	Gravelly loam	0	5.412	0.2%
765 kV Route	Pa	Parnell silty clay loam	Slight	Not prime farmland	Severe	Low	Silty clay loam	100	16.573	0.6%
765 kV Route	Pb	Southam silty clay loam, 0 to 1 percent slopes	Slight	Not prime farmland	Severe	Low	Silty clay loam	96	3.820	0.1%
765 kV Route	Pc	Parnell-Vallers complex	Slight	Not prime farmland	Severe	Low	Silty clay loam	95	17.778	0.7%
765 kV Route	PcA	Peever clay loam, 0 to 2 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Clay loam	2	6.682	0.2%
765 kV Route	PcB	Peever clay loam, 2 to 6 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Clay loam	2	7.413	0.3%
765 kV Route	PeA	Peever clay loam, 0 to 2 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Clay loam	2	108.724	4.0%
765 kV Route	PeB	Peever clay loam, 2 to 6 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Clay loam	2	59.523	2.2%
765 kV Route	Ph	Playmoor silty clay loam	Slight	Not prime farmland	Severe	Medium	Silty clay loam	95	13.405	0.5%
765 kV Route	Pm	Playmoor silty clay loam	Slight	Not prime farmland	Severe	Medium	Silty clay loam	100	7.810	0.3%
765 kV Route	Po	Poinsett-Waubay silty clay loams, 0 to 2 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Silty clay loam	4	13.090	0.5%
765 kV Route	PwA	Poinsett-Waubay silty clay loams, 0 to 2 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Silty clay loam	4	33.909	1.2%
765 kV Route	PwB	Poinsett-Waubay silty clay loams, 1 to 6 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Silty clay loam	2	37.539	1.4%
765 kV Route	RbA	Renshaw loam, 0 to 2 percent slopes	Slight	Prime farmland if irrigated	Severe	Medium	Loam	3	0.018	0.0%
765 kV Route	RbB	Renshaw loam, 1 to 6 percent slopes	Slight	Prime farmland if irrigated	Severe	Medium	Loam	0	8.345	0.3%
765 kV Route	Rc	Rauville silty clay loam, 0 to 2 percent slopes, frequently flooded	Slight	Not prime farmland	Severe	Low	Silty clay loam	95	8.222	0.3%
765 kV Route	RcD	Renshaw-Sioux complex, 6 to 15 percent slopes	Moderate	Not prime farmland	Severe	Medium	Loam	0	5.681	0.2%
765 kV Route	Rp	Rauville silty clay loam, ponded	Slight	Not prime farmland	Severe	Low	Silty clay loam	100	1.060	0.0%
765 kV Route	RsB	Renshaw-Sioux complex, coteau, 2 to 6 percent slopes	Slight	Not prime farmland	Severe	Medium	Loam	0	25.831	0.9%
765 kV Route	RtA	Rentill loam	Slight	All areas are prime farmland	Severe	Medium	Loam	1	2.765	0.1%
765 kV Route	SbA	Sinai silty clay, 0 to 2 percent slopes	Slight	All areas are prime farmland	Severe	Low	Silty clay	1	25.174	0.9%
765 kV Route	SbB	Sinai silty clay, 2 to 6 percent slopes	Slight	All areas are prime farmland	Severe	Low	Silty clay	1	14.221	0.5%
765 kV Route	SbB	Singsaas-Buse complex, 2 to 6 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Silty clay loam	2	1.647	0.1%
765 kV Route	SbE	Sisseton-Esmond complex, 12 to 40 percent slopes	Severe	Not prime farmland	Severe	Medium	Loam	2	0.060	0.0%
765 kV Route	ScB	Singsaas-Waubay silty clay loams, 1 to 6 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Silty clay loam	2	30.180	1.1%
765 kV Route	ScD	Sisseton-Esmond-Heimdal, complex, 6 to 20 percent slopes, moderately eroded	Moderate	Not prime farmland	Severe	Medium	Loam	5	31.403	1.1%
