

Attachment D-1

Line 3 Replacement Project

Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Mispot	Eggers & Reed *	Circular 39 *	Cowardin *	Bore Crossing Method Length (ft) b	HDD Crossing Method Length (ft) b	Push-Pull Crossing Method Length (ft) b	Standard Open Cut Crossing Method Length (ft) b	Total Crossing Length (ft) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanently Filled (acres)	Total Impacts (acres)	Agency Designation	Construction Timing Restriction	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category *		
Kitson	Middle Red	09020311	3	w-1605w9b-a	7/7/2015	801.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					279.82	808.59			3.37			Apr 1 - Jun 15	160	50	4	9	NENE, NWNE, SESE	48.70373841	-97.11316992	
Kitson	Middle Red	09020311	3	w-1605w9b-a	7/7/2015	801.9	7- Floodplain Forest	Type 1 - Seasonally Flooded Basin or Flat	PFO			258.03			258.03			0.18			Apr 1 - Jun 15	160	50	4	9	NENE, NWNE, SESE	48.70373841	-97.11316992	
Kitson	Middle Red	09020311	3	w-1605w10-a	6/28/2014	802.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					12.22	12.22			0.02			Apr 1 - Jun 1	160	50	10	NNW	48.69828652	-97.10661311		
Kitson	Middle Red	09020311	3	w-1605w10-c	6/27/2014	803.1	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM					354.85	354.85			0.97			Apr 1 - Jun 1	160	50	10	SESW, SWSE	48.69097446	-97.09520088		
Kitson	Middle Red	09020311	3	w-1605w10-d	6/27/2014	803.4	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM					722.90	722.90			2.05			Apr 1 - Jun 1	160	50	10, 15	NENE, NWNE, SWSE	48.68844152	-97.09128528		
Kitson	Middle Red	09020311	3	w-1605w14-a	6/30/2014	803.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					13.64	13.64			0.03			Apr 1 - Jun 1	160	50	14	SWNW	48.68307251	-97.0864448		
Kitson	Middle Red	09020311	3	w-1605w23-a	7/2/2014	805.1	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM					9.00	9.00			0.04			Apr 1 - Jun 1	160	50	23	SWNE	48.68984626	-97.07028552		
Kitson	Middle Red	09020311	3	w-1605w23-e	7/29/2014	805.4	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM					181.24	181.24			0.44			Apr 1 - Jun 1	160	50	23	NESE	48.66485113	-97.06639606		
Kitson	Middle Red	09020311	3	w-1605w23-d	7/2/2014	805.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					9.00	9.00			0.04	0.01		Apr 1 - Jun 1	160	50	23	SESE	48.6621789	-97.06304297		
Kitson	Middle Red	09020311	3	w-1604w30-a	6/28/2016	807.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	28.01				28.01	28.01			0.09			Apr 1 - Jun 1	160	49	30	SWSW	48.64638576	-97.03960799		
Kitson	Middle Red	09020311	3	w-1604w31-a	7/1/2014	807.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					15.51	15.51			0.03			Apr 1 - Jun 1	160	49	31	NWNW	48.64584827	-97.0391611		
Kitson	Middle Red	09020311	3	w-1604w31-b	7/1/2014	808.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					12.70	12.70			0.02			Apr 1 - Jun 1	160	49	31	SESE	48.63340035	-97.02041641		
Kitson	Middle Red	09020311	3	w-1594w5-a	7/2/2014	809.3	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM					21.46	21.46			0.05			Apr 1 - Jun 1	159	49	5	NWSE, SWNE	48.62399752	-97.00650606		
Kitson	Middle Red	09020311	3	w-1594w5-b	7/7/2014	809.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					213.77	213.77			0.70			Apr 1 - Jun 1	159	49	5	SESE	48.6197551	-97.00047794		
Kitson	Middle Red	09020311	3	w-1594w5-b	7/7/2014	809.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO					0.00	0.00			0.01			Apr 1 - Jun 1	159	49	5	SESE	48.6197551	-97.00047794		
Kitson	Middle Red	09020311	3	w-1594w5-b	7/7/2014	809.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO					0.00	0.00			0.06			Apr 1 - Jun 1	159	49	5	SESE	48.6197551	-97.00047794	Forested Seasonal Ponds	
Kitson	Middle Red	09020311	3	w-1594w6-a	7/7/2014	810.5	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM					26.16	26.16			0.07			Apr 1 - Jun 1	159	49	9	SESW	48.61197906	-96.9888163		
Kitson	Middle Red	09020311	3	w-1594w10-b	7/30/2014	811.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	15.19				15.19	15.19			0.04			Apr 1 - Jun 1	159	49	10	SWSW	48.60333731	-96.97631478		
Kitson	Middle Red	09020311	3	w-1594w10-a	7/30/2014	811.4	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM					94.48	94.48			0.18			Apr 1 - Jun 1	159	49	10	SWSW	48.60289294	-96.97547027		
Kitson	Middle Red	09020311	3	w-1594w15-a	7/29/2014	812.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					31.88	31.88			0.07			Apr 1 - Jun 1	159	49	15	SESE	48.58826363	-96.95539117		
Kitson	Middle Red	09020311	3	w-1594w23-g	7/2/2014	812.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					41.79	41.79			0.10			Apr 1 - Jun 1	159	49	23	NWNW	48.58729052	-96.95389537		
Kitson	Middle Red	09020311	3	w-1594w26-a	6/28/2014	814.4	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM					5.73	5.73			0.01			Apr 1 - Jun 1	159	49	26	NENE, SENE	48.5689449	-96.93328148		
Kitson	Middle Red	09020311	3	w-1594w25-d	6/28/2014	814.4	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM					16.27	16.27			0.01	0.17		Apr 1 - Jun 1	159	49	25	NWNW, SWNW	48.56900004	-96.93304495		
Kitson	Middle Red	09020311	3	w-1594w36-a	6/27/2014	815.7	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM					20.84	20.84			0.04			Apr 1 - Jun 1	159	49	36	NENE	48.55676346	-96.91164587		
Kitson	Middle Red	09020311	3	w-1594w36-a	6/27/2014	815.7	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM					15.00	15.00			0.03			Apr 1 - Jun 1	159	49	36	NENE	48.55545269	-96.91134526		
Kitson	Middle Red	09020311	3	w-1594w31-f	6/28/2014	816.5	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM					164.22	164.22			0.44			Apr 1 - Jun 1	159	48	31	NWSE	48.54778261	-96.89953146		
Kitson	Middle Red	09020311	3	w-1594w31-e	6/28/2014	816.6	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM					127.39	127.39			0.23			Apr 1 - Jun 1	159	48	31	NWSE, SWSE	48.54679081	-96.89811106		
Marshall	Middle Red	09020311	3	w-1584w6-d	7/27/2016	817.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					29.71	29.71			0.06			Apr 1 - Jun 1	158	48	6	NENE	48.54214739	-96.89201217		
Marshall	Middle Red	09020311	3	w-1584w6-c	7/7/2015	817.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					10.82	10.82			0.02			Apr 1 - Jun 1	158	48	6	NENE	48.54212241	-96.89153398		
Marshall	Middle Red	09020311	3	w-1584w6-b	7/7/2015	817.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					31.96	31.96			0.07			Apr 1 - Jun 1	158	48	6	NENE	48.54210827	-96.89113369		
Marshall	Middle Red	09020311	3	w-1584w6-a	6/23/2014	817.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					9.52	9.52			0.01			Apr 1 - Jun 1	158	48	5	6	NENE, NWNW	48.54195716	-96.8896616	
Marshall	Middle Red	09020311	3	w-1584w5-c	6/23/2014	818.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					12.34	12.34			0.02			Apr 1 - Jun 1	158	48	5	NESE	48.5325479	-96.87905899		
Marshall	Middle Red	09020311	3	w-1584w5-b	6/23/2014	818.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					12.06	12.06			0.03			Apr 1 - Jun 1	158	48	5	NESE, NWSE	48.53240175	-96.87881295		
Marshall	Middle Red	09020311	3	w-1584w5-b	6/23/2014	818.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					42.31	42.31			0.07			Apr 1 - Jun 1	158	48	5	SWSE	48.5293387	-96.87431269		
Marshall	Middle Red	09020311	3	w-1584w6-b	6/28/2014	818.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					23.62	23.62			0.05			Apr 1 - Jun 1	158	48	8	NWNE	48.52867115	-96.8740231		
Marshall	Middle Red	09020311	3	w-1584w6-a	6/28/2014	818.8	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM					22.78	22.78			0.05			Apr 1 - Jun 1	158	48	8	SENE	48.52388486	-96.8672937		
Marshall	Middle Red	09020311	3	w-1584w9-c	6/29/2014	818.8	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM					0.00	0.00			0.00			Apr 1 - Jun 1	158	48	9	SWNW	48.52354266	-96.86759284		
Marshall	Middle Red	09020311	3	w-1584w9-b	6/29/2014	818.8	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM					72.63	72.63			0.15			Apr 1 - Jun 1	158	48	9	SWNW	48.52327028	-96.86697108		
Marshall	Middle Red	09020311	3	w-1584w9-a	6/29/2014	819.0	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM					23.13	23.13			0.11			Apr 1 - Jun 1	158	48	9	NWSE, SWNW	48.52154635	-96.86492607		
Marshall	Middle Red	09020311	3	w-1584w16-a	6/25/2014	819.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					25.66	25.66			0.05			Apr 1 - Jun 1	158	48	16	NWNE	48.51417472	-96.85523541		
Marshall	Middle Red	09020311	3	w-1584w15-b	6/25/2014	820.3	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM					20.66	20.66			0.06			Apr 1 - Jun 1	158	48	15	NWSE, SWNW	48.50685493	-96.84568724		
Marshall	Middle Red	09020311	3	w-1584w15-a	6/25/2014	820.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					16.71	16.71			0.04			Apr 1 - Jun 1	158	48	15	SESW	48.49987001	-96.83674872		
Marshall	Middle Red	09020311	3	w-1584w22-a	6/23/2014	821.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					30.70	30.70			0.05			Apr 1 - Jun 1	158	48	15	SESW	48.49239338	-96.83129338		

Attachment D-1

Line 3 Replacement Project

Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) #	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed #	Circular 39 #	Cowardin #	Bore Crossing Method Length (ft) b	HDD Crossing Method Length (ft) b	Push-Pull Crossing Method Length (ft) b	Standard Open Cut Crossing Method Length (ft) b	Total Crossing Length (ft) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Agency Designation	Construction Timing Restriction	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category #
Marshall	Snake	09020309	3	w-155n45w7-c	8/2/2014	844.1	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS					0.00	0.28	0.03		0.31		Apr 1 - Jun 1	155	45	7, 18	NENW, NWNW, SESW, SWSW	48.25417507	-96.49562928	
Marshall	Snake	09020309	3	w-155n45w18-b	8/4/2014	844.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				353.32	353.32	0.74		0.74		Apr 1 - Jun 1	155	45	18	NWSE	48.24531124	-96.48644762		
Marshall	Snake	09020309	3	w-155n45w18-c	8/4/2014	844.9	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM				20.10	20.10	0.05		0.05		Apr 1 - Jun 1	155	45	18	NWSE	48.24523752	-96.48444385		
Marshall	Snake	09020309	3	w-155n45w18-e	8/4/2014	845.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				22.93	22.93	0.05		0.05		Apr 1 - Jun 1	155	45	18	NESE	48.24480702	-96.47920742		
Marshall	Snake	09020309	3	w-155n45w17-a	8/4/2014	845.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	19.40			2,169.33	2,169.33	4.66		4.66		Apr 1 - Jun 1	155	45	17, 20	NENW, NWSW, SESW, SWSW	48.24131793	-96.47409255		
Marshall	Snake	09020309	3	w-155n45w17-a	8/4/2014	845.4	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	15.02			45.14	60.16	0.09		0.07	0.16		Apr 1 - Jun 1	155	45	17, 20	NENW, NWSW, SESW, SWSW	48.24131793	-96.47409255	
Marshall	Snake	09020309	3	w-155n45w20-a	8/6/2014	845.8	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM				134.84	134.84	0.27		0.27		Apr 1 - Jun 1	155	45	20	NENW	48.23860534	-96.4702785	Wetlands with Known Occurrences of MDNR State-Listed Species	
Marshall	Snake	09020309	3	w-155n45w20-a	8/6/2014	845.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM		44.19		692.50	736.68	1.38		1.38		Apr 1 - Jun 1	155	45	20	NENW	48.23860534	-96.4702785	Wetlands with Known Occurrences of MDNR State-Listed Species	
Marshall	Snake	09020309	3	w-155n45w20-a	8/6/2014	845.8	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS				0.00	0.29	0.00		0.29		Apr 1 - Jun 1	155	45	20	NENW	48.23860534	-96.4702785	Wetlands with Known Occurrences of MDNR State-Listed Species	
Marshall	Snake	09020309	3	w-155n45w20-b	8/7/2014	846.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				0.00	0.01	0.01		0.01		Apr 1 - Jun 1	155	45	20	NWNE	48.23609386	-96.46608291		
Marshall	Snake	09020309	3	w-155n45w20-d	8/22/2014	846.2	2A - Deep Marsh	Type 4 - Inland Deep Fresh Marsh	PEM				45.83	45.83	0.06		0.06		Apr 1 - Jun 1	155	45	20	SWNE	48.23442336	-96.46399379		
Marshall	Snake	09020309	3	w-155n45w20-f	8/22/2014	846.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				289.40	289.40	0.58		0.58		Apr 1 - Jun 1	155	45	20	SENE, SWNE	48.23277049	-96.46227707	Forested Seasonal Ponds	
Marshall	Snake	09020309	3	w-155n45w20-f	8/22/2014	846.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				0.04	0.04	0.04		0.04		Apr 1 - Jun 1	155	45	20	SENE, SWNE	48.23277049	-96.46227707	Forested Seasonal Ponds	
Marshall	Snake	09020309	3	w-155n45w20-g	8/22/2014	846.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				73.70	73.70	0.16		0.16		Apr 1 - Jun 1	155	45	20	NESE, SENE	48.23196941	-96.46038994		
Marshall	Snake	09020309	3	w-155n45w20-g	8/22/2014	846.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				0.00	0.01	0.01		0.01		Apr 1 - Jun 1	155	45	20	NESE, SENE	48.23196941	-96.46038994		
Marshall	Snake	09020309	3	w-155n45w20-aa	7/23/2020	846.5	2B - Shallow Marsh	Type 3 - Shallow Marshes	PEM	33.39			33.39	33.39	0.10		0.10		Apr 1 - Jun 1	155	45	20	NESE	48.23101993	-96.45956928		
Marshall	Snake	09020309	3	w-155n45w20-h	8/22/2014	846.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				18.94	18.94	0.15		0.15		Apr 1 - Jun 1	155	45	20	SESE	48.22705982	-96.45701475		
Marshall	Snake	09020309	3	w-155n45w20-h	8/22/2014	846.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				0.00	0.00	0.00		0.00		Apr 1 - Jun 1	155	45	20	SESE	48.22705982	-96.45701475		
Marshall	Snake	09020309	3	w-155n45w21-a	8/22/2014	847.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				20.61	20.61	0.05		0.05		Apr 1 - Jun 1	155	45	20	SESE	48.22507059	-96.45329554		
Marshall	Snake	09020309	3	w-155n45w28-a	8/25/2014	847.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				20.52	20.52	0.04		0.04		Apr 1 - Jun 1	155	45	28	NWNW	48.2249168	-96.45378584		
Marshall	Snake	09020309	3	w-155n45w28-b	8/25/2014	847.2	3B - Fresh (wet) Meadow	Type 1 - Seasonally Flooded Basin or Flat	PEM				105.96	105.96	0.17		0.17		Apr 1 - Jun 1	155	45	28	NENW, NWNW	48.22285861	-96.45020203		
Marshall	Snake	09020309	3	w-155n45w28-b	8/25/2014	847.2	7 - Floodplain Forest	Type 1 - Seasonally Flooded Basin or Flat	PFO				0.00	0.10	0.10		0.10	0.00		Apr 1 - Jun 1	155	45	28	NENW, NWNW	48.22285861	-96.45020203	
Marshall	Snake	09020309	3	w-155n45w28-c	8/25/2014	847.4	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM				15.41	15.41	0.04		0.04		Apr 1 - Jun 1	155	45	28	SENE	48.22086348	-96.44779922		
Marshall	Snake	09020309	3	w-155n45w28-c	9/18/2014	847.7	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM				0.00	0.07	0.07		0.07		Apr 1 - Jun 1	155	45	28	NWSE	48.21744918	-96.44286504		
Marshall	Snake	09020309	3	w-155n45w28-h	9/18/2014	848.0	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM				0.00	0.00	0.03		0.03		Apr 1 - Jun 1	155	45	28	SESE	48.21339981	-96.43911329		
Marshall	Snake	09020309	3	w-155n45w28-h	9/18/2014	848.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				260.03	260.03	0.53		0.53		Apr 1 - Jun 1	155	45	28	SESE	48.21339981	-96.43911329		
Marshall	Snake	09020309	3	w-155n45w33-a	9/23/2014	848.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				0.00	0.00	0.00		0.00		Apr 1 - Jun 1	155	45	33	NENE	48.2099418	-96.4343543		
Marshall	Snake	09020309	3	w-155n45w33-a	9/23/2014	848.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				4.69	4.69	0.01		0.01		Apr 1 - Jun 1	155	45	34	NWNW	48.20981357	-96.43412395		
Marshall	Snake	09020309	3	w-155n45w34-b	9/23/2014	848.4	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM				0.00	0.01	0.01		0.01		Apr 1 - Jun 1	155	45	34	NWNW	48.20961838	-96.43329533		
Marshall	Snake	09020309	3	w-155n45w34-c	9/23/2014	848.8	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM				45.57	45.57	0.08		0.08		Apr 1 - Jun 1	155	45	34	SENE	48.20635313	-96.42768659		
Marshall	Snake	09020309	3	w-155n45w34-e	9/23/2014	849.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				15.03	15.03	0.07		0.07		Apr 1 - Jun 1	155	45	34	SENE	48.20459415	-96.42536877		
Marshall	Snake	09020309	3	w-155n45w34-g	9/23/2014	849.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				12.85	12.85	0.03		0.03		Apr 1 - Jun 1	155	45	34	SENE	48.20369491	-96.42466641		
Marshall	Snake	09020309	3	w-155n45w34-g	9/24/2014	849.3	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM				207.62	207.62	0.23		0.23		Apr 1 - Jun 1	155	45	34	NWSE	48.20157704	-96.42037171		
Marshall	Snake	09020309	3	w-155n45w34-i	9/24/2014	849.5	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM				0.00	0.06	0.06		0.06		Apr 1 - Jun 1	155	45	34	SESE, SWSE	48.19972306	-96.41834531		
Marshall	Snake	09020309	3	w-155n45w34-k	9/24/2014	849.6	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM				0.00	0.06	0.06		0.06		Apr 1 - Jun 1	155	45	34	SESE	48.19799802	-96.41528684		
Marshall	Snake	09020309	3	w-155n45w34-m	9/24/2014	849.8	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM				23.13	23.13	0.04		0.04		Apr 1 - Jun 1	155	45	34	SESE	48.19673629	-96.41353227		
Marshall	Snake	09020309	3	w-155n45w34-m	9/24/2014	849.8	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM			12.85	60.04	72.89	0.20		0.20		Apr 1 - Jun 1	155	45	34	SENE	48.19573153	-96.41353227		
Marshall	Snake	09020309	3	w-154n45w3-c	9/24/2014	849.8	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM				0.00	0.00	0.00		0.00		Apr 1 - Jun 1	154	45	3	NENE	48.19544244	-96.41335108		
Marshall	Snake	09020309	3	w-155n45w35-a	9/24/2014	849.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				0.00	0.01	0.01		0.01		Apr 1 - Jun 1	155	45	35	SWSW	48.19660121	-96.41306492		
Marshall	Snake	09020309	3	w-154n45w2-a	9/24/2014	849.8	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM				15.33	15.33	0.05		0.05		Apr 1 - Jun 1	154	45	2	NWNW	48.19629022	-96.41280701		
Marshall	Snake	09020309	3	w-154n45w2-a	9/24/2014	849.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				233.03	263.13	0.50		0.50		Apr 1 - Jun 1	154	45	2	NWNW	48.19629022	-96.41280701		
Marshall	Grand Marais-Red	09020306	3	w-154n45w2-c	9/25/2014	850.4	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM				0.00	0.17	0.17		0.17		Apr 1 - Jun 1	154	45	2	SENE	48.19425814	-96.40379104		
Marshall	Grand Marais-Red	09020306	3	w-154n45w2-e	9/25/2014	850.8	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM				29.42	29.42	0.85		0.85		Apr 1 - Jun 1	154	45	2	NWSE, SWSE	48.18617614	-96.39904819		
Marshall	Grand Marais-Red	09020306	3	w-154n45																							

