

Appendix H

Locations and Methods of Road and Railroad Crossings

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Road and Railroad Crossings

This table updates the information submitted as Appendix L of the Enbridge Energy, Limited Partnership Application for a Pipeline Routing Permit on April 24, 2015. The Road and Railroad Crossing Table was provided in April 2016 and was published as part of the Environmental Assessment Worksheet.

**Line 3 Replacement Project
Road and Railroad Crossing Table**

MP	County	Crossing Type	Name	Crossing Method
802	Kittson	Road	160th Avenue	Open-cut
803	Kittson	Road	200th Street	Open-cut
804	Kittson	Road	170th Avenue	Open-cut
805	Kittson	Road	190th Street	Open-cut
806	Kittson	Road	180th Street	Open-cut
806	Kittson	Road	180th Avenue	Open-cut
807	Kittson	Road	CSAH #7	Bore
807	Kittson	Road	CSAH #1	Bore
808	Kittson	Road	200th Avenue	Open-cut
809	Kittson	Road	160th Street	Open-cut
810	Kittson	Road	150th Street	Bore
810	Kittson	Road	210th Avenue	Open-cut
811	Kittson	Road	CSAH #23	Bore
811	Kittson	Road	CSAH #13	Open-cut
813	Kittson	Road	130th Street	Open-cut
813	Kittson	Road	CSAH #13	Open-cut
814	Kittson	Road	240th Ave	Open-cut
814	Kittson	Road	State Highway 11	Bore
816	Kittson	Road	110th Street	Open-cut
816	Kittson	Road	250th Avenue	Open-cut
817	Kittson	Railroad	Burlington Northern Santa Fe Railway	Bore
817	Kittson	Road	100th St/460th St NW	Bore
817	Kittson	Road	US Highway 75	Bore
818	Marshall	Road	450th Street NW	Open-cut
819	Marshall	Road	380th Avenue NW	Open-cut
819	Marshall	Ditch	Jurisdiction Ditch Number 8	Open-cut
820	Marshall	Road	370th Avenue NW	Open-cut
820	Marshall	Road	CSAH #24	Bore
821	Marshall	Road	430th Street NW	Open-cut
822	Marshall	Road	420th Street NW	Open-cut
822	Marshall	Road	CSAH #23	Bore
823	Marshall	Road	415th Street NW	Open-cut
824	Marshall	Road	350th Avenue NW	Bore
824	Marshall	Road	410th Street NW	Bore
824	Marshall	Ditch	County Ditch #45-BR3	Bore
825	Marshall	Road	340th Avenue NW	Open-cut
825	Marshall	Road	CSAH #5	Bore
826	Marshall	Road	CSAH #6	Bore
826	Pennington	Ditch	Jurisdiction Ditch Number 16	Open-cut
827	Marshall	Road	330th Avenue NW	Open-cut
828	Marshall	Road	380th Street NW	Open-cut
829	Marshall	Road	CSAH #34	Bore
830	Marshall	Road	CSAH #30	Open-cut
831	Marshall	Road	300th Avenue NW	Open-cut
831	Marshall	Ditch	Name Not Confirmed	Open-cut
832	Marshall	Road	290th Avenue NW	Open-cut