765 kV Route	Sd	Svea loam, 1 to 3 percent slopes	Slight	All areas are prime farmland	Severe	Low	Loam	5	13.782	0.5%
765 kV Route	SeA	Swenoda fine sandy loam, 0 to 2 percent slopes	Slight	All areas are prime farmland	Moderate	Medium	Fine sandy loam	1	34.875	1.3%
765 kV Route	ShA	Singsaas-Waubay silty clay loams, 0 to 2 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Silty clay loam	2	8.123	0.3%
765 kV Route	ShB	Singsaas-Waubay silty clay loams, 1 to 6 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Silty clay loam	2	62.875	2.3%
765 kV Route	So	Southam silty clay loam, 0 to 1 percent slopes	Slight	Not prime farmland	Severe	Low	Silty clay loam	96	21.550	0.8%
765 kV Route	SrA	Strayhoss loam, 0 to 2 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Loam	3	8.058	0.3%
765 kV Route	SrB	Strayhoss loam, 2 to 6 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Loam	1	8.078	0.3%
765 kV Route	SvA	Svea loam, 0 to 2 percent slopes	Slight	All areas are prime farmland	Severe	Low	Loam	3	2.815	0.1%
765 kV Route	SwA	Swenoda-Lanona sandy loams, 0 to 2 percent slopes	Slight	All areas are prime farmland	Moderate	Medium	Sandy loam	1	0.148	0.0%
765 kV Route	Ta	Tonka silty clay loam, 0 to 1 percent slopes	Slight	Prime farmland if drained	Severe	Medium	Silty clay loam	93	21.047	0.8%
765 kV Route	Va	Vallers clay loam, 0 to 2 percent slopes	Slight	Prime farmland if drained	Severe	Low	Clay loam	90	2.839	0.1%
765 kV Route	VaB	Venagro-Svea loams, 1 to 6 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Loam	1	0.221	0.0%
765 kV Route	Vb	Vallers-Parnell complex	Slight	Not prime farmland	Severe	Low	Loam	100	3.586	0.1%
765 kV Route	VbA	Vienna-Brookings complex, 0 to 2 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Silt loam	1	10.981	0.4%
765 kV Route	VbB	Vienna-Brookings complex, 1 to 6 percent slopes	Moderate	All areas are prime farmland	Severe	Medium	Silt loam	1	30.006	1.1%
765 kV Route	Vc	Vallers-Tonka complex	Slight	Prime farmland if drained	Severe	Low	Loam	100	33.838	1.2%
765 kV Route	Vc	Vallers loam	Slight	Prime farmland if drained	Severe	Low	Loam	98	2.532	0.1%
765 kV Route	VnC	Vienna-Buse complex, 6 to 9 percent slopes	Moderate	Farmland of statewide importance	Severe	Medium	Silt loam	1	7.434	0.3%
765 kV Route	W	Water	Not rated	Not prime farmland	Not rated	Not rated	<Null>	0	10.317	0.4%
765 kV Route	Z150A	Rauville silty clay loam, coteau, 0 to 1 percent slopes, frequently flooded	Slight	Not prime farmland	Severe	Low	Silty clay loam	92	23.193	0.8%
765 kV Route	Z152A	Lamoure silty clay loam, coteau, 0 to 1 percent slopes, occasionally flooded	Slight	Prime farmland if drained	Severe	Medium	Silty clay loam	10	20.221	0.7%

Description	Map Unit Symbol	Map Unit Name	Erosion Hazard (Off-Road, Off-Trail)	Prime farmland	Rutting Hazard	Compaction susceptibility	Surface texture	Hydric soils	Acres	% of 765 kV Route
765 kV Route	Z153A	Lamoure-Rauville silty clay loams, channeled, 0 to 2 percent slopes, frequently flooded	Slight	Not prime farmland	Severe	Medium	Silty clay loam	94	27.515	1.0%
765 kV Route	Z158A	Marysland loam, 0 to 1 percent slopes, occasionally flooded	Slight	Prime farmland if drained	Severe	Medium	Loam	88	1.678	0.1%
765 kV Route	Z159A	Divide loam, 0 to 2 percent slopes, occasionally flooded	Slight	Prime farmland if drained	Severe	Medium	Loam	10	11.881	0.4%