Attachment D-1

Line 3 Replacement Project

Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed *	Circular 39 *	Cowardin *	Bore Crossing Method Length (ft) b	HDD Crossing Method Length (ft) b	Push-Pull Crossing Method Length (ft) b	Standard Open Cut Crossing Method Length (ft) b	Total Crossing Length (ft) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Agency Designation	Construction Timing Restriction	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category *
Pennington	Red Lake	09020303	3	w-153n44w11-b	7/8/2015	859.5	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	38.73				38.73	0.08			0.08		Apr 1 - Jun 1	153	44	11	NWNE	48.09267265	-96.27260817	
Pennington	Red Lake	09020303	3	w-153n44w11-b	7/8/2015	859.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	31.12				111.94	143.06	0.25		0.25		Apr 1 - Jun 1	153	44	11	NWNE	48.09267265	-96.27260817	
Pennington	Red Lake	09020303	3	w-153n44w11-b	7/9/2015	859.5	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS					148.04	148.04	0.13	0.12	0.25		Apr 1 - Jun 1	153	44	11	NWNE	48.09267265	-96.27260817	
Pennington	Red Lake	09020303	3	w-153n44w11-c	7/8/2015	859.7	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM					0.00	0.05	0.05		0.05		Apr 1 - Jun 1	153	44	11	NWNE	48.09027836	-96.26926019	
Pennington	Red Lake	09020303	3	w-153n44w11-c	7/8/2015	859.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					666.85	666.85	1.23		1.23		Apr 1 - Jun 1	153	44	11	NWNE	48.09027836	-96.26926019	
Pennington	Red Lake	09020303	3	w-153n44w11-c	7/8/2015	859.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO					0.02		0.00		0.02		Apr 1 - Jun 1	153	44	11	NWNE	48.09027836	-96.26926019	Forested Seasonal Ponds
Pennington	Red Lake	09020303	3	w-153n44w11-c	7/8/2015	859.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO					27.10	27.10	0.18		0.18		Apr 1 - Jun 1	153	44	11	NWNE	48.09027836	-96.26926019	Forested Seasonal Ponds
Pennington	Red Lake	09020303	3	w-153n44w11-d	9/30/2014	859.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					64.81	64.81	0.26		0.26		Apr 1 - Jun 1	153	44	11	SENE	48.08858338	-96.26647157	
Pennington	Red Lake	09020303	3	w-153n44w11-e	9/30/2014	859.9	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS					0.00	0.01	0.01		0.01		Apr 1 - Jun 1	153	44	11	SENE	48.08812191	-96.26619643	
Pennington	Red Lake	09020303	3	w-153n44w12-b	9/30/2014	860.6	1 - Shallow, Open Water	Type 5 - Inland Open Fresh Water	PUB					139.84	139.84	0.29		0.29		Apr 1 - Jun 1	153	44	12	SESW	48.08074137	-96.25605055	
Pennington	Red Lake	09020303	3	w-153n44w12-b	9/30/2014	860.6	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM					36.68	36.68	0.12		0.12		Apr 1 - Jun 1	153	44	12	SESW	48.08074137	-96.25605055	
Pennington	Red Lake	09020303	3	w-153n44w12-c	9/30/2014	860.8	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM		22.96				22.96	0.05		0.05		Apr 1 - Jun 1	153	44	12	SESW	48.07872262	-96.25335379	
Pennington	Red Lake	09020303	3	w-153n44w13-a	9/30/2014	860.8	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM		29.38				29.38	0.06		0.06		Apr 1 - Jun 1	153	44	13	NENW	48.07844448	-96.25328361	
Pennington	Red Lake	09020303	3	w-153n44w13-b	10/1/2014	861.5	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM					49.77	49.77	0.11		0.11		Apr 1 - Jun 1	153	44	13	NESE	48.07108712	-96.24492119	
Pennington	Red Lake	09020303	3	w-153n44w13-c	10/1/2014	861.7	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM					22.92	22.92	0.06		0.06		Apr 1 - Jun 1	153	44	13	NESE	48.06818852	-96.24164576	
Pennington	Red Lake	09020303	3	w-153n43w29-a	9/23/2014	863.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					34.53	34.53	0.08		0.08		Apr 1 - Jun 1	153	43	29	NWNV	48.04868859	-96.21688599	
Pennington	Red Lake	09020303	3	w-153n43w29-c	9/23/2014	863.7	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM					0.00	0.01	0.01		0.01		Apr 1 - Jun 1	153	43	29	NENW	48.04624239	-96.21379729	
Pennington	Red Lake	09020303	3	w-153n43w29-b	9/23/2014	863.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					10.13	10.13	0.02		0.02		Apr 1 - Jun 1	153	43	29	NENW, SENW	48.0458924	-96.21374702	
Pennington	Red Lake	09020303	3	w-153n43w29-d	9/24/2014	863.8	3C - Wet to Wet-Mesic Prairie	Type 2 - Inland Fresh Meadow	PEM					18.87	18.87	0.04		0.04		Apr 1 - Jun 1	153	43	29	SENV	48.04566425	-96.21325577	
Pennington	Red Lake	09020303	3	w-153n43w29-e	7/8/2015	864.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					23.90	23.90	0.03		0.03		Apr 1 - Jun 1	153	43	29	NESE, SENW	48.04245477	-96.20946004	
Pennington	Red Lake	09020303	3	w-153n43w29-f	9/24/2014	864.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					79.75	79.75	0.12		0.12		Apr 1 - Jun 1	153	43	29	NWSE	48.04128068	-96.20810375	Wetlands Hydrologically Connected to Wild Rice Waters
Pennington	Red Lake	09020303	3	w-153n43w29-g	9/24/2014	864.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					148.48	148.48	0.29		0.29		Apr 1 - Jun 1	153	43	29	NWSE	48.04086036	-96.20788031	Wetlands Hydrologically Connected to Wild Rice Waters
Pennington	Red Lake	09020303	3	w-153n43w29-h	9/25/2014	864.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO		82.55				82.55		0.06	0.06		Apr 1 - Jun 1	153	43	29	SWSE	48.03891458	-96.20508997	Forested Seasonal Ponds, Wetlands Hydrologically Connected to Wild Rice Waters
Pennington	Red Lake	09020303	3	w-153n43w29-i	9/25/2014	864.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO		14.11				14.11		0.01	0.01		Apr 1 - Jun 1	153	43	29	SWSE	48.038612	-96.20464708	Forested Seasonal Ponds, Wetlands Hydrologically Connected to Wild Rice Waters
Pennington	Red Lake	09020303	3	w-153n43w29-j	9/25/2014	864.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO		43.22				43.22		0.03	0.03		Apr 1 - Jun 1	153	43	29	SWSE	48.038612	-96.20464708	Forested Seasonal Ponds, Wetlands Hydrologically Connected to Wild Rice Waters
Pennington	Red Lake	09020303	3	w-153n43w29-k	9/25/2014	864.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO		44.66				44.66		0.03	0.03		Apr 1 - Jun 1	153	43	29	SWSE	48.03893441	-96.20433465	Forested Seasonal Ponds, Wetlands Hydrologically Connected to Wild Rice Waters
Pennington	Red Lake	09020303	3	w-153n43w29-l	9/25/2014	864.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO		50.14				50.14		0.03	0.03		Apr 1 - Jun 1	153	43	29	SWSE	48.03796391	-96.20372733	Forested Seasonal Ponds, Wetlands Hydrologically Connected to Wild Rice Waters
Pennington	Red Lake	09020303	3	w-153n43w29-m	9/25/2014	864.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO		0.63				0.63		0.01	0.01		Apr 1 - Jun 1	153	43	29	SESE	48.03748201	-96.20288899	Forested Seasonal Ponds, Wetlands Hydrologically Connected to Wild Rice Waters
Pennington	Red Lake	09020303	3	w-153n43w29-n	9/25/2014	864.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO		89.36				89.36		0.06	0.06		Apr 1 - Jun 1	153	43	29	SESE	48.03640234	-96.20154818	Forested Seasonal Ponds, Wetlands Hydrologically Connected to Wild Rice Waters
Pennington	Red Lake	09020303	3	w-153n43w32-aa	8/7/2018	864.7	7 - Floodplain Forest	Type 1 - Seasonally Flooded Basin or Flat	PFO					0.00	0.03			0.03		Apr 1 - Jun 1	153	43	32	NE	48.03471442	-96.20088042	Forested Seasonal Ponds, Wetlands Hydrologically Connected to Wild Rice Waters
Pennington	Red Lake	09020303	3	w-153n43w32-ab	8/7/2018	864.7	7 - Floodplain Forest	Type 1 - Seasonally Flooded Basin or Flat	PFO					0.00	0.10			0.10		Apr 1 - Jun 1	153	43	32	NENE	48.03471442	-96.20088042	Wetlands Hydrologically Connected to Wild Rice Waters
Pennington	Red Lake	09020303	3	w-153n43w33-a	9/26/2014	865.6	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM					0.00	0.05			0.05		Apr 1 - Jun 1	153	43	33	NENE	48.02637334	-96.18646333	
Pennington	Red Lake	09020303	3	w-153n43w33-b	9/26/2014	865.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					153.44	153.44	0.33		0.33		Apr 1 - Jun 1	153	43	33	NWSE, SWSE	48.02539241	-96.18529165	
Pennington	Red Lake	09020303	3	w-153n43w33-c	9/26/2014	865.8	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM					0.00	0.06			0.06		Apr 1 - Jun 1	153	43	33	NWSE, SWSE	48.02401216	-96.18308914	
Pennington	Red Lake	09020303	3	w-153n43w33-d	9/26/2014	865.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					14.11	14.11	0.03		0.03		Apr 1 - Jun 1	153	43	33	SESE	48.02354511	-96.18043342	
Pennington	Red Lake	09020303	3	w-152n43w5-b	9/26/2014	866.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					10.87	10.87	0.02		0.02		Apr 1 - Jun 1	152	43	5	NENE	48.02027378	-96.18032332	
Pennington	Red Lake	09020303	3	w-152n43w5-a	9/26/2014	866.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					14.51	14.51	0.03		0.03		Apr 1 - Jun 1	152	43	5	NENE	48.01949235	-96.17947261	
Pennington	Red Lake	09020303	3	w-152n43w4-a	9/26/2014	866.2	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM					23.25	23.25	0.12		0.12	Public Water	Apr 1 - Jun 1	152	43	4	NWNV	48.01886203	-96.17851316	
Pennington	Red Lake	09020303	3	w-152n43w4-b	9/27/2014	866.4	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM					20.38	20.38	0.04		0.04		Apr 1 - Jun 1	152	43	4	NWNV, SWNV	48.01705076	-96.17599153	
Pennington	Red Lake	09020303	3	w-152n43w4-c	9/27/2014	866.5	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM					77.04	77.04	0.26		0.26		Apr 1 - Jun 1	152	43	4	SENV, SWNV	48.01585058	-96.17412199	
Pennington	Red Lake	09020303	3	w-152n43w4-d	9/27/2014	866.6	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM					0.00	0.15			0.15		Apr 1 - Jun 1	152	43	4	SENV	48.01502313	-96.17273606	
Pennington	Red Lake	09020303	3	w-152n43w4-f	9/27/2014	866.8	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM					170.48	170.48	0.25		0.25		Apr 1 - Jun 1	152	43	4	NESE	48.01312697	-96.17004518	
Pennington	Red Lake	09020303	3	w-152n43w4-g</																							

Attachment D-1 Line 3 Replacement Project Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Mitigation	Eggers & Reed *	Circular 39 *	Cowardin *	Bore Crossing Method Length (ft) b	HDD Crossing Method Length (ft) b	Push-Pull Crossing Method Length (ft) b	Standard Open Cut Crossing Method Length (ft) b	Total Crossing Length (ft) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Agency Designation	Construction Timing Restriction	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category *
Red Lake	Clearwater	09020305	3	w-151n4w24-j	10/14/2014	879.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	300.20			300.20	300.20	0.68			0.68		Apr 1 - Jun 1	151	42	24	NESE, NWSE	47.88201621	-95.97727513	
Red Lake	Clearwater	09020305	3	w-151n4w24-k	10/14/2014	879.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	274.42			274.42	274.42	0.04			0.04		Apr 1 - Jun 1	151	42	24	NWSE	47.88173365	-95.97815346	
Red Lake	Clearwater	09020305	3	w-151n4w24-l	10/14/2014	879.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	258.92			258.92	258.92	0.47			0.47		Apr 1 - Jun 1	151	42	24	NESE, NWSE	47.88058164	-95.97250336	
Red Lake	Clearwater	09020305	3	w-151n4w24-o	10/14/2014	879.9	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.00			0.00	0.00	0.03			0.03		Apr 1 - Jun 1	151	42	24	NESE, NWSE	47.88058164	-95.97250336	
Red Lake	Clearwater	09020305	3	w-151n4w19-a	10/15/2014	880.2	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	21.72			21.72	21.72	0.05			0.05		Apr 1 - Jun 1	151	41	19	SWSW	47.87854865	-95.96649431	
Red Lake	Clearwater	09020305	3	w-151n4w19-d	10/16/2014	880.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.00			0.00	0.00	0.12			0.12		Apr 1 - Jun 1	151	41	19	SWSW	47.87854865	-95.96649431	
Red Lake	Clearwater	09020305	3	w-151n4w19-f	10/16/2014	880.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.00			0.00	0.00	0.09			0.09		Apr 1 - Jun 1	151	41	19	SESW, SWSW	47.87721764	-95.96172922	
Red Lake	Clearwater	09020305	3	w-151n4w19-b	10/15/2014	880.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	15.44			15.44	15.44	0.05			0.05		Apr 1 - Jun 1	151	41	19	SESW, SWSW	47.87685811	-95.96132155	
Red Lake	Clearwater	09020305	3	w-151n4w29-a	10/17/2014	881.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	8.02			8.02	8.02	0.02			0.02		Apr 1 - Jun 1	151	41	29	SWNW	47.87174777	-95.94550743	
Red Lake	Clearwater	09020305	3	w-151n4w29-c	10/17/2014	881.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	10.75			10.75	10.75	0.01			0.01		Apr 1 - Jun 1	151	41	29	SWNW	47.87159456	-95.94526393	
Red Lake	Clearwater	09020305	3	w-151n4w29-b	10/16/2014	882.5	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	272.42			272.42	272.42	0.65			0.65		Apr 1 - Jun 1	151	41	29	SWSW	47.86939399	-95.92277454	
Red Lake	Clearwater	09020305	3	w-151n4w34-f	10/14/2014	883.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	11.68			11.68	11.68	0.02			0.02		Apr 1 - Jun 1	151	41	34	SWNW	47.85775822	-95.90191666	
Red Lake	Clearwater	09020305	3	w-151n4w34-e	10/14/2014	883.8	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	270.35			270.35	270.35	0.75			0.75		Apr 1 - Jun 1	151	41	34	SWNW	47.85623899	-95.89732573	
Red Lake	Clearwater	09020305	3	w-151n4w34-d	10/14/2014	884.0	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.00			0.00	0.00	0.17		0.00	0.17		Apr 1 - Jun 1	151	41	34	NESE, SENW	47.85519147	-95.89321142	
Red Lake	Clearwater	09020305	3	w-151n4w34-g	10/14/2014	884.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.00			0.00	0.00	0.01			0.01		Apr 1 - Jun 1	151	41	34	NESE, SENW	47.85519147	-95.89321142	
Red Lake	Clearwater	09020305	3	w-151n4w34-h	10/14/2014	884.0	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	229.56			229.56	229.56	0.41			0.41		Apr 1 - Jun 1	151	41	34	NESE, SENW	47.85519147	-95.89321142	
Red Lake	Clearwater	09020305	3	w-151n4w34-c	10/14/2014	884.2	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	74.19			74.19	74.19	0.21			0.21		Apr 1 - Jun 1	151	41	34	NWSE	47.85377449	-95.88976899	
Red Lake	Clearwater	09020305	3	w-151n4w34-b	10/14/2014	884.3	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	0.00			0.00	0.00	0.02			0.02		Apr 1 - Jun 1	151	41	34	NWSE	47.85303489	-95.88779723	
Red Lake	Clearwater	09020305	3	w-151n4w34-a	10/14/2014	884.3	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	21.63			21.63	21.63	0.31			0.31		Apr 1 - Jun 1	151	41	34	NWSE	47.85269299	-95.88640699	
Red Lake	Clearwater	09020305	3	w-151n4w35-b	10/14/2014	884.8	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	562.54			562.54	562.54	0.90			0.90		Apr 1 - Jun 1	151	41	35	SWSW	47.8481428	-95.8733918	
Red Lake	Clearwater	09020305	3	w-151n4w35-a	10/13/2014	885.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	15.98			15.98	15.98	0.03			0.03		Apr 1 - Jun 1	151	41	35	SESW	47.84812485	-95.87231429	
Red Lake	Clearwater	09020305	3	w-150n4w2-c	10/13/2014	885.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	17.73			17.73	17.73	0.04			0.04		Apr 1 - Jun 1	150	41	2	NENW	47.84797436	-95.87186092	
Red Lake	Clearwater	09020305	3	w-150n4w2-b	10/13/2014	885.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	13.21			13.21	13.21	0.03			0.03		Apr 1 - Jun 1	150	41	2	NENE	47.84599073	-95.86149651	Wetlands Hydrologically Connected to Wild Rice Waters
Red Lake	Clearwater	09020305	3	w-150n4w2-a	10/13/2014	885.5	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	24.72			24.72	24.72	0.10			0.10		Apr 1 - Jun 1	150	41	2	NENE	47.84599073	-95.86149651	Wetlands Hydrologically Connected to Wild Rice Waters
Red Lake	Clearwater	09020305	3	w-150n4w2-1	10/13/2014	885.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	18.73			18.73	18.73	0.04	18.73		0.04		Apr 1 - Jun 1	150	41	2	NENE	47.84566938	-95.8588177	Wetlands Hydrologically Connected to Wild Rice Waters
Red Lake	Clearwater	09020305	3	w-150n4w1-f	10/2/2014	885.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	15.41			15.41	15.41	0.05			0.05		Apr 1 - Jun 1	150	41	1	NWNW	47.84514723	-95.8555476	Wetlands Hydrologically Connected to Wild Rice Waters
Red Lake	Clearwater	09020305	3	w-150n4w1-e	10/2/2014	886.0	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.00			0.00	0.00	0.01			0.01		Apr 1 - Jun 1	150	41	1	SWNW	47.84243131	-95.85321835	Wetlands Hydrologically Connected to Wild Rice Waters
Red Lake	Clearwater	09020305	3	w-150n4w1-d	9/7/2019	886.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	202.15			202.15	202.15	0.53			0.53		Apr 1 - Jun 1	150	41	1	SENW	47.84299361	-95.85110717	Wetlands Hydrologically Connected to Wild Rice Waters
Red Lake	Clearwater	09020305	3	w-150n4w1-b	9/7/2019	886.1	3B - Fresh (wet) Meadow	Type 2 - Wet Meadow	PEM	0.00			0.00	0.00	0.03			0.03		Apr 1 - Jun 1	150	41	1	SENW	47.84299361	-95.85110717	Wetlands Hydrologically Connected to Wild Rice Waters
Red Lake	Clearwater	09020305	3	w-150n4w1-a	9/7/2019	886.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.00			0.00	0.00	0.00			0.00		Apr 1 - Jun 1	150	41	1	SENW	47.84299361	-95.85110717	Wetlands Hydrologically Connected to Wild Rice Waters
Polk	Clearwater	09020305	3	w-150n4w6-a	10/3/2014	889.0	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	26.06			26.06	26.06	0.10			0.10		Apr 1 - Jun 1	150	40	8	NESE	47.82319004	-95.7945899	
Polk	Clearwater	09020305	3	w-150n4w6-b	10/3/2014	890.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	163.09			163.09	163.09	0.28			0.28		Apr 1 - Jun 1	150	40	16	NENE	47.81594739	-95.77420822	
Polk	Clearwater	09020305	3	w-150n4w2-3-b	10/4/2014	892.0	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	0.04			0.04	0.04	0.04			0.04		Apr 1 - Jun 1	150	40	14, 23	NWNE, SESE, SWSE	47.80469978	-95.74010874	
Polk	Clearwater	09020305	3	w-150n4w2-3-a	10/4/2014	892.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	1,168.31			1,168.31	1,168.31	2.45			2.45		Apr 1 - Jun 1	150	40	14, 23	NWNE, SESE, SWSE	47.80469978	-95.74010874	
Polk	Clearwater	09020305	3	w-150n4w2-3	10/4/2014	892.0	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.00			0.00	0.00	0.02			0.02		Apr 1 - Jun 1	150	40	14, 23	NWNE, SESE, SWSE	47.80469978	-95.74010874	
Polk	Clearwater	09020305	3	w-150n4w2-2-a	10/4/2014	892.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	235.79			235.79	235.79	0.54			0.54		Apr 1 - Jun 1	150	40	23	NENE	47.80297395	-95.73487259	
Polk	Clearwater	09020305	3	w-150n4w2-2	10/4/2014	892.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.00			0.00	0.00	0.00			0.00		Apr 1 - Jun 1	150	40	23	NENE	47.80297395	-95.73487259	
Polk	Clearwater	09020305	3	w-150n4w2-1-b	10/4/2014	892.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	17.76			17.76	17.76	0.03			0.03		Apr 1 - Jun 1	150	40	24	NWNE	47.8017688	-95.73041013	
Polk	Clearwater	09020305	3	w-150n4w2-1-a	10/3/2014	892.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.00			0.00	0.00	0.11			0.11		Apr 1 - Jun 1	150	40	24	NWNE	47.80225775	-95.72551559	
Polk	Clearwater	09020305	3	w-150n4w2-1	10/6/2014	892.9	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	86.82			86.82	86.82	0.18		0.09	0.27		Apr 1 - Jun 1	150	40	24	NWNE	47.80357123	-95.71803609	
Polk	Clearwater	09020305	3	w-150n4w2-g	10/6/2014	893.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	12.29			12.29	12.29	0.11			0.11		Apr 1 - Jun 1	150	40	24	NWNE	47.80399217	-95.71554255	
Polk	Clearwater	09020305	3	w-150n4w2-f	10/6/2014	893.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	852.83			852.83	852.83	1.83			1.83									