**Line 3 Replacement Project
Road and Railroad Crossing Table**

MP	County	Crossing Type	Name	Crossing Method
832	Marshall	Road	350th Street NW	Open-cut
833	Marshall	Road	County Road 110	Open-cut
833	Marshall	Ditch		Open-cut
834	Marshall	Road	280th Avenue NW	Open-cut
835	Marshall	Road	CSAH #1	Bore
835	Marshall	Road	330th Street NW	Open-cut
836	Marshall	Road	County Road 111	Open-cut
836	Marshall	Road	CSAH #4	HDD
838	Marshall	Road	CSAH #3	Bore
838	Marshall	Road	250th Avenue NW	Open-cut
839	Marshall	Road	240th Avenue NW	Open-cut
839	Marshall	Road	County Road 37	Open-cut
840	Marshall	Road	290th Street NW	Open-cut
841	Marshall	Road	230th Avenue NW	Open-cut
842	Marshall	Road	220th Avenue NW	Open-cut
842	Marshall	Road	280th Street NW	Open-cut
843	Marshall	Road	CSAH #14	Bore
844	Marshall	Road	210th Avenue NW	Open-cut
845	Marshall	Road	200th Avenue NW	Bore
846	Marshall	Railroad	Northern Plains	Bore
846	Marshall	Road	CSAH #38	Bore
846	Marshall	Road	250th Street NW	Bore
847	Marshall	Road	240th Street NW	Open-cut
848	Marshall	Road	180th Avenue NW	Bore
848	Marshall	Road	CSAH #2	Bore
849	Marshall	Road	225th Street NW	Open-cut
850	Marshall	Road	160th Avenue NW	Open-cut
850	Marshall	Road	220th Street NW	Bore
850	Marshall	Road	County Road 107	Bore
851	Marshall	Road	160th Avenue NW	Bore
851	Marshall	Road	215th Street NW	Bore
851	Marshall	Road	165th Avenue NW	Open-cut
852	Pennington	Road	200th Street NW	Open-cut
853	Pennington	Road	147th Avenue NW	Open-cut
853	Pennington	Road	150th Avenue NW	Open-cut
855	Pennington	Road	County Highway 63/180th St NW	Bore
855	Pennington	Ditch	Jurisdiction Ditch Number 25-BR-3	Bore
856	Pennington	Road	130th Avenue NW	Open-cut
857	Pennington	Road	County Highway 71	Open-cut
857	Pennington	Road	State Highway 1	Bore
858	Pennington	Road	160th Street NW	Open-cut
858	Pennington	Ditch	County Ditch #96-BR-4	Open-cut
859	Pennington	Road	County Highway 61	Open-cut
859	Pennington	Road	CSAH #15	Bore
860	Pennington	Road	County Highway 72	Open-cut
861	Pennington	Road	CSAH #7	Bore

**Line 3 Replacement Project
Road and Railroad Crossing Table**

MP	County	Crossing Type	Name	Crossing Method
862	Pennington	Road	County Highway 59	Open-cut
862	Pennington	Road	County Highway 73	Bore
863	Pennington	Road	120th Street NE	Open-cut
863	Pennington	Road	County Highway 74	Open-cut
864	Pennington	Railroad	Minnesota Northern Railroad	Bore
864	Pennington	Road	State Highway 32	Bore
865	Pennington	Road	County Highway 75	Open-cut
866	Pennington	Road	CSAH #17	Bore
866	Pennington	Road	CSAH #3	Bore
867	Pennington	Road	County Highway 55	Open-cut
868	Pennington	Road	150th Avenue SE	Bore
869	Pennington	Road	160th Avenue SE	Open-cut
870	Pennington	Road	County Highway 79	Open-cut
870	Pennington	Road	CSAH #2	Open-cut
871	Pennington	Road	County Highway 52	Open-cut
871	Pennington	Road	175th Avenue SE	Open-cut
873	Red Lake	Road	CSAH #26	Open-cut
874	Red Lake	Road	160th Street SE	Open-cut
874	Red Lake	Road	190th Avenue SE	Open-cut
875	Red Lake	Road	Township #107	Open-cut
876	Red Lake	Railroad	Canadian Pacific Railway	HDD
876	Red Lake	Road	U.S Highway 59	HDD
876	Red Lake	Road	County Road 126	HDD
877	Red Lake	Road	CSAH #1	Bore
877	Red Lake	Ditch	County Ditch #22	Bore
878	Red Lake	Road	190th Street SE	Open-cut
879	Red Lake	Road	230th Avenue SE	Open-cut
880	Red Lake	Road	County Road 129	Open-cut
880	Red Lake	Ditch	BR-6	Open-cut
881	Red Lake	Road	250th Avenue SE	Open-cut
881	Red Lake	Ditch	County Ditch #67	Open-cut
883	Red Lake	Road	CSAH #21	Open-cut
884	Red Lake	Road	270th Avenue SE	Open-cut
885	Red Lake	Road	220th Street SE	Open-cut
885	Red Lake	Road	280th Avenue SE	Open-cut
886	Red Lake	Road	CSAH #5	Bore
887	Polk	Road	CSAH #33	Open-cut
888	Polk	Road	310th Avenue SE	Open-cut
890	Polk	Road	240th Street SE	Open-cut
891	Polk	Road	340th Avenue SE	Open-cut
892	Polk	Road	CSAH #6	Bore
893	Polk	Road	360th Ave SE	Open-cut
894	Polk	Road	Stine Road	Bore
894	Polk	Ditch	State Ditch 61 B.1.L.1	Open-cut
895	Polk	Road	CSAH #28	Open-cut
895	Polk	Ditch	State Ditch 61 B.1.L.1	Open-cut