765 kV Route	Z160A	Moritz, occasionally flooded-Lamoure, frequently flooded, complex, 0 to 2 percent slopes	Slight	Prime farmland if drained	Severe	Low	Loam	35	33.556	1.2%
765 kV Route	Z161A	Spottswood loam, 0 to 2 percent slopes, occasionally flooded	Slight	All areas are prime farmland	Severe	Medium	Loam	1	5.543	0.2%
765 kV Route	Z166A	Fordtown loam, 0 to 2 percent slopes, rarely flooded	Slight	All areas are prime farmland	Severe	Medium	Loam	0	8.646	0.3%
765 kV Route	Z167A	Renwash loam, 0 to 2 percent slopes, rarely flooded	Slight	Prime farmland if irrigated	Severe	Medium	Loam	0	6.773	0.2%
765 kV Route	Z169A	Fordtown, rarely flooded-Spottswood, occasionally flooded, loams, 0 to 2 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Loam	1	6.287	0.2%
765 kV Route	Z171A	Renshaw-Fordville loams, coteau, 0 to 2 percent slopes	Slight	Prime farmland if irrigated	Severe	Medium	Loam	0	32.164	1.2%
765 kV Route	Z171B	Renshaw-Fordville loams, coteau, 2 to 6 percent slopes	Slight	Prime farmland if irrigated	Severe	Medium	Loam	0	37.433	1.4%
765 kV Route	Z172A	Renshaw loam, coteau, 0 to 2 percent slopes	Slight	Prime farmland if irrigated	Severe	Medium	Loam	0	3.895	0.1%
765 kV Route	Z173B	Renshaw-Sioux complex, coteau, 2 to 6 percent slopes	Slight	Not prime farmland	Severe	Medium	Loam	0	21.029	0.8%
765 kV Route	Z173C	Renshaw-Sioux complex, coteau, 6 to 9 percent slopes	Moderate	Not prime farmland	Severe	Medium	Loam	0	7.170	0.3%
765 kV Route	Z174F	Sioux-Renshaw complex, coteau, 15 to 40 percent slopes	Moderate	Not prime farmland	Moderate	Medium	Gravelly loam	0	2.152	0.1%
765 kV Route	Z176B	Arvilla-Sandberg sandy loams, coteau, 2 to 6 percent slopes	Slight	Not prime farmland	Moderate	Medium	Sandy loam	0	2.095	0.1%
765 kV Route	Z182A	Estelline silt loam, coteau, 0 to 2 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Silt loam	0	7.692	0.3%
765 kV Route	Z182B	Estelline silt loam, coteau, 2 to 6 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Silt loam	0	1.869	0.1%
765 kV Route	Z185B	Egeland-Embden complex, coteau, 2 to 6 percent slopes	Slight	All areas are prime farmland	Moderate	Medium	Sandy loam	0	1.006	0.0%
765 kV Route	Z186B	Maddock-Egeland sandy loams, coteau, 2 to 6 percent slopes	Slight	Prime farmland if irrigated	Moderate	Medium	Sandy loam	0	4.998	0.2%
Brookings 345 kV Substation Siting Area	DoB	Doland loam, 2 to 6 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Loam	1	19.188	82.8%
Brookings 345 kV Substation Siting Area	KrB	Kranzburg-Brookings silty clay loams, 1 to 6 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Silty clay loam	3	0.078	0.3%
Brookings 345 kV Substation Siting Area	Mu	McIntosh-Lamoure silty clay loams, 0 to 2 percent slopes	Slight	Prime farmland if drained	Severe	Low	Silty clay loam	30	2.416	10.4%
Brookings 345 kV Substation Siting Area	VaB	Venagro-Svea loams, 1 to 6 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Loam	1	1.480	6.4%
Expanded Brookings 765 kV Substation Siting Area	BbA	Barnes clay loam, 0 to 2 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Clay loam	2	40.456	16.9%
Expanded Brookings 765 kV Substation Siting Area	BbB	Barnes clay loam, 2 to 6 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Clay loam	2	137.962	57.8%