Attachment D-1

Line 3 Replacement Project

Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Mitigation	Eggers & Reed *	Circular 39 *	Cowardin *	Bore Crossing Method Length (ft) b	HDD Crossing Method Length (ft) b	Push-Pull Crossing Method Length (ft) b	Standard Open Cut Crossing Method Length (ft) b	Total Crossing Length (ft) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Agency Designation	Construction Timing Restriction	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category *
Clearwater	Clearwater	09020305	3	CL013 2001W	6/4/2014	905.5	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM				327.73	327.73	0.72			0.72	149	38	23	SENW			47.1096651	-95.4860911	
Clearwater	Clearwater	09020305	3	CL013 2001W	6/4/2014	905.5	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS				179.66	179.66	0.22		0.13	0.35	149	38	23	SENW			47.1096651	-95.4860911	
Clearwater	Clearwater	09020305	3	w-149n3w23-b	10/17/2014	905.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM						0.05			0.05	149	38	23	NWSE			47.7047618	-95.4819473	
Clearwater	Clearwater	09020305	3	w-149n3w23-c	10/17/2014	905.8	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM						0.08			0.08	149	38	23	NWSE			47.70861955	-95.4804288	
Clearwater	Clearwater	09020305	3	w-149n3w23-c	10/17/2014	905.8	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM				168.47	168.47	0.34			0.34	149	38	23	NWSE			47.70861955	-95.4804288	
Clearwater	Clearwater	09020305	3	w-149n3w23-a	10/16/2014	905.9	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM				103.75	103.75	0.22			0.22	149	38	23	NESE			47.70760184	-95.4778999	
Clearwater	Clearwater	09020305	3	w-149n3w23-a	10/16/2014	905.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO						0.02			0.02	149	38	23	NESE			47.70760184	-95.4778999	Forested Seasonal Ponds
Clearwater	Clearwater	09020305	3	CL016a1W	7/1/2016	906.3	1 - Shallow, Open Water	Type 5 - Inland Open Fresh Water	PUB				463.59	463.59	1.43			1.43	149	38	23, 24, 25	NENW, NESE, NWSE, SESE, SESW, SWSE, SWSW			47.70491394	-95.47314972	
Clearwater	Clearwater	09020305	3	CL016a1W	7/1/2016	906.3	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM				2,500.90	2,500.90	4.73			4.73	149	38	23, 24, 25	NENW, NESE, NWSE, SESE, SESW, SWSE, SWSW			47.70491394	-95.47314972	
Clearwater	Clearwater	09020305	3	CL016a1W	7/1/2016	906.3	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM				573.11	573.11	0.94			0.94	149	38	23, 24, 25	NENW, NESE, NWSE, SESE, SESW, SWSE, SWSW			47.70491394	-95.47314972	
Clearwater	Clearwater	09020305	3	CL016a1W	7/1/2016	906.3	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS						0.00		0.01	0.27	149	38	23, 24, 25	NENW, NESE, NWSE, SESE, SESW, SWSE, SWSW			47.70491394	-95.47314972	
Clearwater	Clearwater	09020305	3	CL016a1W	7/1/2016	906.3	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO						0.00		0.00	0.36	149	38	23, 24, 25	NENW, NESE, NWSE, SESE, SESW, SWSE, SWSW			47.70491394	-95.47314972	
Clearwater	Clearwater	09020305	3	CL018a1W	10/16/2014	907.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				11.29	11.29	0.07			0.07	149	38	25	SENE			47.69885203	-95.45645246	
Clearwater	Clearwater	09020305	3	CL018b1W	10/15/2014	907.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				236.05	236.05	0.95			0.95	149	37	30	NESE, NWSE, SWSW			47.69524976	-95.4485382	
Clearwater	Clearwater	09020305	3	CL019a1W	10/15/2014	907.7	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM						0.02			0.02	149	37	30	NESE, NWSE, SWSW			47.69524976	-95.4485382	
Clearwater	Clearwater	09020305	3	w-149n3w29-b	6/2/2015	908.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	6.91					6.91		0.01	0.01	149	37	29	SWSW			47.68949663	-95.4307481	
Clearwater	Clearwater	09020305	3	CL024 200a1W	6/25/2020	909.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM						0.00		0.00	0.00	149	37	28, 29	NESE, NWSE, SWSW			47.69284723	-95.40925831	
Clearwater	Clearwater	09020305	3	CL024 200a1W	6/25/2020	909.4	3B - Fresh (wet) Meadow	Type 2 - Wet meadows	PEM						0.00		0.45	0.45	149	37	28, 29	NESE, NWSE, SWSW			47.69284723	-95.40925831	
Clearwater	Clearwater	09020305	3	CL024 200a1W	6/25/2020	909.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO						0.00		0.03	0.03	149	37	28, 29	NESE, NWSE, SWSW			47.69194867	-95.40920901	
Clearwater	Clearwater	09020305	3	w-149n3w29-bb	6/24/2020	909.4	2B - Shallow Marsh	Type 3 - Shallow Marshes	PEM						0.00		0.01	0.01	149	37	29	SENE			47.69153447	-95.40932445	
Clearwater	Clearwater	09020305	3	w-149n3w29-c	6/25/2020	909.4	3B - Fresh (wet) Meadow	Type 2 - Wet meadows	PEM						0.00		1.88	1.88	149	37	29	NESE			47.69271351	-95.41010411	
Clearwater	Clearwater	09020305	3	w-149n3w29-c	6/24/2020	909.4	3B - Fresh (wet) Meadow	Type 2 - Wet meadows	PEM						0.00		0.00	0.00	149	37	29	SESE			47.69154106	-95.40949073	
Clearwater	Clearwater	09020305	3	w-149n3w29-cp	6/25/2020	909.4	3B - Fresh (wet) Meadow	Type 2 - Wet meadows	PEM						0.00		0.02	0.02	149	37	28, 29	NESE, NWSE, SWSW			47.69171467	-95.40913692	
Clearwater	Clearwater	09020305	3	CL024 200b1W	6/25/2020	909.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM						0.04			0.04	149	37	29	NESE			47.69328257	-95.41197149	
Clearwater	Clearwater	09020305	3	CL024 200b1W	6/25/2020	909.4	3B - Fresh (wet) Meadow	Type 2 - Wet meadows	PEM						0.00		0.14	0.14	149	37	29	NESE			47.69328257	-95.41197149	
Clearwater	Clearwater	09020305	3	CL024 200b1W	6/25/2020	909.4	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS						0.00		0.01	0.01	149	37	29	NESE			47.69328257	-95.41197149	
Clearwater	Clearwater	09020305	3	w-149n3w29-ch	6/24/2020	909.4	3B - Fresh (wet) Meadow	Type 2 - Wet meadows	PEM						0.00		0.01	0.01	149	37	29	NESE			47.69285206	-95.41159556	
Clearwater	Clearwater	09020305	3	w-149n3w29-a	6/25/2020	909.7	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM				1,046.07	1,046.07	1.81			1.81	149	37	29	NESE, NWSE, SESW, SWSE			47.6905486	-95.41690832	
Clearwater	Clearwater	09020305	3	w-149n3w29-a	6/25/2020	909.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				1,209.94	1,209.94	2.19			2.19	149	37	29	NESE, NWSE, SESW, SWSE			47.6905486	-95.41690832	
Clearwater	Clearwater	09020305	3	w-149n3w29-a	6/25/2020	909.7	3B - Fresh (wet) Meadow	Type 2 - Wet meadows	PEM						0.00		0.53	0.53	149	37	29	NESE, NWSE, SESW, SWSE			47.6905486	-95.41690832	
Clearwater	Clearwater	09020305	3	w-149n3w29-a	6/25/2020	909.7	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS				11.59	11.59	0.14		0.03	0.16	149	37	29	NESE, NWSE, SESW, SWSE			47.6905486	-95.41690832	
Clearwater	Clearwater	09020305	3	w-149n3w29-a	6/25/2020	909.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO						0.00		0.00	0.00	149	37	29	NESE, NWSE, SESW, SWSE			47.6905486	-95.41690832	Forested Seasonal Ponds
Clearwater	Clearwater	09020305	3	w-149n3w29-a	6/25/2020	909.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				261.61	261.61	0.26		0.17	0.43	149	37	29	NESE, NWSE, SESW, SWSE			47.6905486	-95.41690832	
Clearwater	Clearwater	09020305	3	CL021a1W	10/6/2014	910.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	20.29					0.05		0.05	0.05	149	37	29	SWSW			47.68836226	-95.42785965	
Clearwater	Clearwater	09020305	3	w-149n3w32-f	10/13/2015	910.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	43.43			233.71	277.13	0.65		0.65	0.65	149	37	32	NWNW			47.68740016	-95.42780659	
Clearwater	Clearwater	09020305	3	CL021 300b1W	10/13/2015	910.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				161.90	161.90	0.35			0.35	149	37	32	SENE, SWSW			47.68170489	-95.42536687	
Clearwater	Clearwater	09020305	3	CL021 310a1W	9/5/2013	911.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM						0.00		0.11	0.11	149	37	32	SENE			47.68109601	-95.4212303	
Clearwater	Clearwater	09020305	3	CL021 310a1W	9/5/2013	911.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				31.04	31.04	0.02		0.03	0.05	149	37	32	SENE			47.68109601	-95.4212303	
Clearwater	Clearwater	09020305	3	CL021 310c1W	9/5/2013	911.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				883.40	883.40	0.90		1.02	1.92	149	37	32	SENE, SWSW			47.68113564	-95.4132144	
Clearwater	Clearwater	09020305	3	CLC5020 300a1W	5/23/2014	911.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO						0.00		0.00	0.00	149	37	32	NESE			47.67947404	-95.41133414	Forested Seasonal Ponds
Clearwater	Clearwater	09020305	3	CLC5020 300a1W	5/23/2014	911.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				27.32	27.32	0.06			0.06	149	37	32	NESE			47.6785761	-95.4119223	
Clearwater	Clearwater	09020305	3	CLC5020 300a1W	5/23/2014	911.7	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS				61.09	61.09	0.07		0.05	0.12	149	37	32	NESE			47.6785761	-95.4119223	
Clearwater	Clearwater	09020305	3	CLC5020 300b1W	9/6/2013	911.8	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM						0.00		0.03	0.03	149	37	32	NESE			47.67745792	-95.4115445	
Clearwater	Clearwater	09020305	3	CLC5020 310a1W	10/15/2015	911.9	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM						0.05		0.05	0.05	149	37	32	SESE			47.67570027	-95.41069779</	

Attachment D-1

Line 3 Replacement Project

Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Mitigation	Eggers & Reed *	Circular 39 *	Cowardin *	Bore Crossing Method Length (ft) b	HDD Crossing Method Length (ft) b	Push-Pull Crossing Method Length (ft) b	Standard Open Cut Crossing Method Length (ft) b	Total Crossing Length (ft) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanently Filled (acres)	Total Impacts (acres)	Agency Designation	Construction Timing Restriction	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category *	
Clearwater	Clearwater	09020305	3	CLC5018c1W	7/13/2013	917.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				234.71	234.71	0.28	0.25	0.53	0.53		Apr 1 - Jun 1	148	37	29	SESW	47.60418485	-95.39510052		
Clearwater	Clearwater	09020305	3	CLC5018f1W	7/13/2013	917.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				261.55	261.55	0.47	0.47	0.47	0.47		Apr 1 - Jun 1	148	37	29, 32	NENW, NWNE, SESW, SWSE	47.60179903	-95.39478482		
Clearwater	Clearwater	09020305	3	CLC5019a1W	7/15/2013	917.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				0.00	0.00	0.23	0.00	0.23	0.23		Apr 1 - Jun 1	148	37	32	NENW, NWNE	47.59927976	-95.39476205		
Clearwater	Clearwater	09020305	3	CLC5019a1W	7/15/2013	917.4	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS				0.00	0.00	0.08	0.00	0.11	0.11		Apr 1 - Jun 1	148	37	32	NENW, NWNE	47.59927976	-95.39476205		
Clearwater	Clearwater	09020305	3	CLC5025a1W	7/10/2013	918.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				0.00	0.00	0.10	0.00	0.14	0.14		Apr 1 - Jun 1	147	37	5	SWSE	47.57539683	-95.39282451	Forested Seasonal Ponds	
Clearwater	Clearwater	09020305	3	CLC5025a1W	7/10/2013	918.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	265.55			0.00	265.55	0.04	0.04	0.26	0.26		Apr 1 - Jun 1	147	37	5	SWSE	47.57539683	-95.39282451		
Clearwater	Clearwater	09020305	3	CLC5027c1W	5/24/2014	919.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				0.00	0.00	0.04	0.00	0.07	0.07		Apr 1 - Jun 1	147	37	8	SWNE	47.56634958	-95.39177993	Forested Seasonal Ponds	
Clearwater	Clearwater	09020305	3	CLC5027c1W	5/24/2014	919.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				13.23	13.23	0.03	0.00	0.07	0.07		Apr 1 - Jun 1	147	37	8	SWNE	47.56634958	-95.39177993		
Clearwater	Clearwater	09020305	3	CLC5031a1W	9/6/2013	921.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				408.21	408.21	0.44	0.00	0.44	0.44		Apr 1 - Jun 1	147	37	16, 17	SESE, SESW	47.54481447	-95.38379853		
Clearwater	Clearwater	09020305	3	CLC5031a1W	9/6/2013	921.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				0.03	0.03	0.03	0.00	0.17	0.17		Apr 1 - Jun 1	147	37	10, 17	SESE, SESW	47.54481447	-95.38379853	Forested Seasonal Ponds	
Clearwater	Clearwater	09020305	3	CLC5031a1W	9/6/2013	921.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				0.00	0.00	0.43	0.00	0.47	0.47		Apr 1 - Jun 1	147	37	16, 17	SESE, SESW	47.54481447	-95.38379853		
Clearwater	Clearwater	09020305	3	CLC5035a1W	9/6/2013	921.6	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM				0.00	0.00	0.04	0.00	0.04	0.04		Apr 1 - Jun 1	147	37	21	NWNW, SENW, SWNW	47.53861683	-95.37897198	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities	
Clearwater	Clearwater	09020305	3	CLC5035a1W	9/6/2013	921.6	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM				0.00	0.00	0.06	0.00	0.06	0.06		Apr 1 - Jun 1	147	37	21	NWNW, SENW, SWNW	47.53861683	-95.37897198	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites	
Clearwater	Clearwater	09020305	3	CLC5035a1W	9/6/2013	921.6	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	589.75			0.00	589.75	0.47	0.47	0.47	0.47		Apr 1 - Jun 1	147	37	21	NWNW, SENW, SWNW	47.53861683	-95.37897198	Wetlands Hydrologically Connected to Wild Rice Waters	
Clearwater	Clearwater	09020305	3	CLC5035a1W	9/6/2013	921.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	1,569.51			0.00	1,569.51	1.71	1.71	1.71	1.71		Apr 1 - Jun 1	147	37	21	NWNW, SENW, SWNW	47.53861683	-95.37897198	Wetlands Hydrologically Connected to Wild Rice Waters	
Clearwater	Clearwater	09020305	3	CLC5035a1W	9/6/2013	921.6	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS				0.00	0.00	0.00	0.00	0.00	0.00		Apr 1 - Jun 1	147	37	21	NWNW, SENW, SWNW	47.53861683	-95.37897198	Wetlands with High or Outstanding Biodiversity Sites	
Clearwater	Clearwater	09020305	3	CLC5035a1W	9/6/2013	921.6	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS				0.00	0.00	0.03	0.00	0.03	0.03		Apr 1 - Jun 1	147	37	21	NWNW, SENW, SWNW	47.53861683	-95.37897198	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities	
Clearwater	Clearwater	09020305	3	CLC5035a1W	9/6/2013	921.6	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS				0.00	0.00	0.12	0.00	0.12	0.12		Apr 1 - Jun 1	147	37	21	NWNW, SENW, SWNW	47.53861683	-95.37897198	Wetlands Hydrologically Connected to Wild Rice Waters	
Clearwater	Clearwater	09020305	3	CLC5035a1W	9/6/2013	921.6	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS				0.00	0.00	0.10	0.00	0.10	0.10		Apr 1 - Jun 1	147	37	21	NWNW, SENW, SWNW	47.53861683	-95.37897198	Wetlands Hydrologically Connected to Wild Rice Waters	
Clearwater	Clearwater	09020305	3	CLC5035a1W	9/6/2013	921.6	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS				0.00	0.00	0.24	0.00	0.24	0.24		Apr 1 - Jun 1	147	37	21	NWNW, SENW, SWNW	47.53861683	-95.37897198	Wetlands Hydrologically Connected to Wild Rice Waters	
Clearwater	Clearwater	09020305	3	CLC5035a1W	9/6/2013	921.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				0.00	0.00	0.00	0.00	0.00	0.00		Apr 1 - Jun 1	147	37	21	NWNW, SENW, SWNW	47.53861683	-95.37897198	Wetlands with High or Outstanding Biodiversity Sites	
Clearwater	Clearwater	09020305	3	CLC5035a1W	9/6/2013	921.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				0.00	0.00	0.05	0.00	0.05	0.05		Apr 1 - Jun 1	147	37	21	NWNW, SENW, SWNW	47.53861683	-95.37897198	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites	
Clearwater	Clearwater	09020305	3	CLC5035a1W	9/6/2013	921.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				0.00	0.00	0.07	0.00	0.07	0.07		Apr 1 - Jun 1	147	37	21	NWNW, SENW, SWNW	47.53861683	-95.37897198	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites	
Clearwater	Clearwater	09020305	3	CLC5035a1W	9/6/2013	921.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				0.00	0.00	0.07	0.00	0.07	0.07		Apr 1 - Jun 1	147	37	21	NWNW, SENW, SWNW	47.53861683	-95.37897198	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites	
Clearwater	Clearwater	09020305	3	CLC5035a1W	9/6/2013	921.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				0.00	0.00	0.08	0.00	0.08	0.08		Apr 1 - Jun 1	147	37	21	NWNW, SENW, SWNW	47.53861683	-95.37897198	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites	
Clearwater	Clearwater	09020305	3	CLC5035a1W	9/6/2013	921.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				0.00	0.00	0.08	0.00	0.08	0.08		Apr 1 - Jun 1	147	37	21	NWNW, SENW, SWNW	47.53861683	-95.37897198	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities	
Clearwater	Clearwater	09020305	3	CLC5035a1W	9/6/2013	921.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				26.12	26.12	0.80	0.00	0.22	1.01		Apr 1 - Jun 1	147	37	21	NWNW, SENW, SWNW	47.53861683	-95.37897198	Wetlands Hydrologically Connected to Wild Rice Waters	
Clearwater	Clearwater	09020305	3	CLC5035a1W	9/6/2013	921.6	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO				0.00	0.00	0.00	0.00	0.00	0.00		Apr 1 - Jun 1	147	37	21	NWNW, SENW, SWNW	47.53861683	-95.37897198	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites	
Clearwater	Clearwater	09020305	3	CLC5035a1W	9/6/2013	921.6	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO				0.00	0.00	0.00	0.00	0.00	0.00		Apr 1 - Jun 1	147	37	21	NWNW, SENW, SWNW	47.53861683	-95.37897198	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites	
Clearwater	Clearwater	09020305	3	CLC5035a1W	9/6/2013	921.6	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO				0.00	0.00	0.24	0.00	0.24	0.24		Apr 1 - Jun 1	147	37	21	NWNW, SENW, SWNW	47.53861683	-95.37897198	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites	
Clearwater	Clearwater	09020305	3	CLC5035a1W	9/6/2013	921.6	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO				0.00	0.00	0.42	0.00	0.42	0.42		Apr 1 - Jun 1	147	37	21	NWNW, SENW, SWNW	47.53861683	-95.37897198	Wetlands Hydrologically Connected to Wild Rice Waters	
Clearwater	Clearwater	09020305	3	CLC5037a1W	10/2/2014	922.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM		37.58			248.82	286.40	0.90	0.90	0.90	0.90		Apr 1 - Jun 1	147	37	21	NESE, SESW	47.53452478	-95.37582295	Wetlands Hydrologically Connected to Wild Rice Waters
Clearwater	Clearwater	09020305	3	CLC5037a1W	10/2/2014	922.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM		831.68			831.68	831.68	0.61	0.61	0.61	0.61		Apr 1 - Jun 1	147	37	21	NESE, SESW	47.53452478	-95.37582295	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites
Clearwater	Clearwater	09020305	3	CLC5037a1W	10/2/2014	922.1	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS		22.27			22.27	22.27	0.01	0.01	0.01	0.01		Apr 1 - Jun 1	147	37	21	NESE, SESW	47.53452478	-95.37582295	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites
Clearwater	Clearwater	09020305	3	CLC5037a1W	10/2/2014	922.1	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS		43.34			43.34	43.34	0.03	0.03	0.03	0.03		Apr 1 - Jun 1	147	37	21	NESE, SESW	47.53452478	-95.37582295	Wetlands Hydrologically Connected to Wild Rice Waters
Clearwater	Clearwater	09020305	3	CLC5037a1W	10/2/2014	922.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO		0.00			0.00	0.00	0.04	0.04	0.04	0.04		Apr 1 - Jun 1	147	37	21	NESE, SESW	47.53452478	-95.37582295	Wetlands Hydrologically Connected to Wild Rice Waters
Clearwater	Clearwater	09020305	3	CLC5037a1W	10/2/2014	922.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO		0.00			0.00	0.00	0.06	0.06	0.06	0.06		Apr 1 - Jun 1	147	37	21	NESE, SESW	47.53452478	-95.37582295	Forested Seasonal Ponds, Wetlands Hydrologically Connected to Wild Rice Waters
Clearwater	Clearwater	09020305	3	CLC5038c1W	9/10/2013	922.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM		77.13			77.13	77.13	0.05	0.05	0.05	0.05		Apr 1 - Jun 1	147	37	21	SESW	47.53105743	-95.37202025	
Clearwater	Clearwater	09020305	3	CLC5038a1W	9/7/2013	922.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM		322.44			322.44	322.44	0.22	0.22	0.22	0.22		Apr 1 - Jun 1	147	37	21	SESW, SWSE	47.53014647	-95.37248149	
Clearwater	Clearwater	09020305	3	CLC5038a1W	9/7/2013	922.4	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS																			