**Line 3 Replacement Project
Road and Railroad Crossing Table**

MP	County	Crossing Type	Name	Crossing Method
896	Polk	Railroad	Canadian Pacific Railway	Bore
896	Polk	Road	State Highway 92	Bore
896	Polk	Road	380th Avenue SE	Bore
898	Polk	Road	CSAH #2	Bore
899	Polk	Road	410th Avenue SE	Open-cut
900	Polk	Road	420th Avenue SE	Bore
901	Clearwater	Road	101st St SE (Pine Lake T-131)	Bore
902	Clearwater	Road	113th Avenue	Open-cut
903	Clearwater	Road	CSAH #8	Bore
904	Clearwater	Road	CSAH #7	Bore
905	Clearwater	Road	County Road 73	Bore
905	Clearwater	Road	490th Street	Open-cut
907	Clearwater	Road	159th Avenue	Open-cut
908	Clearwater	Road	State Highway 92	Bore
912	Clearwater	Road	CR-3	Bore
913	Clearwater	Road	450TH ST	Open-cut
914	Clearwater	Road	181ST Avenue	Open-cut
914	Clearwater	Road	446TH ST	Open-cut
914	Clearwater	Road	MN Highway 223/Leonard Road	Bore
916	Clearwater	Road	418TH ST	Open-cut
918	Clearwater	Road	CR-1	Bore
920	Clearwater	Road	380th ST	Bore
920	Clearwater	Road	Fairground Road/CR-24	Bore
922	Clearwater	Road	US Highway 2	HDD
922	Clearwater	Railroad	Burlington Northern Santa Fe Railway	HDD
922	Clearwater	Road	Airport Drive	HDD
924	Clearwater	Road	CR-19	Bore
925	Clearwater	Road	340TH ST/CR-26	Bore
927	Clearwater	Road	CR-30/221ST Avenue	Bore
927	Clearwater	Road	320TH ST/CR-13	Bore
930	Clearwater	Road	300TH ST/Township Road 150	Open-cut
933	Clearwater	Road	CR-84/Pioneer Road	Bore
933	Clearwater	Road	270TH ST	Open-cut
934	Clearwater	Road	CR-36/Upper Rice Lake	Bore
935	Clearwater	Road	Mallard Grade Trail	Open-cut
936	Clearwater	Road	250TH ST	Open-cut
936	Clearwater	Road	CR-2	Bore
937	Clearwater	Road	240TH ST	Open-cut
938	Clearwater	Road	230TH ST/CR-40	HDD
939	Clearwater	Road	Clearline Road/220TH ST	Open-cut
941	Clearwater	Road	200TH ST	Open-cut
942	Clearwater	Road	190TH ST	Open-cut
946	Hubbard	Road	400TH ST	Open-cut
947	Hubbard	Road	390TH ST	Open-cut
948	Hubbard	Road	CR-95	Open-cut
950	Hubbard	Road	US Highway 71	Bore