Expanded Brookings 765 kV Substation Siting Area	BgC	Buse-Barnes loams, 6 to 9 percent slopes	Moderate	Farmland of statewide importance	Severe	Medium	Loam	0	5.631	2.4%
Expanded Brookings 765 kV Substation Siting Area	BxE	Buse-Sioux complex, 9 to 40 percent slopes	Moderate	Not prime farmland	Severe	Medium	Loam	1	1.209	0.5%
Expanded Brookings 765 kV Substation Siting Area	Hb	Hamerly-Badger complex, 0 to 2 percent slopes	Slight	Farmland of statewide importance	Severe	Medium	Loam	4	5.356	2.2%
Expanded Brookings 765 kV Substation Siting Area	SvA	Svea loam, 0 to 2 percent slopes	Slight	All areas are prime farmland	Severe	Low	Loam	3	14.500	6.1%
Expanded Brookings 765 kV Substation Siting Area	VbB	Vienna-Brookings complex, 1 to 6 percent slopes	Moderate	All areas are prime farmland	Severe	Medium	Silt loam	1	30.334	12.7%
Expanded Brookings 765 kV Substation Siting Area	Z186B	Maddock-Egeland sandy loams, coteau, 2 to 6 percent slopes	Slight	Prime farmland if irrigated	Moderate	Medium	Sandy loam	0	3.292	1.4%
Big Stone South Substation Siting Area	EaA	Egeland sandy loam, 0 to 2 percent slopes	Slight	All areas are prime farmland	Moderate	Medium	Sandy loam	5	0.010	0.0%

Description	Map Unit Symbol	Map Unit Name	Erosion Hazard (Off-Road, Off-Trail)	Prime farmland	Rutting Hazard	Compaction susceptibility	Surface texture	Hydric soils	Acres	% of 765 kV Route
Big Stone South Substation Siting Area	HbB	Esmond-Heimdal-Sisseton complex, 2 to 6 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Loam	5	0.064	0.1%
Big Stone South Substation Siting Area	HbC	Esmond-Sisseton-Heimdal, complex, 2 to 12 percent slopes, moderately eroded	Moderate	Farmland of statewide importance	Severe	Medium	Loam	5	34.928	41.1%
Big Stone South Substation Siting Area	HcB	Heimdal-Svea loams, 2 to 6 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Loam	8	16.377	19.3%
Big Stone South Substation Siting Area	Po	Poinsett-Waubay silty clay loams, 0 to 2 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Silty clay loam	4	3.643	4.3%
Big Stone South Substation Siting Area	ScD	Sisseton-Esmond-Heimdal, complex, 6 to 20 percent slopes, moderately eroded	Moderate	Not prime farmland	Severe	Medium	Loam	5	17.585	20.7%
Big Stone South Substation Siting Area	SeA	Swenoda fine sandy loam, 0 to 2 percent slopes	Slight	All areas are prime farmland	Moderate	Medium	Fine sandy loam	1	9.581	11.3%
Big Stone South Substation Siting Area	Ta	Tonka silty clay loam, 0 to 1 percent slopes	Slight	Prime farmland if drained	Severe	Medium	Silty clay loam	93	2.157	2.5%
Big Stone South Substation Siting Area	Vc	Vallers-Tonka complex	Slight	Prime farmland if drained	Severe	Low	Loam	100	0.575	0.7%

Soil Properties for Substation Siting Areas

Description	Map Unit Symbol	Map Unit Name	Erosion Hazard (Off-Road, Off-Trail)	Prime farmland	Rutting Hazard	Compaction susceptibility	Surface texture	Hydric soils	Acres	% of Substation Siting Area
Brookings 345 kV Substation Siting Area	DoB	Doland loam, 2 to 6 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Loam	1	3.61	13.80%
Brookings 345 kV Substation Siting Area	Mu	McIntosh-Lamoure silty clay loams, 0 to 2 percent slopes	Slight	Prime farmland if drained	Severe	Low	Silty clay loam	30	8.29	31.69%