**Attachment D-1
Line 3 Replacement Project
Mainline Wetland Impact Table**

County	Major Watershed	Hydrologic Unit Code (HUC) #	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed *	Circular 39 *	Cowardin *	Bore Crossing Method Length (ft) b	HDD Crossing Method Length (ft) b	Push-Pull Crossing Method Length (ft) b	Standard Open Cut Crossing Method Length (ft) b	Total Crossing Length (ft) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Agency Designation	Construction Timing Restriction	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category *
Clearwater	Clearwater	09020305	3	w-146n36w7-e	6/19/2017	928.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				57.78	57.78	0.13	0.10	0.23	0.23		Apr 1 - Jun 1	146	36	7	NESE	47.4770254	-95.29362184	Forested Seasonal Ponds
Clearwater	Clearwater	09020305	3	w-146n36w7-e	6/19/2017	928.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				170.72	170.72	0.12	0.29	0.18	0.29		Apr 1 - Jun 1	146	36	7	NESE	47.4770254	-95.29362184	Forested Seasonal Ponds
Clearwater	Clearwater	09020305	3	w-146n36w7-c	6/17/2017	928.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				0.00	0.00	0.00	0.00	0.00	0.00		Apr 1 - Jun 1	146	36	7	NESE	47.47645751	-95.29142423	Forested Seasonal Ponds
Clearwater	Clearwater	09020305	3	w-146n36w7-c	6/17/2017	928.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				0.00	0.00	0.02	0.01	0.03	0.03		Apr 1 - Jun 1	146	36	7	NESE	47.47645751	-95.29142423	Forested Seasonal Ponds
Clearwater	Clearwater	09020305	3	w-146n36w8-b	6/17/2017	928.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				0.00	0.00	0.01	0.00	0.02	0.02		Apr 1 - Jun 1	146	36	8	NWSW	47.47655482	-95.28816099	Forested Seasonal Ponds
Clearwater	Clearwater	09020305	3	w-146n36w8-b	6/17/2017	928.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				29.23	29.23	0.04	0.03	0.07	0.04		Apr 1 - Jun 1	146	36	8	NWSW	47.47655482	-95.28816099	Forested Seasonal Ponds
Clearwater	Clearwater	09020305	3	w-146n36w8-a	6/17/2017	928.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				666.33	666.33	1.45	1.45	1.45	1.45		Apr 1 - Jun 1	146	36	8	NESW, NWSW	47.47609063	-95.28411458	
Clearwater	Clearwater	09020305	3	w-146n36w8-a	6/17/2017	928.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				122.43	122.43	0.13	0.14	0.28	0.28		Apr 1 - Jun 1	146	36	8	NESW, NWSW	47.47609063	-95.28411458	
Clearwater	Mississippi Headwaters	07010101	5	w-146n36w9-c	6/16/2017	929.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				55.26	55.26	0.11	0.11	0.11	0.11		Apr 1 - Jun 1	146	36	9	NWSW	47.4769827	-95.2642239	
Clearwater	Mississippi Headwaters	07010101	5	w-146n36w9-c	6/16/2017	929.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				64.65	64.65	0.10	0.08	0.18	0.18		Apr 1 - Jun 1	146	36	9	NWSW	47.4769827	-95.2642239	Forested Seasonal Ponds
Clearwater	Mississippi Headwaters	07010101	5	w-146n36w9-c	6/16/2017	929.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				150.63	150.63	0.26	0.16	0.41	0.41		Apr 1 - Jun 1	146	36	9	NWSW	47.4769827	-95.2642239	
Clearwater	Mississippi Headwaters	07010101	5	w-146n36w15-b	7/28/2018	931.7	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS				191.81	191.81	0.12	0.19	0.31	0.31		Apr 1 - Jun 1	146	36	15	SWNE	47.46469449	-95.2324891	
Clearwater	Mississippi Headwaters	07010101	5	w-146n36w15-b	7/28/2018	931.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				419.56	419.56	0.45	0.51	0.96	0.96		Apr 1 - Jun 1	146	36	15	SWNE	47.46469449	-95.2324891	
Clearwater	Mississippi Headwaters	07010101	5	w-146n36w14-a	6/15/2017	932.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM		55.96		22.20	78.16	0.12			0.12		Apr 1 - Jun 1	146	36	14	SWSW	47.45610272	-95.22176625	
Clearwater	Mississippi Headwaters	07010101	5	w-146n36w14-a	6/15/2017	932.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				0.00	0.00	0.02	0.02	0.04	0.04		Apr 1 - Jun 1	146	36	14	SWSW	47.45610272	-95.22176625	
Clearwater	Mississippi Headwaters	07010101	5	w-146n36w23-c	6/15/2017	932.6	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	33.78			79.44	113.22	0.12	0.13	0.25	0.25		Apr 1 - Jun 1	146	36	23	NWNW	47.4557136	-95.22168051	
Clearwater	Mississippi Headwaters	07010101	5	w-146n36w23-a	6/15/2017	933.1	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM				716.63	716.63	1.58	1.58	1.58	1.58		Apr 1 - Jun 15	146	36	23	NWSW, SWNW	47.44794696	-95.22149841	
Clearwater	Mississippi Headwaters	07010101	5	w-146n36w23-a	6/15/2017	933.1	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS				0.00	0.00	0.07	0.00	0.07	0.07		Apr 1 - Jun 15	146	36	23	NWSW, SWNW	47.44794696	-95.22149841	
Clearwater	Mississippi Headwaters	07010101	5	w-146n36w23-a	6/15/2017	933.1	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS				272.15	272.15	0.26	0.31	0.57	0.57		Apr 1 - Jun 15	146	36	23	NWSW, SWNW	47.44794696	-95.22149841	
Clearwater	Mississippi Headwaters	07010101	5	w-146n36w23-a	6/15/2017	933.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				247.41	247.41	0.28	0.30	0.58	0.58		Apr 1 - Jun 15	146	36	23	NWSW, SWNW	47.44794696	-95.22149841	
Clearwater	Mississippi Headwaters	07010101	5	w-146n36w26-a	6/15/2017	934.3	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS				68.11	68.11	0.02	0.06	0.09	0.09		Apr 1 - Jun 1	146	36	26	NWSW, SWSW	47.43096614	-95.22471355	
Clearwater	Mississippi Headwaters	07010101	5	w-146n36w26-a	6/15/2017	934.3	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS				70.71	70.71	0.19	0.07	0.27	0.27		Apr 1 - Jun 1	146	36	26	NWSW, SWSW	47.43096614	-95.22471355	Wetlands with High or Outstanding Biodiversity Sites
Clearwater	Mississippi Headwaters	07010101	5	w-146n36w26-a	6/15/2017	934.3	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS				0.00	0.00	0.08	0.01	0.09	0.09		Apr 1 - Jun 1	146	36	26	NWSW, SWSW	47.43096614	-95.22471355	
Clearwater	Mississippi Headwaters	07010101	5	w-146n36w26-a	6/15/2017	934.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				0.00	0.00	0.01	0.00	0.01	0.01		Apr 1 - Jun 1	146	36	26	NWSW, SWSW	47.43096614	-95.22471355	
Clearwater	Mississippi Headwaters	07010101	5	w-146n36w26-a	6/15/2017	934.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				246.19	246.19	0.14	0.28	0.42	0.42		Apr 1 - Jun 1	146	36	26	NWSW, SWSW	47.43096614	-95.22471355	Wetlands with High or Outstanding Biodiversity Sites
Clearwater	Mississippi Headwaters	07010101	5	w-146n36w35-g	6/14/2017	935.0	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS				30.33	30.33	0.08	0.04	0.12	0.12		Apr 1 - Jun 1	146	36	35	NWSW, SWNW	47.42011368	-95.22484959	
Clearwater	Mississippi Headwaters	07010101	5	w-146n36w35-g	6/14/2017	935.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				101.59	101.59	0.15	0.17	0.32	0.32		Apr 1 - Jun 1	146	36	35	NWSW, SWNW	47.42011368	-95.22484959	Forested Seasonal Ponds
Clearwater	Mississippi Headwaters	07010101	5	w-146n36w35-g	6/14/2017	935.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				408.25	408.25	0.61	0.44	1.05	1.05		Apr 1 - Jun 1	146	36	35	NWSW, SWNW	47.42011368	-95.22484959	
Clearwater	Mississippi Headwaters	07010101	5	w-146n36w35-f	6/14/2017	935.3	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS				0.00	0.00	0.19	0.00	0.19	0.19		Apr 1 - Jun 1	146	36	35	NWSW	47.41711187	-95.22517591	
Clearwater	Mississippi Headwaters	07010101	5	w-146n36w35-e	6/14/2017	935.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				0.00	0.00	0.00	0.00	0.00	0.00		Apr 1 - Jun 1	146	36	35	SWSW	47.41610924	-95.22480667	Forested Seasonal Ponds
Clearwater	Mississippi Headwaters	07010101	5	w-146n36w35-e	6/14/2017	935.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				0.00	0.00	0.01	0.01	0.01	0.01		Apr 1 - Jun 1	146	36	35	SWSW	47.41610924	-95.22480667	
Clearwater	Mississippi Headwaters	07010101	5	w-146n36w35-c	6/14/2017	935.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				0.00	0.00	0.00	0.00	0.00	0.00		Apr 1 - Jun 1	146	36	35	SWSW	47.414987	-95.22523462	
Clearwater	Mississippi Headwaters	07010101	5	w-146n36w35-c	6/14/2017	935.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				0.00	0.00	0.02	0.02	0.02	0.02		Apr 1 - Jun 1	146	36	35	SWSW	47.414987	-95.22523462	Forested Seasonal Ponds
Clearwater	Mississippi Headwaters	07010101	5	w-146n36w35-a	6/14/2017	935.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				11.60	11.60	0.02	0.01	0.03	0.03		Apr 1 - Jun 1	146	36	35	SWSW	47.41269885	-95.22471873	
Clearwater	Mississippi Headwaters	07010101	5	w-145n36w2-q	6/14/2017	935.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				28.64	28.64	0.13	0.13	0.13	0.13		Apr 1 - Jun 1	145	36	2	NWNW	47.41243817	-95.22472195	
Clearwater	Mississippi Headwaters	07010101	5	w-145n36w2-q	6/14/2017	935.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				0.00	0.00	0.00	0.00	0.00	0.00		Apr 1 - Jun 1	145	36	2	NWNW	47.41243817	-95.22472195	
Clearwater	Mississippi Headwaters	07010101	5	w-145n36w2-n	6/14/2017	935.8	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM				28.00	28.00	0.07	0.07	0.07	0.07		Apr 1 - Jun 1	145	36	2	NWNW	47.40955752	-95.22275173	
Clearwater	Mississippi Headwaters	07010101	5	w-145n36w2-n	6/14/2017	935.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				0.00	0.00	0.04	0.04	0.04	0.04		Apr 1 - Jun 1	145	36	2	NWNW	47.40955752	-95.22275173	
Clearwater	Mississippi Headwaters	07010101	5	w-145n36w2-n	6/14/2017	935.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				0.13	0.13	0.02	0.02	0.04	0.04		Apr 1 - Jun 1	145	36	2	NWNW	47.40955752	-95.22275173	Forested Seasonal Ponds
Clearwater	Mississippi Headwaters	07010101	5	w-145n36w2-n	6/14/2017	935.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				98.30	98.30	0.01	0.07	0.08	0.08		Apr 1 - Jun 1	145	36	2	NWNW	47.40955752	-95.22275173	
Clearwater	Mississippi Headwaters	07010101	5	w-145n36w2-m	6/14/2017	935.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				33.69	33.69	0.08	0.08	0.08	0.08		Apr 1 - Jun 1	145	36	2	NWNW, SWNW	47.40887849	-95.2205123	
Clearwater	Mississippi Headwaters	07010101	5	w-145n36w2-k	6/14/2017	936.0</																					

**Attachment D-1
Line 3 Replacement Project
Mainline Wetland Impact Table**

County	Major Watershed	Hydrologic Unit Code (HUC) #	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed *	Circular 39 *	Cowardin *	Bore Crossing Method Length (ft) b	HDD Crossing Method Length (ft) b	Push-Pull Crossing Method Length (ft) b	Standard Open Cut Crossing Method Length (ft) b	Total Crossing Length (ft) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Agency Designation	Construction Timing Restriction	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category *
Clearwater	Mississippi Headwaters	07010101	5	w-145n36w14-b	6/10/2017	938.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					0.00	0.02			0.02		Apr 1 - Jun 1	145	36	14	NWSW, SWSW	47.37307535	-95.22121866	
Clearwater	Mississippi Headwaters	07010101	5	w-145n36w14-b	6/10/2017	938.5	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS				219.59	219.59	0.23	0.25	0.48		Apr 1 - Jun 1	145	36	14	NWSW, SWSW	47.37307535	-95.22121866		
Clearwater	Mississippi Headwaters	07010101	5	w-145n36w14-b	6/10/2017	938.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				157.94	157.94	0.16	0.19	0.35		Apr 1 - Jun 1	145	36	14	NWSW, SWSW	47.37307535	-95.22121866		
Clearwater	Mississippi Headwaters	07010101	5	w-145n36w14-b	6/10/2017	938.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				231.45	231.45	0.10	0.24	0.34		Apr 1 - Jun 1	145	36	14	NWSW, SWSW	47.37307535	-95.22121866	Forested Seasonal Ponds	
Clearwater	Mississippi Headwaters	07010101	5	CLC5092b1W	7/18/2013	939.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				248.03	248.03	0.45		0.06	0.51		Apr 1 - Jun 1	145	36	23, 26	NWNW, NWSW, SWSW	47.3570728	-95.2225649	
Clearwater	Mississippi Headwaters	07010101	5	CLC5092b1W	7/18/2013	939.6	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO				532.43	532.43	0.84	0.61	0.00	1.45		Apr 1 - Jun 1	145	36	23, 26	NWNW, NWSW, SWSW	47.3570728	-95.2225649	
Clearwater	Mississippi Headwaters	07010101	5	CLC5094a1W	7/22/2013	940.0	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS				400.69	400.69	0.55	0.41		0.96		Apr 1 - Jun 1	145	36	26	NENW, NWNW, SENW	47.3519796	-95.21979675	
Clearwater	Mississippi Headwaters	07010101	5	CLC5094a1W	7/22/2013	940.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO					0.00	0.01			0.01		Apr 1 - Jun 1	145	36	26	NENW, NWNW, SENW	47.3519796	-95.21979675	
Clearwater	Mississippi Headwaters	07010101	5	CLC5094a1W ¹	7/22/2013	940.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				437.35	437.35	1.08			1.08		Apr 1 - Jun 1	145	36	26	NENW, NWNW, SENW	47.3519796	-95.21979675	
Clearwater	Mississippi Headwaters	07010101	5	CLC5095a1W	7/22/2013	940.3	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS				304.10	304.10	0.04	0.21		0.26		Apr 1 - Jun 1	145	36	26	NESW, SENW	47.34755736	-95.21706696	
Clearwater	Mississippi Headwaters	07010101	5	CLC5095a1W	7/22/2013	940.3	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO				21.18	21.18	0.38		0.07	0.45		Apr 1 - Jun 1	145	36	26	NESW, SENW	47.34755736	-95.21706696	
Clearwater	Mississippi Headwaters	07010101	5	CLC5096a1W	7/7/2016	940.8	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM		97.83		355.01	452.84	0.51			0.51		Apr 1 - Jun 1	145	36	26, 35	NWNE, SWSE	47.34071294	-95.21252063	
Clearwater	Mississippi Headwaters	07010101	5	CLC5096a1W	7/7/2016	940.8	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS		52.10		52.10	52.10	0.46		0.10	0.55		Apr 1 - Jun 1	145	36	26, 35	NWNE, SWSE	47.34071294	-95.21252063	
Clearwater	Mississippi Headwaters	07010101	5	CLC5096a1W	7/7/2016	940.8	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO				0.00	0.02				0.02		Apr 1 - Jun 1	145	36	26, 35	NWNE, SWSE	47.34071294	-95.21252063	Wetlands with High or Outstanding Biodiversity Sites
Clearwater	Mississippi Headwaters	07010101	5	CLC5096a1W	7/7/2016	940.8	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO		40.97		40.97	40.97	0.64		0.08	0.71		Apr 1 - Jun 1	145	36	26, 35	NWNE, SWSE	47.34071294	-95.21252063	
Clearwater	Mississippi Headwaters	07010101	5	CLC5098a1W	9/10/2013	941.2	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM				330.49	330.49	0.46			0.46		Apr 1 - Jun 1	145	36	35	NENE, NWNE, SENE	47.33752121	-95.20876029	
Clearwater	Mississippi Headwaters	07010101	5	CLC5098a1W	9/10/2013	941.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM		0.27		0.27	0.27	0.01			0.01		Apr 1 - Jun 1	145	36	35	NENE, NWNE, SENE	47.33752121	-95.20876029	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Clearwater	Mississippi Headwaters	07010101	5	CLC5098a1W	9/10/2013	941.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM		35.06		35.06	35.06	0.02			0.02		Apr 1 - Jun 1	145	36	35	NENE, NWNE, SENE	47.33752121	-95.20876029	
Clearwater	Mississippi Headwaters	07010101	5	CLC5098a1W	9/10/2013	941.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM		588.12		588.12	588.12	0.43			0.43		Apr 1 - Jun 1	145	36	35	NENE, NWNE, SENE	47.33752121	-95.20876029	Wetlands with High or Outstanding Biodiversity Sites
Clearwater	Mississippi Headwaters	07010101	5	CLC5098a1W	9/10/2013	941.2	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS				0.00	0.00	0.69		0.01	0.70		Apr 1 - Jun 1	145	36	35	NENE, NWNE, SENE	47.33752121	-95.20876029	
Clearwater	Mississippi Headwaters	07010101	5	CLC5098a1W	9/10/2013	941.2	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS		30.24		30.24	30.24			0.02	0.02		Apr 1 - Jun 1	145	36	35	NENE, NWNE, SENE	47.33752121	-95.20876029	Wetlands with High or Outstanding Biodiversity Sites
Clearwater	Mississippi Headwaters	07010101	5	CLC5098a1W	9/10/2013	941.2	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS		375.88		375.88	375.88	0.25		0.25	0.25		Apr 1 - Jun 1	145	36	35	NENE, NWNE, SENE	47.33752121	-95.20876029	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Clearwater	Mississippi Headwaters	07010101	5	CLC5098a1W	9/10/2013	941.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO		58.75		58.75	58.75	0.04		0.04	0.04		Apr 1 - Jun 1	145	36	35	NENE, NWNE, SENE	47.33752121	-95.20876029	
Clearwater	Mississippi Headwaters	07010101	5	CLC5098a1W	9/10/2013	941.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO		80.30		80.30	80.30	0.05		0.05	0.05		Apr 1 - Jun 1	145	36	35	NENE, NWNE, SENE	47.33752121	-95.20876029	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Clearwater	Mississippi Headwaters	07010101	5	CLC5098a1W	9/10/2013	941.2	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO		126.48		126.48	126.48	0.08		0.08	0.08		Apr 1 - Jun 1	145	36	35	NENE, NWNE, SENE	47.33752121	-95.20876029	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Clearwater	Mississippi Headwaters	07010101	5	CLC5098a1W	9/10/2013	941.2	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO		296.33		296.33	296.33	0.41		0.20	0.61		Apr 1 - Jun 1	145	36	35	NENE, NWNE, SENE	47.33752121	-95.20876029	
Clearwater	Mississippi Headwaters	07010101	5	CLC5100c1W	9/10/2013	941.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				0.00	0.00	0.00		0.00	0.00		Apr 1 - Jun 1	145	36	36	NWSW	47.33223372	-95.20296253	
Clearwater	Mississippi Headwaters	07010101	5	CLC5100c1W	9/10/2013	941.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				0.00	0.00	0.07		0.00	0.07		Apr 1 - Jun 1	145	36	36	NWSW	47.33223372	-95.20296253	Forested Seasonal Ponds
Clearwater	Mississippi Headwaters	07010101	5	CLC5100a1W	9/10/2013	942.0	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM				152.86	152.86	0.29			0.29		Apr 1 - Jun 1	145	36	36	SWSW	47.32697868	-95.19906664	Wetlands with S1, S2, or S3 Native Plant Communities
Clearwater	Mississippi Headwaters	07010101	5	CLC5100a1W	9/10/2013	942.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				0.00	0.00	0.00		0.00	0.00		Apr 1 - Jun 1	145	36	36	SWSW	47.32697868	-95.19906664	Forested Seasonal Ponds, Wetlands with S1, S2, or S3 Native Plant Communities
Clearwater	Mississippi Headwaters	07010101	5	CLC5100a1W	9/10/2013	942.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				0.00	0.00	0.02		0.00	0.02		Apr 1 - Jun 1	145	36	36	SWSW	47.32697868	-95.19906664	Wetlands with S1, S2, or S3 Native Plant Communities
Clearwater	Mississippi Headwaters	07010101	5	CLC5102a1W	7/22/2013	942.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				117.11	117.11	0.16			0.16		Apr 1 - Jun 1	144	36	2	NWNE	47.32525357	-95.19809321	
Clearwater	Mississippi Headwaters	07010101	5	CLC5102a1W	7/22/2013	942.1	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS				12.92	12.92	0.08	0.03		0.11		Apr 1 - Jun 1	144	36	2	NWNE	47.32525357	-95.19809321	
Clearwater	Mississippi Headwaters	07010101	5	CLC5103a1W	7/7/2015	942.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				0.00	0.00	0.00			0.00		Apr 1 - Jun 1	144	36	2	NWNE	47.32371128	-95.1971101	
Clearwater	Mississippi Headwaters	07010101	5	CLC5103a1W	7/7/2015	942.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				0.00	0.00	0.03			0.03		Apr 1 - Jun 1	144	36	2	NWNE	47.32371128	-95.1971101	Forested Seasonal Ponds
Clearwater	Mississippi Headwaters	07010101	5	CLC5105c1W	7/20/2013	943.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				54.95	54.95	0.04			0.04		Apr 1 - Jun 1	144	36	2	SESE	47.31319794	-95.19197288	
Clearwater	Mississippi Headwaters	07010101	5	CLC5105b1W	7/20/2013	943.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				0.00	0.00	0.02			0.02		Apr 1 - Jun 1	144	36	2	SESE	47.3124951	-95.19171105	
Clearwater	Mississippi Headwaters	07010101	5	CLC5105a1W	7/20/2013	943.1	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM				0.00	0.00	0.01			0.01		Apr 1 - Jun 1	144	36	2	SESE	47.311528	-95.19125529	
Clearwater	Mississippi Headwaters	07010101	5	CLC5111a1W	7/20/2013	943.8	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM				189.21	189.21	0.40			0.40		Apr 1 - Jun 1	144	36	12	NWSW	47.30179109	-95.18588033	
Clearwater	Mississippi Headwaters	07010101	5	CLC5111a1W	7/20/2013	943.8	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS				117.05	117.05	0.13	0.14		0.27		Apr 1 - Jun 1	144	36	12	NWSW	47.30179109	-95.18588033	
Clearwater	Mississippi Headwaters	07010101	5	CLC5122c1W	7/20/2013	944.0	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM				87.08	87.08	0.31			0.31		Apr 1 - Jun 1	144	36	12	SWSW, SWSW	47.3006312	-95.18504358	
Clearwater	Mississippi Headwaters	07010101	5	CLC5112b1W	7/20/2013	944.0	8 - Seasonally Flooded Basin	Type 1 -																			