**Line 3 Replacement Project
Road and Railroad Crossing Table**

MP	County	Crossing Type	Name	Crossing Method
950	Hubbard	Road	Norway Drive	Open-cut
954	Hubbard	Road	320th St/Wabisish Lake Road	Open-cut
955	Hubbard	Road	CR-89	Open-cut
956	Hubbard	Road	300TH ST	Open-cut
957	Hubbard	Road	Jade Rose Drive	Open-cut
959	Hubbard	Road	Inland Drive	Open-cut
959	Hubbard	Road	US Highway 71	Bore
960	Hubbard	Road	260TH ST	Open-cut
963	Hubbard	Road	CR-32	Open-cut
965	Hubbard	Road	CR-48	Bore
966	Hubbard	Road	200TH ST/Township Road 8	Open-cut
967	Hubbard	Road	190TH ST	Bore
967	Hubbard	Road	109TH Avenue	Bore
968	Hubbard	Road	MN Highway 34	Bore
969	Hubbard	Road	170TH ST	Open-cut
970	Hubbard	Road	160TH ST	Open-cut
971	Hubbard	Road	150TH ST	Open-cut
972	Hubbard	Road	CR-14	Bore
974	Hubbard	Road	109TH Avenue/CR-111	HDD
975	Hubbard	Road	114TH ST/Township Road 15	Open-cut
976	Hubbard	Road	110TH ST/CR-111	Open-cut
977	Hubbard	Road	109TH Avenue- Section Line	Open-cut
978	Hubbard	Road	119TH Avenue	Open-cut
979	Hubbard	Road	129TH Avenue	Open-cut
979	Hubbard	Road	US Highway 71	Bore
982	Hubbard	Road	159TH Avenue/Township Road 24	Bore
983	Hubbard	Road	CR-6	Bore
984	Hubbard	Road	179TH Avenue/CR-108	Open-cut
986	Hubbard	Road	CR-11	Bore
989	Wadena	Road	CR-25	Bore
992	Wadena	Road	CR-153	Open-cut
995	Cass	Road	96th Ave. SW	Open-cut
995	Cass	Road	94th Ave SW	Open-cut
995	Cass	Road	92nd Ave SW	Open-cut
997	Cass	Road	Mckinley Road # 2	Open-cut
997	Cass	Ditch	JD-2 Main	Open-cut
998	Cass	Ditch	JD-2 Lateral #1	Open-cut
999	Cass	Road	MN Highway 64	Bore
1000	Cass	Road	76TH Avenue SW	Open-cut
1001	Cass	Road	CR 112/72ND Avenue SW	Open-cut
1002	Cass	Road	68TH Avenue SW	Open-cut
1003	Cass	Trail	Bull Moose Trail	Bore
1007	Cass	Road	CR 27/48TH Avenue SW	Bore
1008	Cass	Road	44TH Avenue SW	Open-cut
1009	Cass	Trail	Paul Bunyan State Trail	Bore
1009	Cass	Road	MN Highway 371	Bore

**Line 3 Replacement Project
Road and Railroad Crossing Table**

MP	County	Crossing Type	Name	Crossing Method
1011	Cass	Road	32ND Avenue SW/Mildread Chapel Road	Open-cut
1012	Cass	Road	CR 42/28TH Avenue SW	Open-cut
1013	Cass	Road	24TH Avenue SW	Open-cut
1015	Cass	Road	MN Highway 84	Bore
1016	Cass	Road	CR 43/12TH Avenue SW	Bore
1016	Crow Wing	Road	CR 56	Bore
1017	Crow Wing	Road	Bulldozed Road	Open-cut
1022	Cass	Road	4TH ST NE	Open-cut
1027	Cass	Road	County Forest Road	Open-cut
1027	Cass	Road	CR 160/12TH ST NE	Open-cut
1029	Cass	Road	CR 160/12TH ST NE	Open-cut
1030	Cass	Road	CR 160/12TH ST NE	Open-cut
1032	Cass	Road	CR-55 NE	Open-cut
1033	Cass	Road	Lake Washburn Road NE/CR 48	Open-cut
1034	Cass	Road	CR 155 NE	Bore
1037	Cass	Road	Lake Washburn Road NE/CR 48	Bore
1038	Cass	Road	MN 6	Bore
1045	Cass	Road	Pikus Forest Road NE	Open-cut
1049	Aitkin	Road	CR-19	Open-cut
1052	Aitkin	Road	Osprey Avenue - CR 29	Open-cut
1056	Aitkin	Ditch	CD-30	Open-cut
1058	Aitkin	Road	CR-68	Open-cut
1059	Aitkin	Road	525TH Lane / UT-437	Open-cut
1060	Aitkin	Road	US Highway 169	Bore
1061	Aitkin	Road	510TH Lane	Open-cut
1062	Aitkin	Road	500TH Lane	Open-cut
1064	Aitkin	Road	480th St / CR-3	Bore
1066	Aitkin	Road	340TH Place	HDD
1067	Aitkin	Road	330TH Avenue	Open-cut
1069	Aitkin	Road	CR-10/Great River Road	HDD
1070	Aitkin	Road	CR-5	Bore
1071	Aitkin	Trail	Soo Line Recreational Trail	Open-cut
1071	Aitkin	Ditch	State Ditch-66	Open-cut
1072	Aitkin	Ditch	CD-38	Open-cut
1073	Aitkin	Ditch	Fire Relief Commission Ditch	Open-cut
1073	Aitkin	Road	270th Place	Open-cut
1073	Aitkin	Ditch	Fire Relief Commission Ditch	Open-cut
1074	Aitkin	Ditch	CD-4	Bore
1074	Aitkin	Road	Township Road 552	Open-cut
1074	Aitkin	Ditch	CD-4	Open-cut
1075	Aitkin	Ditch	CD-4	Open-cut
1075	Aitkin	Road	Township Road 550	Open-cut
1077	Aitkin	Road	240th Ave / CR-62	Open-cut
1077	Aitkin	Ditch	CD-4	Open-cut
1078	Aitkin	Road	240th Ave / CR-62	Open-cut
1080	Aitkin	Road	230th Ave / CR-62	Open-cut