Brookings 345 kV Substation Siting Area	StB	Strayhoss-Maddock complex, 2 to 6 percent slopes	Slight	Prime farmland if irrigated	Severe	Medium	Loam	1	1.22	4.67%
Brookings 345 kV Substation Siting Area	VaB	Venagro-Svea loams, 1 to 6 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Loam	1	10.18	38.91%
Brookings 345 kV Substation Siting Area	VnC	Vienna-Buse complex, 6 to 9 percent slopes	Moderate	Farmland of statewide importance	Severe	Medium	Silt loam	1	1.07	4.10%
Brookings 345 kV Substation Siting Area	Z171B	Renshaw-Fordville loams, coteau, 2 to 6 percent slopes	Slight	Prime farmland if irrigated	Severe	Medium	Loam	0	0.21	0.82%
Brookings 345 kV Substation Siting Area	Z182A	Estelline silt loam, coteau, 0 to 2 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Silt loam	0	1.58	6.02%
Expanded Brookings 765 kV Substation Siting Area	BbA	Barnes clay loam, 0 to 2 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Clay loam	2	40.456	16.9%
Expanded Brookings 765 kV Substation Siting Area	BbB	Barnes clay loam, 2 to 6 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Clay loam	2	137.962	57.8%
Expanded Brookings 765 kV Substation Siting Area	BgC	Buse-Barnes loams, 6 to 9 percent slopes	Moderate	Farmland of statewide importance	Severe	Medium	Loam	0	5.631	2.4%
Expanded Brookings 765 kV Substation Siting Area	BxE	Buse-Sioux complex, 9 to 40 percent slopes	Moderate	Not prime farmland	Severe	Medium	Loam	1	1.209	0.5%
Expanded Brookings 765 kV Substation Siting Area	Hb	Hamerly-Badger complex, 0 to 2 percent slopes	Slight	Farmland of statewide importance	Severe	Medium	Loam	4	5.356	2.2%
Expanded Brookings 765 kV Substation Siting Area	SvA	Svea loam, 0 to 2 percent slopes	Slight	All areas are prime farmland	Severe	Low	Loam	3	14.500	6.1%
Expanded Brookings 765 kV Substation Siting Area	VbB	Vienna-Brookings complex, 1 to 6 percent slopes	Moderate	All areas are prime farmland	Severe	Medium	Silt loam	1	30.334	12.7%
Expanded Brookings 765 kV Substation Siting Area	Z186B	Maddock-Egeland sandy loams, coteau, 2 to 6 percent slopes	Slight	Prime farmland if irrigated	Moderate	Medium	Sandy loam	0	3.292	1.4%
Big Stone South Substation Siting Area	HbC	Esmond-Sisseton-Heimdal, complex, 2 to 12 percent slopes, moderately erode	Moderate	Farmland of statewide importance	Severe	Medium	Loam	5	14.04	35.66%
Big Stone South Substation Siting Area	HcB	Heimdal-Svea loams, 2 to 6 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Loam	8	6.00	15.23%
Big Stone South Substation Siting Area	Po	Poinsett-Waubay silty clay loams, 0 to 2 percent slopes	Slight	All areas are prime farmland	Severe	Medium	Silty clay loam	4	3.64	9.25%
Big Stone South Substation Siting Area	ScD	Sisseton-Esmond-Heimdal, complex, 6 to 20 percent slopes, moderately erode	Moderate	Not prime farmland	Severe	Medium	Loam	5	8.83	22.42%
Big Stone South Substation Siting Area	SeA	Swenoda fine sandy loam, 0 to 2 percent slopes	Slight	All areas are prime farmland	Moderate	Medium	Fine sandy loam	1	4.71	11.95%
Big Stone South Substation Siting Area	Ta	Tonka silty clay loam, 0 to 1 percent slopes	Slight	Prime farmland if drained	Severe	Medium	Silty clay loam	93	2.16	5.48%