**Attachment D-1
Line 3 Replacement Project
Mainline Wetland Impact Table**

County	Major Watershed	Hydrologic Unit Code (HUC) #	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed *	Circular 39 *	Cowardin *	Bore Crossing Method Length (ft) b	HDD Crossing Method Length (ft) b	Push-Pull Crossing Method Length (ft) b	Standard Open Cut Crossing Method Length (ft) b	Total Crossing Length (ft) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Agency Designation	Construction Timing Restriction	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category *
Hubbard	Mississippi Headwaters	07010101	5	HUC5005a1W	7/23/2013	946.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO					0.00	0.04	0.01		0.05		Apr 1 - Jun 1	144	35	19, 30	NWNE, SWSE	47.26881796	-95.16345332	Forested Seasonal Ponds, Wetlands Hydrologically Connected to Trout Streams, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Hubbard	Mississippi Headwaters	07010101	5	HUC5005a1W	7/23/2013	946.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				3.23	3.23		0.00		0.00		Apr 1 - Jun 1	144	35	19, 30	NWNE, SWSE	47.26881796	-95.16345332	Wetlands Hydrologically Connected to Trout Streams, Wetlands with High or Outstanding Biodiversity Sites
Hubbard	Mississippi Headwaters	07010101	5	HUC5005a1W	7/23/2013	946.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				38.87	38.87		0.03		0.03		Apr 1 - Jun 1	144	35	19, 30	NWNE, SWSE	47.26881796	-95.16345332	Forested Seasonal Ponds, Wetlands Hydrologically Connected to Trout Streams, Wetlands with High or Outstanding Biodiversity Sites
Hubbard	Mississippi Headwaters	07010101	5	HUC5007a1W	7/22/2013	947.4	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM					0.00	0.00			0.00		Apr 1 - Jun 1	144	35	30	NESE	47.25863992	-95.15534046	
Hubbard	Mississippi Headwaters	07010101	5	HUC5009a1W	6/13/2014	947.6	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM				84.02	84.02	0.16			0.16		Apr 1 - Jun 1	144	35	29	SWSW	47.25583283	-95.15286127	
Hubbard	Mississippi Headwaters	07010101	5	HUC5010a1W	7/22/2013	948.0	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM				90.84	90.84	0.23			0.23		Apr 1 - Jun 1	144	35	32	NWNW	47.25135205	-95.14914336	
Hubbard	Mississippi Headwaters	07010101	5	HUC5010a1W	7/22/2013	948.0	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS				30.72	30.72	0.10			0.14		Apr 1 - Jun 1	144	35	32	NWNW	47.25135205	-95.14914336	
Hubbard	Mississippi Headwaters	07010101	5	HUC5011a1W	7/22/2013	948.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO					0.00	0.01			0.01		Apr 1 - Jun 1	144	35	32	SWNW	47.25032282	-95.14817553	Forested Seasonal Ponds
Hubbard	Mississippi Headwaters	07010101	5	HUC5012a1W	7/22/2013	948.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO					0.00	0.00			0.00		Apr 1 - Jun 1	144	35	32	SENW	47.24774665	-95.14608069	
Hubbard	Mississippi Headwaters	07010101	5	HUC5012a1W	7/22/2013	948.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO					0.00	0.03			0.03		Apr 1 - Jun 1	144	35	32	SENW	47.24774665	-95.14608069	Forested Seasonal Ponds
Hubbard	Mississippi Headwaters	07010101	5	HUC5013b1W	7/22/2013	948.5	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS				54.28	54.28				0.03		Apr 1 - Jun 1	144	35	32	NESE	47.245113	-95.14417869	
Hubbard	Mississippi Headwaters	07010101	5	HUC5019a1W	7/23/2013	949.9	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM				255.34	255.34	0.35			0.35		Apr 1 - Jun 1	143	35	5	NESE, SESE	47.2269829	-95.13499807	
Hubbard	Mississippi Headwaters	07010101	5	HUC5019a1W	7/23/2013	949.9	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS					0.00	0.12			0.14		Apr 1 - Jun 1	143	35	5	NESE, SESE	47.2269829	-95.13499807	
Hubbard	Mississippi Headwaters	07010101	5	HUC5019a1W	7/23/2013	949.9	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO				76.17	76.17	0.18			0.26		Apr 1 - Jun 1	143	35	5	NESE, SESE	47.2269829	-95.13499807	
Hubbard	Mississippi Headwaters	07010101	5	HUC5023a1W	7/23/2013	950.3	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM					0.00	0.10			0.10		Apr 1 - Jun 1	143	35	8	SENE	47.22036876	-95.13497528	
Hubbard	Mississippi Headwaters	07010101	5	HUC5023a1W	7/23/2013	950.3	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS				127.38	127.38	0.22			0.13		Apr 1 - Jun 1	143	35	8	SENE	47.22036876	-95.13497528	
Hubbard	Mississippi Headwaters	07010101	5	HUC5023b1W	7/23/2013	950.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				55.21	55.21	0.03			0.03		Apr 1 - Jun 1	143	35	8	SENE	47.21794275	-95.13484188	
Hubbard	Mississippi Headwaters	07010101	5	HUC5023b1W	7/23/2013	950.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO					0.00	0.00			0.00		Apr 1 - Jun 1	143	35	8	SENE	47.21794275	-95.13484188	
Hubbard	Mississippi Headwaters	07010101	5	HUC5023b1W	7/23/2013	950.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				3.15	3.15	0.00			0.03		Apr 1 - Jun 1	143	35	8	SENE	47.21794275	-95.13484188	Forested Seasonal Ponds
Hubbard	Mississippi Headwaters	07010101	5	HUC5024a1W	7/23/2013	950.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					0.00	0.04			0.04		Apr 1 - Jun 1	143	35	8	NESE	47.21725809	-95.13458316	
Hubbard	Mississippi Headwaters	07010101	5	HUC5024b1W	7/23/2013	950.7	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM				361.53	361.53	0.61			0.61		Apr 1 - Jun 1	143	35	8	NESE	47.21473387	-95.13472731	
Hubbard	Mississippi Headwaters	07010101	5	HUC5024b1W	7/23/2013	950.7	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS					0.00	0.08			0.10		Apr 1 - Jun 1	143	35	8	NESE	47.21473387	-95.13472731	
Hubbard	Mississippi Headwaters	07010101	5	HUC5026a1W	7/23/2013	951.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				137.24	137.24	0.14			0.14		Apr 1 - Jun 1	143	35	17	SENE	47.205024	-95.1336739	
Hubbard	Mississippi Headwaters	07010101	5	HUC5026a1W	7/23/2013	951.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO					0.00	0.00			0.00		Apr 1 - Jun 1	143	35	17	SENE	47.205024	-95.1336739	Forested Seasonal Ponds
Hubbard	Mississippi Headwaters	07010101	5	HUC5026a1W	7/23/2013	951.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				31.50	31.50	0.04			0.04		Apr 1 - Jun 1	143	35	17	SENE	47.205024	-95.1336739	
Hubbard	Mississippi Headwaters	07010101	5	HUC5027a1W	7/24/2013	951.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				85.47	85.47	0.07			0.07		Apr 1 - Jun 1	143	35	17	NESE, SESE	47.20286846	-95.13363309	
Hubbard	Mississippi Headwaters	07010101	5	HUC5027a1W	7/24/2013	951.5	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS				42.64	42.64	0.04			0.04		Apr 1 - Jun 1	143	35	17	NESE, SESE	47.20286846	-95.13363309	
Hubbard	Mississippi Headwaters	07010101	5	HUC5027b1W	7/24/2013	951.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					0.00	0.07			0.07		Apr 1 - Jun 1	143	35	17	NESE	47.19967586	-95.13347253	
Hubbard	Mississippi Headwaters	07010101	5	HUC5027b1W	7/24/2013	951.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO					0.00	0.05			0.05		Apr 1 - Jun 1	143	35	17	NESE	47.19967586	-95.13347253	Forested Seasonal Ponds
Hubbard	Mississippi Headwaters	07010101	5	HUC5027b1W	7/24/2013	951.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				255.13	255.13	0.11			0.16		Apr 1 - Jun 1	143	35	17	NESE	47.19967586	-95.13347253	
Hubbard	Mississippi Headwaters	07010101	5	HUC5029_200a1W	6/29/2015	952.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO					0.00	0.04			0.04		Apr 1 - Jun 1	143	35	20, 21	NENE, NWNW	47.19502043	-95.13146048	Forested Seasonal Ponds
Hubbard	Mississippi Headwaters	07010101	5	HUC5029_200a1W	6/29/2015	952.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				61.05	61.05	0.02			0.06		Apr 1 - Jun 1	143	35	20, 21	NENE, NWNW	47.19502043	-95.13146048	
Hubbard	Mississippi Headwaters	07010101	5	HUC5034_200a1W	6/29/2015	952.9	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS					0.00	0.04			0.03		Apr 1 - Jun 1	143	35	21	SWSW	47.18446758	-95.1301069	
Hubbard	Mississippi Headwaters	07010101	5	HUC5034_200a1W	6/29/2015	952.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO					0.00	0.00			0.00		Apr 1 - Jun 1	143	35	21	SWSW	47.18446758	-95.1301069	Forested Seasonal Ponds
Hubbard	Mississippi Headwaters	07010101	5	HUC5034_200a1W	6/29/2015	952.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				79.30	79.30	0.05			0.06		Apr 1 - Jun 1	143	35	21	SWSW	47.18446758	-95.1301069	
Hubbard	Mississippi Headwaters	07010101	5	HUC5037e1W	9/9/2014	953.1	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM				56.97	56.97	0.07			0.07		Apr 1 - Jun 1	143	35	20	SESE	47.1813523	-95.1329299	
Hubbard	Mississippi Headwaters	07010101	5	HUC5037d1W	9/9/2014	953.2	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS				80.87	80.87	0.07			0.08		Apr 1 - Jun 1	143	35	29	NENE	47.18007182	-95.13386017	
Hubbard	Mississippi Headwaters	07010101	5	HUC5037c1W	7/26/2013	953.4	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM				73.39	73.39	0.10			0.10		Apr 1 - Jun 1	143	35	29	NENE	47.17809008	-95.1342998	
Hubbard	Mississippi Headwaters	07010101	5	HUC5037c1W	7/26/2013	953.4	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS				87.60	87.60	0.20			0.09		Apr 1 - Jun 1	143	35	29	NENE	47.17809008	-95.1342998	
Hubbard	Mississippi Headwaters	07010101	5	HUC5037a1W	7/1/2016	953.5	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM				113.40	113.40	0.10			0.10		Apr 1 - Jun 1	143	35	29	NESE, SESE	47.17529081	-95.13413292	
Hubbard	Mississippi Headwaters	07010101	5	HUC5037a1W	7/1/2016	953.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				761.80	761.80	1.70			1.70		Apr 1 - Jun 1	143	35	29	NESE, SESE	47.17529081	-95.13413292	
Hubbard	Mississippi Headwaters	07010101	5	HUC5037a1W	7/1/2016	953.5	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS				124.84	124.84	0.33			0.19		Apr 1 - Jun 1	143	35	29	NESE, SESE	47.17529081	-95.13413292	
Hubbard	Mississippi Headwaters	07010101	5	HUC5038g1W	7/25/2013	953.7	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM				167.51	167.51	0.20			0.20		Apr 1 - Jun 1	143	35	29	NESE	47.17280296	-95.1345689	
Hubbard	Mississippi Headwaters	07010101	5	HUC5038g1																							

**Attachment D-1
Line 3 Replacement Project
Mainline Wetland Impact Table**

County	Major Watershed	Hydrologic Unit Code (HUC) #	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed *	Circular 39 *	Cowardin *	Bore Crossing Method Length (ft) b	HDD Crossing Method Length (ft) b	Push-Pull Crossing Method Length (ft) b	Standard Open Cut Crossing Method Length (ft) b	Total Crossing Length (ft) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Agency Designation	Construction Timing Restriction	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category *
Hubbard	Mississippi Headwaters	07010101	5	HUC5042c1W	7/24/2013	955.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				51.30	51.30	0.05			0.05		Apr 1 - Jun 1	142	35	5	NWNE	47.15110141	-95.1372073	
Hubbard	Mississippi Headwaters	07010101	5	HUC5042c1W	7/24/2013	955.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO					0.00		0.02		0.02		Apr 1 - Jun 1	142	35	5	NWNE	47.15110141	-95.1372073	
Hubbard	Mississippi Headwaters	07010101	5	HUC5042c1W	7/24/2013	955.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PEM				72.88	72.88	0.07		0.05	0.12		Apr 1 - Jun 1	142	35	5	NWNE	47.15110141	-95.1372073	Forested Seasonal Ponds
Hubbard	Crow Wing	07010106	5	HUC5042e1W	7/25/2013	955.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				70.35	70.35	0.06			0.06		Apr 1 - Jun 1	142	35	5	NWNE	47.15006287	-95.13721462	
Hubbard	Crow Wing	07010106	5	HUC5042e1W	7/24/2013	955.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				0.00	0.00				0.00		Apr 1 - Jun 1	142	35	5	NWNE	47.14919225	-95.13683346	Forested Seasonal Ponds
Hubbard	Crow Wing	07010106	5	HUC5042e1W	7/24/2013	955.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PEM				0.01	0.01				0.01		Apr 1 - Jun 1	142	35	5	NWNE	47.14919225	-95.13683346	
Hubbard	Crow Wing	07010106	5	HUC5043a1W	7/17/2015	955.4	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM				141.93	141.93	0.30			0.30		Apr 1 - Jun 1	142	35	5	SWNE	47.14835602	-95.1371453	
Hubbard	Crow Wing	07010106	5	HUC5043a1W	7/17/2015	955.4	6B - Alder Thicket	Type 6 - Shrub Swamp	PSS				0.09	0.09				0.09		Apr 1 - Jun 1	142	35	5	SWNE	47.14835602	-95.1371453	
Hubbard	Crow Wing	07010106	5	HUC5043a1W	7/25/2013	955.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				29.02	29.02	0.02			0.02		Apr 1 - Jun 1	142	35	5	SWNE	47.1470837	-95.1372601	
Hubbard	Crow Wing	07010106	5	HUC5043a1W	7/25/2013	955.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				23.98	23.98	0.03			0.03		Apr 1 - Jun 1	142	35	5	SWNE	47.14571708	-95.13766157	
Hubbard	Crow Wing	07010106	5	HUC5044a1W	7/25/2013	955.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				0.01	0.01				0.01		Apr 1 - Jun 1	142	35	5	NWSE	47.1447899	-95.13794248	
Hubbard	Crow Wing	07010106	5	HUC5044a1W	7/25/2013	955.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				130.97	130.97	0.26			0.26		Apr 1 - Jun 1	142	35	5	NWSE	47.14440363	-95.13787226	
Hubbard	Crow Wing	07010106	5	HUC5044a1W	7/26/2013	955.8	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM				224.03	224.03	0.48			0.48		Apr 1 - Jun 1	142	35	5	NWSE	47.14260168	-95.139354	
Hubbard	Crow Wing	07010106	5	HUC5044g1W	7/31/2013	955.9	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM				0.00	0.00				0.00		Apr 1 - Jun 1	142	35	5	NWSE, SWSE	47.14152824	-95.13854197	
Hubbard	Crow Wing	07010106	5	HUC5044g1W	7/31/2013	955.9	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM				38.80	38.80	0.11			0.11		Apr 1 - Jun 1	142	35	5	NWSE, SWSE	47.14152824	-95.13854197	
Hubbard	Crow Wing	07010106	5	HUC5044g1W	7/31/2013	955.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				0.00	0.00				0.00		Apr 1 - Jun 1	142	35	5	NWSE, SWSE	47.14152824	-95.13854197	Forested Seasonal Ponds
Hubbard	Crow Wing	07010106	5	HUC5044h1W	7/31/2013	955.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				0.03	0.03				0.03		Apr 1 - Jun 1	142	35	5	NWSE, SWSE	47.14152824	-95.13854197	
Hubbard	Crow Wing	07010106	5	HUC5044h1W	7/31/2013	956.0	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM				33.53	33.53	0.07			0.07		Apr 1 - Jun 1	142	35	5	SWSE	47.14104069	-95.1387055	
Hubbard	Crow Wing	07010106	5	HUC5044i1W	7/31/2013	956.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				34.25	34.25	0.02			0.02		Apr 1 - Jun 1	142	35	5	SWSE	47.14074249	-95.13892865	
Hubbard	Crow Wing	07010106	5	HUC5044i1W	7/31/2013	956.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				79.24	79.24	0.11			0.11		Apr 1 - Jun 1	142	35	5	SWSE	47.14009339	-95.13904409	
Hubbard	Crow Wing	07010106	5	HUC5044m1W	7/31/2013	956.1	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS				0.00	0.00				0.00		Apr 1 - Jun 1	142	35	5	SWSE	47.13950915	-95.1389449	
Hubbard	Crow Wing	07010106	5	HUC5044m1W	7/31/2013	956.1	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM				131.76	131.76	0.21			0.21		Apr 1 - Jun 1	142	35	5	SWSE	47.13823352	-95.13929253	
Hubbard	Crow Wing	07010106	5	HUC5045a1W	7/26/2013	956.2	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM				0.00	0.00				0.00		Apr 1 - Jun 1	142	35	8	NWNE	47.13735331	-95.13925449	
Hubbard	Crow Wing	07010106	5	HUC5045a1W	7/26/2013	956.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PEM				0.00	0.00				0.00		Apr 1 - Jun 1	142	35	8	NWNE	47.13735331	-95.13925449	Forested Seasonal Ponds
Hubbard	Crow Wing	07010106	5	HUC5045a1W	7/26/2013	956.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				45.75	45.75	0.07			0.07		Apr 1 - Jun 1	142	35	8	NWNE	47.13735331	-95.13925449	
Hubbard	Crow Wing	07010106	5	HUC5045a1W	7/30/2013	956.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				0.00	0.00				0.00		Apr 1 - Jun 1	142	35	8	NWNE	47.13553834	-95.13947451	Forested Seasonal Ponds
Hubbard	Crow Wing	07010106	5	HUC5045a1W	7/30/2013	956.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PEM				3.78	3.78	0.06			0.06		Apr 1 - Jun 1	142	35	8	NWNE	47.13553834	-95.13947451	
Hubbard	Crow Wing	07010106	5	HUC5045a1W	7/30/2013	956.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				0.00	0.00				0.00		Apr 1 - Jun 1	142	35	8	NWNE	47.13527233	-95.13972762	
Hubbard	Crow Wing	07010106	5	HUC5047c1W	7/25/2013	956.7	4A - Open Bog	Type 8 - Bog	PEM				46.69	46.69	0.09			0.09		Apr 1 - Jun 1	142	35	8	NWNE	47.13006119	-95.14033049	
Hubbard	Crow Wing	07010106	5	HUC5047c1W	7/25/2013	956.7	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS				0.00	0.00				0.00		Apr 1 - Jun 1	142	35	8	NWNE	47.13006119	-95.14033049	
Hubbard	Crow Wing	07010106	5	HUC5048b1W	7/24/2013	956.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				0.01	0.01				0.01		Apr 1 - Jun 1	142	35	8	NWSE, SWSE	47.12758172	-95.14111161	
Hubbard	Crow Wing	07010106	5	HUC5052f1W	6/12/2014	957.4	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM				26.02	26.02	0.08			0.08		Apr 1 - Jun 1	142	35	17	NENW	47.12066232	-95.14226582	
Hubbard	Crow Wing	07010106	5	HUC5052f1W	6/12/2014	957.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				0.00	0.00				0.00		Apr 1 - Jun 1	142	35	17	NENW	47.12066232	-95.14226582	Forested Seasonal Ponds
Hubbard	Crow Wing	07010106	5	HUC5052f1W	6/12/2014	957.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PEM				33.46	33.46	0.03			0.03		Apr 1 - Jun 1	142	35	17	NENW	47.12066232	-95.14226582	
Hubbard	Crow Wing	07010106	5	HUC5052g1W	6/12/2014	957.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				1.19	1.19	0.00			0.00		Apr 1 - Jun 1	142	35	17	NENW, SENW	47.11847637	-95.14247637	
Hubbard	Crow Wing	07010106	5	HUC5052g1W	6/12/2014	957.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PEM				71.11	71.11	0.04			0.04		Apr 1 - Jun 1	142	35	17	NENW, SENW	47.11847637	-95.14247637	Forested Seasonal Ponds
Hubbard	Crow Wing	07010106	5	HUC5052h1W	7/26/2013	957.5	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM				355.20	355.20	0.64			0.64		Apr 1 - Jun 1	142	35	17	SENW	47.11845483	-95.14274189	
Hubbard	Crow Wing	07010106	5	HUC5052h1W	7/26/2013	957.5	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS				59.55	59.55	0.14			0.14		Apr 1 - Jun 1	142	35	17	SENW	47.11845483	-95.14274189	
Hubbard	Crow Wing	07010106	5	HUC5052h1W	7/26/2013	957.8	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM				127.70	127.70	0.31			0.31		Apr 1 - Jun 1	142	35	17	SENW	47.11517478	-95.14338362	
Hubbard	Crow Wing	07010106	5	HUC5052h1W	7/26/2013	957.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				13.44	13.44	0.06			0.06		Apr 1 - Jun 1	142	35	17	SESW, NWSE	47.11517478	-95.14338362	
Hubbard	Crow Wing	07010106	5	HUC5052a1W	7/26/2013	957.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PEM				20.98	20.98	0.06			0.06		Apr 1 - Jun 1	142	35	17	SESW	47.11517478	-95.14338362	Forested Seasonal Ponds
Hubbard	Crow Wing	07010106	5	HUC5053c1W	7/25/2013	958.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				33.10	33.10	0.03			0.03		Apr 1 - Jun 1	142	35	17	SESW	47.1114844	-95.1441696	
Hubbard	Crow Wing	07010106	5	HUC5053c1W	7/25/2013	958.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				0.00	0.00				0.00		Apr 1 - Jun 1	142	35	17	SESW	47.1114844	-95.1441696	
Hubbard	Crow Wing	07010106	5	HUC5053a1W	7/25/2013	958.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				0.00	0.00				0.00		Apr 1 - Jun 1	142	35	17	SESW	47.1114844	-95.1441696	Forested Seasonal Ponds