**Line 3 Replacement Project
Road and Railroad Crossing Table**

MP	County	Crossing Type	Name	Crossing Method
1080	Aitkin	Road	440th Street	Open-cut
1082	Aitkin	Road	MN Highway 65	Bore
1082	Aitkin	Road	430th LANE	Open-cut
1083	Aitkin	Ditch	CD-42	Open-cut
1084	Aitkin	Road	Simpson Road/CR 73	Open-cut
1084	Aitkin	Ditch	CD-42	Open-cut
1086	Aitkin	Ditch	CD-42	HDD
1086	Aitkin	Railroad	Burlington Northern Santa Fe Railway	HDD
1086	Aitkin	Road	185TH Place	HDD
1086	Aitkin	Road	MN Highway 210	Bore
1087	Aitkin	Ditch	CD-29/42	Bore
1092	Aitkin	Ditch	CD-29	Open-cut
1092	Aitkin	Road	CR-16	Bore
1094	Aitkin	Road	395TH LANE	Open-cut
1102	Carlton	Road	CR 22	Bore
1107	Carlton	Road	Highway 73	Bore
1108	Carlton	Road	CR 129	Open-cut
1111	Carlton	Road	Heikkila Road	Open-cut
1112	Carlton	Road	CR-135	Bore
1115	Carlton	Road	CR-157	Open-cut
1116	Carlton	Road	Aho Road	Open-cut
1119	Carlton	Road	Strandberg Road	Open-cut
1120	Carlton	Road	CR-4	Bore
1121	Carlton	Road	CR-144 / Brandt Rd	Bore
1121	Carlton	Road	CR-61	Bore
1121	Carlton	Trail	Willard Munger State Trail	Bore
1124	Carlton	Road	Interstate 35	Bore
1126	Carlton	Road	CR-5	Bore
1127	Carlton	Road	Nendick Road	Open-cut
1128	Carlton	Road	Gillogly Road	Bore
1130	Carlton	Road	West Chub Lake Road	Bore
1131	Carlton	Road	East Chub Lake Road	Bore
1132	Carlton	Road	CR-3	Bore
1133	Carlton	Road	Alcohol Road/CR-101	Bore
1134	Carlton	Road	Thell Road/ UT-356	Bore
1135	Carlton	Road	CR-1	Bore
1135	Carlton	Road	Matten Road	Open-cut
1136	Carlton	Road	MAERE RD/T-373	Bore
1136	Carlton	Road	Cemetery Road/ T-94	Bore
1137	Carlton	Road	Cemetery Road / T-94	Bore
1137	Carlton	Road	MN 23	Bore