Attachment D-1

Line 3 Replacement Project

Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Meters	Eggers & Reed *	Circular 39 *	Cowardin *	Bore Crossing Method Length (ft) b	HDD Crossing Method Length (ft) b	Push-Pull Crossing Method Length (ft) b	Standard Open Cut Crossing Method Length (ft) b	Total Crossing Length (ft) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Agency Designation	Construction Timing Restriction	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category *	
Hubbard	Crow Wing	07010106	5	HUC5087a1W	7/31/2013	965.3	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS					0.00	0.05	0.00	0.05	0.05		Apr 1 - Jun 1	141	35	20, 29	NNNW, SWSW	47.00739458	-95.1468787		
Hubbard	Crow Wing	07010106	5	HUC5088a1W	7/31/2013	965.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					0.00	0.01	0.00	0.01	0.01		Apr 1 - Jun 1	141	35	29	SWNW	47.00305850	-95.1466382		
Hubbard	Crow Wing	07010106	5	HUC5089a1W	7/31/2013	965.8	1 - Shallow, Open Water	Type 5 - Inland Open Fresh Water	PUB					0.04	0.04	0.00	0.04	0.04		Apr 1 - Jun 1	141	35	29	SWNW	47.00081732	-95.1469813		
Hubbard	Crow Wing	07010106	5	HUC5089a1W	7/31/2013	965.8	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	66.74				66.74	0.14	0.05	0.19	0.19		Apr 1 - Jun 1	141	35	29	SWNW	47.00081732	-95.1469813		
Hubbard	Crow Wing	07010106	5	HUC5089a1W	8/1/2013	965.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	51.86				51.86	0.05	0.00	0.05	0.05		Apr 1 - Jun 1	141	35	29	SWNW	47.00043906	-95.14715213		
Hubbard	Crow Wing	07010106	5	HUC5090a1W	8/1/2013	966.0	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM					0.08	0.08	0.00	0.08	0.08		Apr 1 - Jun 1	141	35	29	SWNW	46.99746073	-95.14709838		
Hubbard	Crow Wing	07010106	5	HUC5090a1W	8/1/2013	966.0	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	177.24				177.24	0.22	0.21	0.42	0.42		Apr 1 - Jun 1	141	35	29	SWNW	46.99746073	-95.14709838		
Hubbard	Crow Wing	07010106	5	HUC5090c1W	8/1/2013	966.1	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM					0.00	0.09	0.00	0.09	0.09		Apr 1 - Jun 1	141	35	29	SWSW	46.99546509	-95.1485759		
Hubbard	Crow Wing	07010106	5	HUC5090d1W	8/1/2013	966.2	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM					0.00	0.00	0.00	0.00	0.00		Apr 1 - Jun 1	141	35	29	SWSW	46.99436266	-95.1487676		
Hubbard	Crow Wing	07010106	5	HUC5092a1W	8/1/2013	966.4	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	207.02				207.02	0.30	0.00	0.30	0.30		Apr 1 - Jun 1	141	35	31, 32	NENE, NNWN	46.99193962	-95.14964361		
Hubbard	Crow Wing	07010106	5	HUC5092a1W	8/1/2013	966.4	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	39.62				39.62	0.14	0.22	0.22	0.22		Apr 1 - Jun 1	141	35	31, 32	NENE, NNWN	46.99193962	-95.14964361		
Hubbard	Crow Wing	07010106	5	HUC5093a1W	8/1/2013	966.5	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	365.17				365.17	0.47	0.00	0.47	0.47		Apr 1 - Jun 1	141	35	31	NENE	46.99053515	-95.15010894		
Hubbard	Crow Wing	07010106	5	HUC5093a1W	8/1/2013	966.5	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	208.56				208.56	0.51	0.29	0.79	0.79		Apr 1 - Jun 1	141	35	31	NENE	46.99053515	-95.15010894		
Hubbard	Crow Wing	07010106	5	HUC5094a1W	8/1/2013	966.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					0.00	0.07	0.00	0.07	0.07		Apr 1 - Jun 1	141	35	31	SENE	46.98721148	-95.15058213		
Hubbard	Crow Wing	07010106	5	HUC5094a1W	8/1/2013	966.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	155.56				155.56	0.30	0.00	0.30	0.30		Apr 1 - Jun 1	141	35	31	SENE	46.98721148	-95.15058213	Wetlands with S1, S2, or S3 Native Plant Communities	
Hubbard	Crow Wing	07010106	5	HUC5094a1W	8/1/2013	966.7	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS					0.11	0.05	0.11	0.11	0.05		Apr 1 - Jun 1	141	35	31	SENE	46.98721148	-95.15058213		
Hubbard	Crow Wing	07010106	5	HUC5094a1W	8/1/2013	966.7	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	81.45				81.45	0.06	0.07	0.13	0.13		Apr 1 - Jun 1	141	35	31	SENE	46.98721148	-95.15058213	Wetlands with S1, S2, or S3 Native Plant Communities	
Hubbard	Crow Wing	07010106	5	HUC5094c1W	8/1/2013	966.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					0.00	0.00	0.00	0.00	0.00		Apr 1 - Jun 1	141	35	31	SENE	46.98614828	-95.15054576		
Hubbard	Crow Wing	07010106	5	HUC5094c1W	8/1/2013	966.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					0.00	0.01	0.00	0.01	0.01		Apr 1 - Jun 1	141	35	31	SENE	46.98614828	-95.15054576	Wetlands with S1, S2, or S3 Native Plant Communities	
Hubbard	Crow Wing	07010106	5	HUC5095a1W	8/2/2013	966.9	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS					0.00	0.05	0.00	0.05	0.05		Apr 1 - Jun 1	141	35	31	NESE	46.98471778	-95.15001615		
Hubbard	Crow Wing	07010106	5	HUC5095a1W	8/2/2013	966.9	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS					0.00	0.06	0.00	0.06	0.06		Apr 1 - Jun 1	141	35	31	NESE	46.98471778	-95.15001615	Wetlands with S1, S2, or S3 Native Plant Communities	
Hubbard	Crow Wing	07010106	5	HUC5095c1W	8/2/2013	966.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					0.00	0.02	0.00	0.02	0.02		Apr 1 - Jun 1	141	35	31	NESE	46.98435184	-95.15015426		
Hubbard	Crow Wing	07010106	5	HUC5095c1W	8/2/2013	966.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	48.00				48.00	0.04	0.00	0.04	0.04		Apr 1 - Jun 1	141	35	31	NESE	46.98435184	-95.15015426	Wetlands with S1, S2, or S3 Native Plant Communities	
Hubbard	Crow Wing	07010106	5	HUC5095d1W	8/2/2013	966.9	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM					0.00	0.01	0.00	0.01	0.01		Apr 1 - Jun 1	141	35	31	NESE	46.98368657	-95.15005015		
Hubbard	Crow Wing	07010106	5	HUC5095d1W	8/2/2013	966.9	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	44.08				44.08	0.03	0.14	0.03	0.14	0.03		Apr 1 - Jun 1	141	35	31	NESE	46.98368657	-95.15005015	Wetlands with S1, S2, or S3 Native Plant Communities
Hubbard	Crow Wing	07010106	5	HUC5095g1W	8/2/2013	967.0	1 - Shallow, Open Water	Type 5 - Inland Open Fresh Water	PUB					1.21	0.14	0.14	0.14	0.14		Apr 1 - Jun 1	141	35	31	NESE	46.98257586	-95.14960362		
Hubbard	Crow Wing	07010106	5	HUC5095g1W	8/2/2013	967.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	366.15				366.15	0.67	0.00	0.67	0.67		Apr 1 - Jun 1	141	35	31	NESE	46.98257586	-95.14960362		
Hubbard	Crow Wing	07010106	5	HUC5095h1W	8/2/2013	967.3	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM					0.00	0.00	0.00	0.00	0.00		Apr 1 - Jun 1	141	35	31, 32	SESE, SWSW	46.97871995	-95.14892538	Wetlands with S1, S2, or S3 Native Plant Communities	
Hubbard	Crow Wing	07010106	5	HUC5095h1W	8/2/2013	967.3	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	160.87				160.87	0.36	0.00	0.36	0.36		Apr 1 - Jun 1	141	35	31, 32	SESE, SWSW	46.97871995	-95.14892538		
Hubbard	Crow Wing	07010106	5	HUC096a1W	8/3/2013	967.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO					0.00	0.00	0.00	0.00	0.00		Apr 1 - Jun 1	140	35	6	NENE, NWNE	46.97651922	-95.14888015	Wetlands with S1, S2, or S3 Native Plant Communities	
Hubbard	Crow Wing	07010106	5	HUC096a1W	8/3/2013	967.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO					0.00	0.05	0.00	0.05	0.05		Apr 1 - Jun 1	140	35	6	NENE, NWNE	46.97651922	-95.14888015	Forested Seasonal Ponds, Wetlands with S1, S2, or S3 Native Plant Communities	
Hubbard	Crow Wing	07010106	5	HUC5098a1W	8/3/2013	967.7	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM					191.57	0.20	0.00	0.20	0.20	Public Water	Apr 1 - July 15	140	35	6	SENE, SWNE	46.97333448	-95.14855124	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with S1, S2, or S3 Native Plant Communities	
Hubbard	Crow Wing	07010106	5	HUC5098a1W	8/3/2013	967.7	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM					855.27	0.98	0.00	0.98	0.98	Public Water	Apr 1 - July 15	140	35	6	SENE, SWNE	46.97333448	-95.14855124	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters	
Hubbard	Crow Wing	07010106	5	HUC5098a1W	8/3/2013	967.7	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO					0.00	0.22	0.03	0.26	0.26	Public Water	Apr 1 - July 15	140	35	6	SENE, SWNE	46.97333448	-95.14855124	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with S1, S2, or S3 Native Plant Communities	
Hubbard	Crow Wing	07010106	5	HUC5098a1W	8/3/2013	967.7	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO					0.00	0.91	0.04	0.95	0.95	Public Water	Apr 1 - July 15	140	35	6	SENE, SWNE	46.97333448	-95.14855124	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters	
Hubbard	Crow Wing	07010106	5	HUC5099a1W	8/3/2013	968.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					16.63	0.02	0.00	0.02	0.02		Apr 1 - Jun 1	140	35	6	NESE	46.96049994	-95.14843633	Wetlands with S1, S2, or S3 Native Plant Communities	
Hubbard	Crow Wing	07010106	5	HUC5099c1W	8/3/2013	968.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO					0.00	0.09	0.00	0.09	0.09		Apr 1 - Jun 1	140	35	6	NESE, SESE	46.9679641	-95.14819949	Forested Seasonal Ponds, Wetlands with S1, S2, or S3 Native Plant Communities	
Hubbard	Crow Wing	07010106	5	HUC5099c1W	8/3/2013	968.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	72.46				72.46	0.00	0.06	0.07	0.07		Apr 1 - Jun 1	140	35	6	NESE, SESE	46.9679641	-95.14819949	Wetlands with S1, S2, or S3 Native Plant Communities	
Hubbard	Crow Wing	07010106	5	HUC5099e1W	8/3/2013	968.1	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM					0.00	0.00	0.00	0.00	0.00		Apr 1 - Jun 1	140	35	6	SESE	46.96723673	-95.1484281		
Hubbard	Crow Wing	07010106	5	HUC5099e1W	8/3/2013	968.1	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM					0.00	0.04	0.00	0.04	0.04		Apr 1 - Jun 1	140	35	6	SESE	46.96723673	-95.1484281		
Hubbard	Crow Wing	07010106	5	HUC5100a1W	8/1/2013	968.3	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	55.61				55.61	0.20	0.20	0.20	0.20		Apr 1 - Jun 1	140	35	7	NENE	46.96588319	-95.14792341	Wetlands with S1, S2, or S3 Native Plant Communities	
Hubbard	Crow Wing	07010106	5	HUC5100a1W	8/1/																							

Attachment D-1

Line 3 Replacement Project

Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Mitigation	Eggers & Reed *	Circular 39 *	Cowardin *	Bore Crossing Method Length (ft) b	HDD Crossing Method Length (ft) b	Push-Pull Crossing Method Length (ft) b	Standard Open Cut Crossing Method Length (ft) b	Total Crossing Length (ft) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Agency Designation	Construction Timing Restriction	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category *	
Hubbard	Crow Wing	07010106	5	HUC5179a1W	8/6/2013	985.4	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM		144.06				144.06	0.10		0.10		Apr 1 - Jun 15	139	34	31	NENE, NENW, NWNE	46.8198083	-95.02611326	Wetlands Hydrologically Connected to Wild Rice Waters	
Hubbard	Crow Wing	07010106	5	HUC5179a1W	8/6/2013	985.4	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM		777.97				777.97	0.55		0.55		Apr 1 - Jun 15	139	34	31	NENE, NENW, NWNE	46.8198083	-95.02611326	Wetlands Hydrologically Connected to Wild Rice Waters	
Hubbard	Crow Wing	07010106	5	HUC5179a1W	8/6/2013	985.4	4B - Coniferous Bog	Type 8 - Bog	PFO			3.81						3.81		Apr 1 - Jun 15	139	34	31	NENE, NENW, NWNE	46.8198083	-95.02611326	Wetlands Hydrologically Connected to Wild Rice Waters	
Hubbard	Crow Wing	07010106	5	HUC5179a1W	8/6/2013	985.4	4B - Coniferous Bog	Type 8 - Bog	PFO			1,107.75			1,107.75			0.76	0.76	Apr 1 - Jun 15	139	34	31	NENE, NENW, NWNE	46.8198083	-95.02611326	Wetlands Hydrologically Connected to Wild Rice Waters	
Hubbard	Crow Wing	07010106	5	HUC5179a1W	8/6/2013	985.4	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS				1,053.10		1,053.10			0.72	0.72	Apr 1 - Jun 15	139	34	31	NENE, NENW, NWNE	46.8198083	-95.02611326	Wetlands Hydrologically Connected to Wild Rice Waters	
Hubbard	Crow Wing	07010106	5	HUC5179a1W	8/6/2013	985.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO					19.06				0.00	0.00	Apr 1 - Jun 15	139	34	31	NENE, NENW, NWNE	46.8198083	-95.02611326	Forested Seasonal Ponds, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with S1, S2, or S3 Native Plant Communities	
Hubbard	Crow Wing	07010106	5	HUC5179a1W	8/6/2013	985.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO					24.95				0.02	0.02	Apr 1 - Jun 15	139	34	31	NENE, NENW, NWNE	46.8198083	-95.02611326	Wetlands Hydrologically Connected to Wild Rice Waters	
Hubbard	Crow Wing	07010106	5	HUC5179a1W	8/6/2013	985.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO					66.74				0.05	0.05	Apr 1 - Jun 15	139	34	31	NENE, NENW, NWNE	46.8198083	-95.02611326	Wetlands Hydrologically Connected to Wild Rice Waters	
Hubbard	Crow Wing	07010106	5	HUC5183a1W	8/5/2013	986.2	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM						0.00	0.01		0.01		Apr 1 - Jun 1	139	34	32	NWNE	46.81971073	-95.00644262		
Hubbard	Crow Wing	07010106	5	HUC5183a1W	8/5/2013	986.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM						0.00	0.11		0.11		Apr 1 - Jun 1	139	34	32	NWNE	46.81970227	-95.00298348		
Hubbard	Crow Wing	07010106	5	w-139n34w32-bb	10/8/2019	985.5	8 - Seasonally Flooded Basin	Type 1 - Seasonally flooded basins or floodplains	PEM						0.00	0.00		0.00		Apr 1 - Jun 1	139	34	32	NESE	46.81246178	-95.00117592		
Hubbard	Crow Wing	07010106	5	HUC5184a1W	8/5/2013	987.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM						244.55	244.55		0.55	0.55	Apr 1 - Jun 1	139	34	33	NNNW, SWNW	46.81659577	-94.99125254		
Hubbard	Crow Wing	07010106	5	HUC5184a1W	8/5/2013	987.1	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS						207.32	0.16		0.24		Apr 1 - Jun 1	139	34	33	NNNW, SWNW	46.81656277	-94.99125254		
Hubbard	Crow Wing	07010106	5	HUC5187b1W	8/5/2013	987.6	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM						0.00	0.01		0.01		Apr 1 - Jun 1	139	34	33	SWNE	46.81259688	-94.98304156		
Hubbard	Crow Wing	07010106	5	w-139n34w34-b	8/24/2020	988.1	3B - Fresh (wet) Meadow	Type 2 - Wet meadows	PEM						0.00	0.06		0.06		Apr 1 - Jun 1	139	34	34	NWSW	46.81238672	-94.97147725		
Hubbard	Crow Wing	07010106	5	w-139n34w34-a	8/24/2020	988.3	2A - Deep Marsh	Type 4 - Deep marshes	PEM						784.84	784.84		1.72	1.72	Public Water	Apr 1 - Jun 15	139	34	34	NESE, NWSW, SENW, SWNW	46.81241216	-94.96828398	
Hubbard	Crow Wing	07010106	5	w-139n34w34-a	8/24/2020	988.3	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS						78.26	78.26		0.10	0.09	1.72 Public Water	Apr 1 - Jun 15	139	34	34	NESE, NWSW, SENW, SWNW	46.81241216	-94.96828398	
Hubbard	Crow Wing	07010106	5	w-139n34w34-a	8/24/2020	988.3	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS						45.76	45.76		0.04	0.05	0.09 Public Water	Apr 1 - Jun 15	139	34	34	NESE, NWSW, SENW, SWNW	46.81241216	-94.96828398	
Wadena	Crow Wing	07010106	5	WA006a1W	9/8/2014	993.3	7 - Floodplain Forest	Type 1 - Seasonally Flooded Basin or Flat	PFO						0.00	0.00		0.00		Apr 1 - Jun 1	138	33	5	NESE	46.79472308	-94.87608739	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites	
Wadena	Crow Wing	07010106	5	WA006a1W	9/8/2014	993.3	7 - Floodplain Forest	Type 1 - Seasonally Flooded Basin or Flat	PFO					11.08				0.01	0.01	Apr 1 - Jun 1	138	33	5	NESE	46.79472308	-94.87608739	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities	
Wadena	Crow Wing	07010106	5	WA006b1W	9/8/2014	993.3	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS						138.83	138.83		0.10	0.10	Apr 1 - Jun 1	138	33	5	NESE	46.79475892	-94.87465863	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities	
Wadena	Crow Wing	07010106	5	WA006b1W	9/8/2014	993.3	7 - Floodplain Forest	Type 1 - Seasonally Flooded Basin or Flat	PFO					163.94				0.11	0.11	Apr 1 - Jun 1	138	33	5	NESE	46.79475892	-94.87465863	Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities	
Wadena	Crow Wing	07010106	5	WA015a1W	9/15/2014	994.5	4B - Coniferous Bog	Type 8 - Bog	PFO					678.21	678.21		1.10	0.78	1.88	Apr 1 - Jun 1	138	33	6	NESE, NWSW, SESE, SWSW	46.79388769	-94.85024997	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities	
Wadena	Crow Wing	07010106	5	WA015a1W	9/15/2014	994.5	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS						2.89	2.89		0.00	0.01	Apr 1 - Jun 1	138	33	6	NESE, NWSW, SESE, SWSW	46.79388769	-94.85024997	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities	
Wadena	Crow Wing	07010106	5	WA015a1W	9/15/2014	994.5	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS						624.30	624.30		1.08	0.71	1.80	Apr 1 - Jun 1	138	33	6	NESE, NWSW, SESE, SWSW	46.79388769	-94.85024997	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Wadena	Crow Wing	07010106	5	WA017a1W	9/13/2014	995.7	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PFO						89.06	89.06		0.16	0.16	Apr 1 - Jun 1	138	33	2	SWSW	46.79112321	-94.8260247		
Wadena	Crow Wing	07010106	5	WA017a1W	9/13/2014	995.7	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS						89.91	89.91		0.06	0.08	Apr 1 - Jun 1	138	33	2	SWSW	46.79112321	-94.8260247		
Wadena	Crow Wing	07010106	5	WA017a1W	9/13/2014	995.7	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS						74.72	74.72		0.07	0.08	Apr 1 - Jun 1	138	33	2	SWSW	46.79112321	-94.8260247	Wetlands with S1, S2, or S3 Native Plant Communities	
Wadena	Crow Wing	07010106	5	WA017b1W	9/13/2014	996.3	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM						54.35	54.35		0.15	0.15	Apr 1 - Jun 15	138	33	1, 2	SESE, SESW, SWSE, SWSW	46.7905258	-94.81367287	Wetlands with S1, S2, or S3 Native Plant Communities	
Wadena	Crow Wing	07010106	5	WA017b1W	9/13/2014	996.3	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM						3,411.75	3,411.75		7.35	7.35	Apr 1 - Jun 15	138	33	1, 2	SESE, SESW, SWSE, SWSW	46.7905258	-94.81367287	Wetlands with S1, S2, or S3 Native Plant Communities	
Wadena	Crow Wing	07010106	5	WA017b1W	9/13/2014	996.3	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS						181.92	181.92		0.10	0.20	Apr 1 - Jun 15	138	33	1, 2	SESE, SESW, SWSE, SWSW	46.7905258	-94.81367287	Wetlands with S1, S2, or S3 Native Plant Communities	
Wadena	Crow Wing	07010106	5	WA017b1W	9/13/2014	996.3	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS						346.93	346.93		0.29	0.40	Apr 1 - Jun 15	138	33	1, 2	SESE, SESW, SWSE, SWSW	46.7905258	-94.81367287	Wetlands with S1, S2, or S3 Native Plant Communities	
Wadena	Crow Wing	07010106	5	WA020a1W	9/12/2014	997.2	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM						0.00	0.05		0.05		Apr 1 - Jun 1	138	33	1	SWSE	46.7901334	-94.79346995		
Wadena	Crow Wing	07010106	5	WA021a1W	9/12/2014	997.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM						0.00	0.18		0.18		Apr 1 - Jun 1	138	33	1	SESE, SWSE	46.79009075	-94.78862288		
Wadena	Crow Wing	07010106	5	WA021a1W	9/12/2014	997.5	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS						888.07	888.07		0.64	0.76	Apr 1 - Jun 1	138	33	1	SESE, SWSE	46.79009075	-94.78862288		
Cass	Crow Wing	07010106	5	CAC5001_500a1W	9/19/2014	997.6	2A - Deep Marsh	Type 4 - Inland Deep Fresh Marsh	PEM						107.56	107.56		0.32	0.32	Apr 1 - Jun 1	138	32	6	SWSW	46.79005544	-94.78614343		
Cass	Crow Wing	07010106	5	CAC5001_500a1W	9/19/2014	997.6	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS						164.61	164.61		0.22	0.18	Apr 1 - Jun 1	138	32	6	SWSW	46.79005544	-94.78614343		
Cass	Crow Wing	07010106	5	CAC5001_510a1W	9/19/2014	998.4	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM						905.79	905.79		1.98	1.98	Apr 1 - Jun 15	138	32	6	SESE, SWSE	46.78988545	-94.77088839		
Cass	Crow Wing	07010106	5	CAC5001_510a1W	9/19/2014	998.4	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS						161.90	161.90		0.17	0.20	Apr 1 - Jun 15	138	32	6	SESE, SWSE	46.78988545	-94.77088839		
Cass	Crow Wing	07010106	5	CAC5001_510a1W	9/19/2014	998.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO						18.63	18.63		0.02	0.03	Apr 1 - Jun 15	138	32	6	SESE, SWSE	46.78988545	-94.77088839	Forested Seasonal Ponds	
Cass	Crow Wing	07010106	5	CAC5001_510a1W	9/19/2014	998.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO						880.59	880.59		0.97	0.98	Apr 1 - Jun 15	138	32	6	SESE, SWSE	46.78988545	-94.77088839	Forested Seasonal Ponds	
Cass	Crow Wing	07010106	5	CAC5001_520a1W	9/19/2014	998.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				</															

Attachment D-1

Line 3 Replacement Project

Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) #	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Mitigation	Eggers & Reed *	Circular 39 *	Cowardin *	Bore Crossing Method Length (ft) b	HDD Crossing Method Length (ft) b	Push-Pull Crossing Method Length (ft) b	Standard Open Cut Crossing Method Length (ft) b	Total Crossing Length (ft) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Agency Designation	Construction Timing Restriction	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category *
Cass	Pine	07010105	5	CA020w	9/19/2013	1006.6	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM					24.15	0.05			0.05		Apr 1 - Jun 1	138	31	9	NWSE	46.78025768	-94.60282737	
Cass	Pine	07010105	5	CA023w	9/20/2013	1006.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					0.00	0.01			0.01		Apr 1 - Jun 1	138	31	9	NESE	46.78037487	-94.60196754	
Cass	Pine	07010105	5	CA020w	9/20/2013	1006.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO					0.00	0.02			0.02		Apr 1 - Jun 1	138	31	9	NESE	46.78014142	-94.60086328	Forested Seasonal Ponds
Cass	Pine	07010105	5	CA020w	9/20/2013	1006.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					0.00	0.01			0.01		Apr 1 - Jun 1	138	31	9	NESE	46.78035956	-94.6005149	
Cass	Pine	07010105	5	CA020w	9/20/2013	1006.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					0.00	0.01			0.01		Apr 1 - Jun 1	138	31	9	NESE	46.78033768	-94.59933525	
Cass	Pine	07010105	5	CA020w	9/20/2013	1006.8	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM					14.42	0.06			0.06		Apr 1 - Jun 1	138	31	9	NESE	46.78013417	-94.5992113	
Cass	Pine	07010105	5	CA021W	9/20/2013	1006.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					14.42	0.03			0.03		Apr 1 - Jun 1	138	31	10	NWSW	46.78020196	-94.59921135	
Cass	Pine	07010105	5	CA021W	9/20/2013	1006.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					110.68	0.16			0.16		Apr 1 - Jun 1	138	31	10	NWSW	46.78020196	-94.59921135	Wetlands with S1, S2, or S3 Native Plant Communities
Cass	Pine	07010105	5	CA021w	9/20/2013	1007.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					32.90	0.03			0.03		Apr 1 - Jun 1	138	31	10	NWSW	46.78018512	-94.5948429	Wetlands with S1, S2, or S3 Native Plant Communities
Cass	Pine	07010105	5	CA021w	9/20/2013	1007.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO					1.92	1.92		0.01	0.03		Apr 1 - Jun 1	138	31	10	NWSW	46.78018512	-94.5948429	Wetlands with S1, S2, or S3 Native Plant Communities
Cass	Pine	07010105	5	CA021W	9/20/2013	1007.4	2A - Deep Marsh	Type 4 - Inland Deep Fresh Marsh	PUB					0.08	0.08			0.08		Apr 1 - Jun 1	138	31	10	NESE, NWSW	46.78149735	-94.58629767	
Cass	Pine	07010105	5	CA021W	9/20/2013	1007.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					205.42	0.28			0.28		Apr 1 - Jun 1	138	31	10	NESE, NWSW	46.78149735	-94.58629767	
Cass	Pine	07010105	5	CA021W	9/20/2013	1007.5	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM					0.00	0.02			0.02		Apr 1 - Jun 1	138	31	10	NWSE	46.78095415	-94.58452049	
Cass	Pine	07010105	5	CA021eW	9/20/2013	1007.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO					0.00	0.01		0.01	0.03		Apr 1 - Jun 1	138	31	10	NWSE	46.78103247	-94.58286969	
Cass	Pine	07010105	5	CA021eW	9/20/2013	1007.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO					0.00	0.03		0.01	0.04		Apr 1 - Jun 1	138	31	10	NWSE	46.78103247	-94.58286969	Forested Seasonal Ponds
Cass	Pine	07010105	5	CA021W	9/20/2013	1007.6	1 - Shallow, Open Water	Type 5 - Inland Open Fresh Water	PUB				101.85	101.85	0.21			0.21		Apr 1 - Jun 1	138	31	10	NESE, NWSW	46.7808937	-94.58146713	
Cass	Pine	07010105	5	CA021w	9/20/2013	1007.6	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM					90.35	0.21			0.21		Apr 1 - Jun 1	138	31	10	NESE, NWSW	46.7808937	-94.58146713	
Cass	Pine	07010105	5	CA021w	9/20/2013	1007.7	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM					90.35	0.03			0.03		Apr 1 - Jun 1	138	31	10	NESE	46.78081967	-94.57956867	
Cass	Pine	07010105	5	CA021w	9/20/2013	1007.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					0.00	0.00			0.00		Apr 1 - Jun 1	138	31	10	NESE, NWSW	46.7805396	-94.57608844	
Cass	Pine	07010105	5	CA021w	9/20/2013	1007.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO					0.00	0.01		0.00	0.01		Apr 1 - Jun 1	138	31	10	NESE, NWSW	46.7805396	-94.57608844	
Cass	Pine	07010105	5	CA021W	9/20/2013	1007.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO					96.16	0.01			0.01		Apr 1 - Jun 1	138	31	10	NESE, NWSW	46.7805396	-94.57608844	Forested Seasonal Ponds
Cass	Pine	07010105	5	CA022w	8/15/2013	1008.0	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM					0.00	0.04			0.04		Apr 1 - Jun 1	138	31	11	NWSW	46.78055277	-94.57442247	
Cass	Pine	07010105	5	CA022w	8/15/2013	1008.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO					52.05	0.14			0.16		Apr 1 - Jun 1	138	31	11	NWSW	46.78055277	-94.57442247	Forested Seasonal Ponds
Cass	Pine	07010105	5	CA022w	8/15/2013	1008.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO					117.21	0.25			0.18		Apr 1 - Jun 1	138	31	11	NWSW	46.78055277	-94.57442247	
Cass	Pine	07010105	5	CA022w	8/15/2013	1008.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					165.51	0.35			0.35		Apr 1 - Jun 1	138	31	11	NESE, NWSW	46.78054809	-94.57202837	
Cass	Pine	07010105	5	CA022w	8/15/2013	1008.1	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS					154.23	0.21			0.40		Apr 1 - Jun 1	138	31	11	NESE, NWSW	46.78054809	-94.57202837	
Cass	Pine	07010105	5	CA022w	8/15/2013	1008.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO					0.00	0.02		0.01	0.03		Apr 1 - Jun 1	138	31	11	NESE, NWSW	46.78054809	-94.57202837	Forested Seasonal Ponds
Cass	Pine	07010105	5	CA022w	8/15/2013	1008.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO					130.76	0.12		0.10	0.22		Apr 1 - Jun 1	138	31	11	NESE, NWSW	46.78054809	-94.57202837	
Cass	Pine	07010105	5	CA022w	8/15/2013	1008.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					21.17	0.05			0.05		Apr 1 - Jun 1	138	31	11	NESE	46.78048619	-94.5687122	Wetlands Hydrologically Connected to Trout Streams, Wetlands Hydrologically Connected to Wild Rice Waters
Cass	Pine	07010105	5	CA022w	8/15/2013	1008.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO					8.50	0.00		0.03	0.03		Apr 1 - Jun 1	138	31	11	NESE	46.78048619	-94.5687122	Wetlands Hydrologically Connected to Trout Streams, Wetlands Hydrologically Connected to Wild Rice Waters
Cass	Pine	07010105	5	CA022w	8/15/2013	1008.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO					53.64	0.05		0.04	0.09		Apr 1 - Jun 1	138	31	11	NESE	46.78048619	-94.5687122	Forested Seasonal Ponds, Wetlands Hydrologically Connected to Trout Streams, Wetlands Hydrologically Connected to Wild Rice Waters
Cass	Pine	07010105	5	CA022w	8/15/2013	1008.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					386.19	0.83			0.83		Apr 1 - Jun 15	138	31	11	NWSE	46.780461	-94.56392659	Wetlands Hydrologically Connected to Trout Streams, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with Known Occurrences of MDNR State-Listed Species
Cass	Pine	07010105	5	CA022w	8/15/2013	1008.5	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS					314.16	0.34		0.36	0.70		Apr 1 - Jun 15	138	31	11	NWSE	46.780461	-94.56392659	Wetlands Hydrologically Connected to Trout Streams, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with Known Occurrences of MDNR State-Listed Species
Cass	Pine	07010105	5	CA022w	8/15/2013	1008.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO					142.31	0.20		0.17	0.38		Apr 1 - Jun 15	138	31	11	NWSE	46.780461	-94.56392659	Wetlands Hydrologically Connected to Trout Streams, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with Known Occurrences of MDNR State-Listed Species
Cass	Pine	07010105	5	CA023aW	8/15/2013	1009.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					98.38	0.17			0.17		Apr 1 - Jun 1	138	31	11	NESE, NWSW, SESE, SWSW	46.7803589	-94.55380822	Wetlands Hydrologically Connected to Trout Streams, Wetlands Hydrologically Connected to Wild Rice Waters
Cass	Pine	07010105	5	CA023aW	8/15/2013	1009.0	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS					168.28	0.18		0.21	0.39		Apr 1 - Jun 1	138	31	11	NESE, NWSW, SESE, SWSW	46.7803589	-94.55380822	Wetlands Hydrologically Connected to Trout Streams, Wetlands Hydrologically Connected to Wild Rice Waters
Cass	Pine	07010105	5	CA023aW	8/15/2013	1009.0	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO					1,083.73	1.06		1.18	2.25		Apr 1 - Jun 1	138	31	11	NESE, NWSW, SESE, SWSW	46.7803589	-94.55380822	Wetlands Hydrologically Connected to Trout Streams, Wetlands Hydrologically Connected to Wild Rice Waters
Cass	Pine	07010105	5	CA024aW	8/15/2013	1009.3	1 - Shallow, Open Water	Type 5 - Inland Open Fresh Water	PUB					0.00	0.02			0.02		Apr 1 - Jun 1	138	31	12	SESW	46.78022041	-94.54644384	
Cass	Pine	07010105	5	CA024aW	8/15/2013	1009.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					58.81	0.06			0.06		Apr 1 - Jun 1	138	31	12	SESW	46.78022041	-94.54644384	
Cass	Pine	07010105	5	CA025a1W	8/15/2013	1009.7	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM					48.98	0.06			0.06		Apr 1 - Jun 1	138	31	12	SESE, SWSE	46.7801143	-94.53943399	
Cass	Pine	07010105	5	CA025a1W	8/15/2013	1009.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					107.76	0.09			0.09		Apr 1 - Jun 1	138	31	12	SESE, SWSE	46.7801143	-94.53943399	
Cass	Pine	07010105	5	CA025a1W	8/15/2013	1009.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					0.00	0.07			0.07		Apr 1 - Jun 1	138	31	12	NESE, SESE	46.78029222	-94.53749536	
Cass	Pine	07010105	5	CA027_200aW	8/15/2013	1010.1	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM					114.37	0.29			0.29		Apr 1 - Jun 1	138	30	7	SESW, SWSW	46.78011723	-94.52970774	
Cass	Pine	07010105	5	CA027_200aW	8/15/2013	1010.1	5B - Alder Thicket	Type 6 - Shrub Swamp																			

Attachment D-1

Line 3 Replacement Project

Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Mitigation	Eggers & Reed *	Circular 39 *	Cowardin *	Bore Crossing Method Length (ft) b	HDD Crossing Method Length (ft) b	Push-Pull Crossing Method Length (ft) b	Standard Open Cut Crossing Method Length (ft) b	Total Crossing Length (ft) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Agency Designation	Construction Timing Restriction	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category *
Cass	Pine	07010105	5	CA076cW	8/2/2013	1024.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.00	0.00	0.04	0.00	0.04	0.04	0.00	0.04	0.04	Apr 1 - Jun 1	139	28	32	SWNW	46.81305372	-94.25417059	Forested Seasonal Ponds	
Cass	Pine	07010105	5	CA077aW	8/2/2013	1024.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.00	0.00	0.01	0.00	0.01	0.01	0.00	0.01	0.01	Apr 1 - Jun 1	139	28	32	SENN	46.81305225	-94.25384352		
Cass	Pine	07010105	5	CA077cW	8/2/2013	1024.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	12.60	12.60	0.02	0.00	0.02	0.02	0.00	0.02	0.02	Apr 1 - Jun 1	139	28	32	SENN	46.81508661	-94.25177666		
Cass	Pine	07010105	5	CA077bW	8/2/2013	1024.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	95.59	95.59	0.21	0.00	0.21	0.21	0.00	0.21	0.21	Apr 1 - Jun 1	139	28	32	SENN	46.81538062	-94.25160222		
Cass	Pine	07010105	5	CA077aW	8/2/2013	1024.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	40.16	40.16	0.03	0.00	0.03	0.03	0.00	0.03	0.03	Apr 1 - Jun 1	139	28	32	NENW, SENW	46.81585692	-94.25083502		
Cass	Pine	07010105	5	CA078aW	8/2/2013	1024.9	6A - Hardwood Swamp	Type 2 - Wooded Swamp	PEM	728.45	728.45	1.64	0.00	1.64	1.64	0.00	1.64	1.64	Apr 1 - Jun 1	139	28	32	NENW, NNWNE	46.81725311	-94.24918685		
Cass	Pine	07010105	5	CA079aW	8/2/2013	1025.1	6A - Hardwood Swamp	Type 2 - Wooded Swamp	PFO	87.62	87.62	0.07	0.00	0.07	0.07	0.00	0.07	0.07	Apr 1 - Jun 1	139	28	32	NNNE	46.81885427	-94.24712176	Forested Seasonal Ponds	
Cass	Pine	07010105	5	CA079bW	8/2/2013	1025.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.00	0.00	0.01	0.00	0.01	0.01	0.00	0.01	0.01	Apr 1 - Jun 1	139	28	32	NNNE	46.81906611	-94.24659801		
Cass	Pine	07010105	5	CA080fW	7/31/2013	1025.2	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.00	0.00	0.05	0.00	0.05	0.05	0.00	0.05	0.05	Apr 1 - Jun 1	139	28	29	SWSE	46.81964383	-94.24629891		
Cass	Pine	07010105	5	CA080aW	7/31/2013	1025.2	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	79.24	79.24	0.09	0.00	0.09	0.09	0.00	0.09	0.09	Apr 1 - Jun 1	139	28	29	SWSE	46.82027668	-94.24524001		
Cass	Pine	07010105	5	CA080aW	7/31/2013	1025.2	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	77.16	77.16	0.19	0.00	0.19	0.19	0.00	0.19	0.19	Apr 1 - Jun 1	139	28	29	SWSE	46.82027668	-94.24524001		
Cass	Pine	07010105	5	CA082aW	7/31/2013	1025.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	1,132.85	1,132.85	2.61	0.00	2.61	2.61	0.00	2.61	2.61	Apr 1 - Jun 1	139	28	29	NESE, SESE	46.82314727	-94.24156196		
Cass	Pine	07010105	5	CA082aW	7/31/2013	1025.5	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	144.28	144.28	0.01	0.00	0.01	0.01	0.00	0.01	0.01	Apr 1 - Jun 1	139	28	29	NESE, SESE	46.82314727	-94.24156196		
Cass	Pine	07010105	5	CA082aW	7/31/2013	1025.5	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	13.93	13.93	0.02	0.00	0.02	0.02	0.00	0.02	0.02	Apr 1 - Jun 1	139	28	29	NESE, SESE	46.82314727	-94.24156196		
Cass	Pine	07010105	5	CA082aW	7/31/2013	1025.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.00	0.00	0.04	0.00	0.04	0.04	0.00	0.04	0.04	Apr 1 - Jun 1	139	28	29	NESE, SESE	46.82314727	-94.24156196		
Cass	Pine	07010105	5	CA083aW	7/31/2013	1025.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.00	0.00	0.04	0.00	0.04	0.04	0.00	0.04	0.04	Apr 1 - Jun 1	139	28	28	NNSW	46.82692339	-94.23729177		
Cass	Pine	07010105	5	CA082aW	7/31/2013	1025.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.00	0.00	0.02	0.00	0.02	0.02	0.00	0.02	0.02	Apr 1 - Jun 1	139	28	28	NNSW, SWNW	46.82692339	-94.23688496		
Cass	Pine	07010105	5	CA082aW	7/31/2013	1025.8	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	153.71	153.71	0.17	0.00	0.17	0.17	0.00	0.17	0.17	Apr 1 - Jun 1	139	28	28	NNSW, SWNW	46.82692339	-94.23688496		
Cass	Pine	07010105	5	CA082aW	7/31/2013	1025.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.00	0.00	0.03	0.00	0.03	0.03	0.00	0.03	0.03	Apr 1 - Jun 1	139	28	28	NNSW, SWNW	46.82692339	-94.23688496	Forested Seasonal Ponds	
Cass	Pine	07010105	5	CA082aW	7/31/2013	1025.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	8.27	8.27	0.05	0.00	0.05	0.05	0.00	0.05	0.05	Apr 1 - Jun 1	139	28	28	NNSW, SWNW	46.82692339	-94.23688496	Forested Seasonal Ponds	
Cass	Pine	07010105	5	CA084cW	8/1/2013	1025.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Apr 1 - Jun 1	139	28	28	SWNW	46.82809882	-94.2352782		
Cass	Pine	07010105	5	CA084cW	8/1/2013	1025.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.00	0.00	0.05	0.00	0.05	0.05	0.00	0.05	0.05	Apr 1 - Jun 1	139	28	28	SWNW	46.82809882	-94.2352782	Forested Seasonal Ponds	
Cass	Pine	07010105	5	CA084W	8/1/2013	1026.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.37	0.37	0.00	0.00	0.37	0.37	0.00	0.37	0.37	Apr 1 - Jun 1	139	28	28	SENN, SWNW	46.82972228	-94.2330929		
Cass	Pine	07010105	5	CA084W	8/1/2013	1026.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	10.25	10.25	0.05	0.00	0.05	0.05	0.00	0.05	0.05	Apr 1 - Jun 1	139	28	28	SENN, SWNW	46.82972228	-94.2330929	Forested Seasonal Ponds	
Cass	Pine	07010105	5	CA085cW	8/30/2013	1026.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	232.13	232.13	0.47	0.00	0.47	0.47	0.00	0.47	0.47	Apr 1 - Jun 1	139	28	28	NNNE	46.83206374	-94.22911352		
Cass	Pine	07010105	5	CA085cW	8/30/2013	1026.4	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	249.25	249.25	0.26	0.00	0.26	0.26	0.00	0.26	0.26	Apr 1 - Jun 1	139	28	28	NNNE	46.83096374	-94.22671352		
Cass	Pine	07010105	5	CA087aW	8/1/2013	1026.8	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	122.59	122.59	0.03	0.00	0.03	0.03	0.00	0.03	0.03	Apr 1 - Jun 1	139	28	28	NENE	46.83092293	-94.21815885		
Cass	Pine	07010105	5	CA087aW	8/1/2013	1026.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.00	0.00	0.12	0.00	0.12	0.12	0.00	0.12	0.12	Apr 1 - Jun 1	139	28	28	NENE	46.83092293	-94.21815885		
Cass	Pine	07010105	5	CA088bW	8/1/2013	1027.1	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.00	0.00	0.02	0.00	0.02	0.02	0.00	0.02	0.02	Apr 1 - Jun 1	139	28	27	NNNW	46.83098075	-94.21447791		
Cass	Pine	07010105	5	CA088bW	8/1/2013	1027.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.00	0.00	0.04	0.00	0.04	0.04	0.00	0.04	0.04	Apr 1 - Jun 1	139	28	27	NENW, NNW	46.83086037	-94.21205768		
Cass	Pine	07010105	5	CA088cW	8/1/2013	1027.1	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	133.33	133.33	0.06	0.00	0.06	0.06	0.00	0.06	0.06	Apr 1 - Jun 1	139	28	27	NENW, NNW	46.83086037	-94.21205768		
Cass	Pine	07010105	5	CA089aW	8/2/2013	1027.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	76.20	76.20	0.28	0.00	0.28	0.28	0.00	0.28	0.28	Apr 1 - Jun 1	139	28	27	NENW	46.83090261	-94.21061518		
Cass	Pine	07010105	5	CA089aW	8/2/2013	1027.2	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Apr 1 - Jun 1	139	28	27	NENW	46.83090261	-94.21061518		
Cass	Pine	07010105	5	CA089_300a1W	7/15/2014	1027.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	2.86	2.86	0.00	0.00	2.86	2.86	0.00	2.86	2.86	Apr 1 - Jun 1	139	28	27	NENW, SWNE	46.82975995	-94.20657778		
Cass	Pine	07010105	5	CA089_300a1W	7/15/2014	1027.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	40.89	40.89	0.02	0.00	0.02	0.02	0.00	0.02	0.02	Apr 1 - Jun 1	139	28	27	SENN, SWNE	46.82975995	-94.20657778	Forested Seasonal Ponds	
Cass	Pine	07010105	5	CA091g1W	7/15/2014	1027.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Apr 1 - Jun 1	139	28	27	SWNE	46.82984725	-94.20609725		
Cass	Pine	07010105	5	CA091g1W	7/15/2014	1027.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.00	0.00	0.01	0.00	0.01	0.01	0.00	0.01	0.01	Apr 1 - Jun 1	139	28	27	SENE, SWNE	46.82972585	-94.20114564		
Cass	Pine	07010105	5	CA091g1W	7/15/2014	1027.7	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	191.90	191.90	0.15	0.00	0.15	0.15	0.00	0.15	0.15	Apr 1 - Jun 1	139	28	27	SENE, SWNE	46.82972585	-94.20114564		
Cass	Pine	07010105	5	CA091g1W	7/15/2014	1027.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.00	0.00	0.01	0.00	0.01	0.01	0.00	0.01	0.01	Apr 1 - Jun 1	139	28	27	SENE, SWNE	46.82972585	-94.20114564	Forested Seasonal Ponds	
Cass	Pine	07010105	5	CA091_300c1W	7/15/2014	1027.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	39.16	39.16	0.01	0.00	0.01	0.01	0.00	0.01	0.01	Apr 1 - Jun 1	139	28	27	SENE, SWNE	46.82972585	-94.20114564		
Cass	Pine	07010105	5	CA091_300c1W	7/15/2014	1027.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	69.62	69.62	0.02	0.00	0.02	0.02	0.00	0.02	0.02	Apr 1 - Jun 1	139	2						

Attachment D-1
Line 3 Replacement Project
Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Mitigation	Eggers & Reed *	Circular 39 *	Cowardin *	Bore Crossing Method Length (ft) b	HDD Crossing Method Length (ft) b	Push-Pull Crossing Method Length (ft) b	Standard Open Cut Crossing Method Length (ft) b	Total Crossing Length (ft) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Agency Designation	Construction Timing Restriction	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category *
Cass	Pine	07010105	5	CA1144w	7/23/2013	1032.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO					19.23	19.23	0.06	0.03	0.09		Apr 1 - Jun 1	139	27	21	NENW	46.84571723	-94.10706456	
Cass	Pine	07010105	5	CA1144w	7/23/2013	1032.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO					55.06	55.06	0.02	0.06	0.07		Apr 1 - Jun 1	139	27	21	NENW	46.84571723	-94.10706456	Forested Seasonal Ponds
Cass	Pine	07010105	5	CA1144w	7/23/2013	1032.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					0.00	0.00	0.00	0.00	0.00		Apr 1 - Jun 1	139	27	21	NENW	46.84586431	-94.10344232	
Cass	Pine	07010105	5	CA1144w	7/23/2013	1032.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PEM					2.47	2.47	0.00	0.00	0.00		Apr 1 - Jun 1	139	27	21	NENW	46.84586431	-94.10344232	
Cass	Pine	07010105	5	CA1144w	7/23/2013	1032.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO					15.98	15.98	0.01	0.01	0.03		Apr 1 - Jun 1	139	27	21	NENW	46.84586431	-94.10344232	Forested Seasonal Ponds
Cass	Pine	07010105	5	CA1155w	8/17/2013	1032.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					169.03	169.03	0.00	0.34	0.34		Apr 1 - Jun 1	139	27	21	NWNE	46.84582169	-94.10091804	
Cass	Pine	07010105	5	CA1155w	8/17/2013	1032.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO					0.00	0.00	0.07	0.02	0.08		Apr 1 - Jun 1	139	27	21	NWNE	46.84582169	-94.10091804	
Cass	Pine	07010105	5	CA1155w	7/24/2013	1033.0	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS					0.00	0.00	0.00	0.00	0.00		Apr 1 - Jun 1	139	27	21	NWNE	46.8458315	-94.10004349	
Cass	Pine	07010105	5	CA1155w	8/17/2013	1033.0	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PSS					0.00	0.00	0.07	0.07	0.07		Apr 1 - Jun 1	139	27	21	NWNE	46.84579675	-94.09802588	
Cass	Pine	07010105	5	CA1155w	8/17/2013	1033.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					0.00	0.00	0.07	0.07	0.07		Apr 1 - Jun 1	139	27	21	NWNE	46.84579675	-94.09802588	
Cass	Pine	07010105	5	CA1155w	8/17/2013	1033.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO					0.00	0.00	0.04	0.01	0.06		Apr 1 - Jun 1	139	27	21	NWNE	46.84579675	-94.09802588	
Cass	Pine	07010105	5	CA1155w	8/17/2013	1033.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO					122.07	122.07	0.12	0.08	0.20		Apr 1 - Jun 1	139	27	21	NWNE	46.84579675	-94.09802588	Forested Seasonal Ponds
Cass	Pine	07010105	5	CA1164w	8/17/2013	1033.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO					0.00	0.00	0.00	0.00	0.00		Apr 1 - Jun 1	139	27	21	NENE	46.84666251	-94.09197114	Forested Seasonal Ponds
Cass	Pine	07010105	5	CA1164w	8/17/2013	1033.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO					0.00	0.00	0.00	0.00	0.00		Apr 1 - Jun 1	139	27	21	NENE	46.84666251	-94.09197114	Forested Seasonal Ponds
Cass	Pine	07010105	5	CA117_200bW	8/9/2013	1033.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO					0.00	0.00	0.00	0.00	0.00		Apr 1 - Jun 1	139	27	15	SWSW	46.84752874	-94.08868951	Forested Seasonal Ponds
Cass	Pine	07010105	5	CA117_200w	8/9/2013	1033.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO					0.00	0.00	0.00	0.00	0.00		Apr 1 - Jun 1	139	27	15	SWSW	46.84802035	-94.08868951	Wetlands with Known Occurrences of MDNR State-Listed Species
Cass	Pine	07010105	5	CA117_200dW	8/9/2013	1033.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO					0.00	0.00	0.02	0.01	0.04		Apr 1 - Jun 1	139	27	15	SWSW	46.84802035	-94.08868951	Wetlands with Known Occurrences of MDNR State-Listed Species
Cass	Pine	07010105	5	CA118_200aW	8/9/2013	1033.7	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS					58.60	58.60	0.06	0.07	0.13		Apr 1 - Jun 1	139	27	15	SESW	46.84729497	-94.08610106	
Cass	Pine	07010105	5	CA118_200cW	8/9/2013	1033.7	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS					41.82	41.82	0.02	0.04	0.06		Apr 1 - Jun 1	139	27	15	SESW	46.84729497	-94.08610106	
Cass	Pine	07010105	5	CA118_200dW	8/13/2013	1034.0	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM					401.47	401.47	0.78	0.08	0.78		Apr 1 - Jun 1	139	27	15	SESE, SESW, SWSE	46.84779593	-94.07935715	
Cass	Pine	07010105	5	CA118_200dW	8/13/2013	1034.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO					122.25	122.25	0.08	0.20	0.20		Apr 1 - Jun 1	139	27	15	SESE, SESW, SWSE	46.84779593	-94.07935715	Forested Seasonal Ponds
Cass	Pine	07010105	5	CA118_200dW	8/13/2013	1034.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO					271.90	271.90	0.41	0.36	0.77		Apr 1 - Jun 1	139	27	15	SESE, SESW, SWSE	46.84779593	-94.07935715	
Cass	Pine	07010105	5	CA120_200bW	8/13/2013	1034.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO					82.77	82.77	0.08	0.09	0.17		Apr 1 - Jun 1	139	27	14	SESE	46.84730431	-94.0730431	Forested Seasonal Ponds
Cass	Pine	07010105	5	CA120_200bW	8/13/2013	1034.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PEM					294.75	294.75	0.36	0.40	0.76		Apr 1 - Jun 1	139	27	15	SESE	46.84779675	-94.0730431	
Cass	Pine	07010105	5	CA121_200aW	8/12/2013	1034.5	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM					333.44	333.44	0.73	0.19	0.73		Apr 1 - Jun 1	139	27	14	SWSW	46.84783015	-94.06772946	
Cass	Pine	07010105	5	CA122_200aW	8/12/2013	1034.7	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM					358.89	358.89	0.77	0.27	0.77		Apr 1 - Jun 1	139	27	14	SESW	46.84769194	-94.06328858	
Cass	Pine	07010105	5	CA122_200aW	8/12/2013	1034.7	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM					38.28	38.28	0.12	0.12	0.24		Apr 1 - Jun 1	139	27	14	SESW	46.84769194	-94.06328858	Forested Seasonal Ponds
Cass	Pine	07010105	5	CA122_200aW	8/12/2013	1034.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO					47.01	47.01	0.02	0.04	0.06		Apr 1 - Jun 1	139	27	14	SESW	46.84769194	-94.06328858	
Cass	Pine	07010105	5	CA123_200aW	8/12/2013	1034.9	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM					250.51	250.51	0.56	0.56	0.56		Apr 1 - Jun 1	139	27	14	SESW, SWSE	46.84756759	-94.06012553	
Cass	Pine	07010105	5	CA123_200aW	8/12/2013	1034.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO					72.31	72.31	0.09	0.13	0.22		Apr 1 - Jun 1	139	27	14	SESW, SWSE	46.84756759	-94.06012553	Forested Seasonal Ponds
Cass	Pine	07010105	5	CA123_200aW	8/12/2013	1034.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO					82.41	82.41	0.04	0.04	0.08		Apr 1 - Jun 1	139	27	14	SESW, SWSE	46.84756759	-94.06012553	
Cass	Pine	07010105	5	CA124_200aW	8/12/2013	1035.1	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS					492.49	492.49	0.49	0.56	1.05		Apr 1 - Jun 1	139	27	14	SESE, SWSE	46.84737761	-94.05528236	
Cass	Pine	07010105	5	CA124_200aW	8/12/2013	1035.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO					14.03	14.03	0.04	0.05	0.09		Apr 1 - Jun 1	139	27	14	SESE, SWSE	46.84737761	-94.05528236	
Cass	Pine	07010105	5	CA124_200dW	8/12/2013	1035.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO					41.59	41.59	0.02	0.05	0.07		Apr 1 - Jun 1	139	27	14	SESE, SWSE	46.84737761	-94.05528236	Forested Seasonal Ponds
Cass	Pine	07010105	5	CA124_200cW	8/9/2013	1035.3	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM					63.37	63.37	0.11	0.11	0.22		Apr 1 - Jun 1	139	27	14	SESE	46.84724828	-94.05270453	
Cass	Pine	07010105	5	CA124_200dW	8/9/2013	1035.3	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM					151.95	151.95	0.30	0.30	0.30		Apr 1 - Jun 1	139	27	14	SESE	46.84721112	-94.05179552	
Cass	Pine	07010105	5	CA124_200aW	8/9/2013	1035.4	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM					63.41	63.41	0.09	0.09	0.27		Apr 1 - Jun 1	139	27	14	SESE	46.84723036	-94.05065401	
Cass	Pine	07010105	5	CA124_200aW	8/9/2013	1035.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO					0.00	0.00	0.01	0.00	0.01		Apr 1 - Jun 1	139	27	14	SESE	46.84723036	-94.05065401	Forested Seasonal Ponds
Cass	Pine	07010105	5	CA124_200aW	8/9/2013	1035.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO					0.00	0.00	0.01	0.00	0.01		Apr 1 - Jun 1	139	27	14	SESE	46.84723036	-94.05065401	
Cass	Pine	07010105	5	CA125_200aW	8/9/2013	1035.5	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM					137.22	137.22	0.32	0.32	0.32		Apr 1 - Jun 1	139	27	13	SWSW	46.84715851	-94.04721126	
Cass	Pine	07010105	5	CA126_200aW	8/9/2013	1035.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					44.92	44.92	0.20	0.20	0.20		Apr 1 - Jun 1	139	27	13	SESW	46.84708909	-94.04365138	
Cass	Pine	07010105	5	CA126_200aW	8/9/2013	1035.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					287.68	287.68	0.58	0.58	0.58		Apr 1 - Jun 1	139	27	14	SESW	46.84708909	-94.04365138	
Cass	Pine	07010105	5	CA127bW	8/9/2013	1035.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					142.54	142.54	0.29</											

Attachment D-1

Line 3 Replacement Project

Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) #	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed *	Circular 39 *	Cowardin *	Bore Crossing Method Length (ft) b	HDD Crossing Method Length (ft) b	Push-Pull Crossing Method Length (ft) b	Standard Open Cut Crossing Method Length (ft) b	Total Crossing Length (ft) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Agency Designation	Construction Timing Restriction	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category *
Cass	Pine	07010105	5	CA153bW	9/5/2019	1042.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				113.61	113.61		0.11		0.11		Apr 1 - Jun 1	139	26	11, 12	NESE, NWSW, SESE, SWSW	46.86495162	-93.92321246	Wetlands with S1, S2, or S3 Native Plant Communities
Cass	Pine	07010105	5	CA153bW	9/5/2019	1042.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				837.89	837.89	1.01	0.95	1.96		Apr 1 - Jun 1	139	26	11, 12	NESE, NWSW, SESE, SWSW	46.86495162	-93.92321246	Wetlands with S1, S2, or S3 Native Plant Communities	
Cass	Pine	07010105	5	CA155eW	7/16/2013	1042.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PEM					0.00	0.09	0.01	0.10		Apr 1 - Jun 1	139	26	12	NWSW	46.86517239	-93.92060098	Forested Seasonal Ponds, Wetlands with S1, S2, or S3 Native Plant Communities	
Cass	Pine	07010105	5	CA155eW	7/26/2013	1042.6	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM				63.74	63.74	0.18	0.18	0.18		Apr 1 - Jun 1	139	26	12	NESE, NWSW	46.86524725	-93.91767807	Wetlands with S1, S2, or S3 Native Plant Communities	
Cass	Pine	07010105	5	CA155eW	7/26/2013	1042.8	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM				341.35	341.35	0.66	0.66	0.66		Apr 1 - Jun 1	139	26	12	NESE, NWSW	46.86524725	-93.91767807	Wetlands with S1, S2, or S3 Native Plant Communities	
Cass	Pine	07010105	5	CA155aW	7/26/2013	1042.8	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM				0.00	0.00	0.02	0.02	0.02		Apr 1 - Jun 1	139	26	12	NWSW	46.86514624	-93.91389067	Wetlands with S1, S2, or S3 Native Plant Communities	
Cass	Pine	07010105	5	CA155aW	7/26/2013	1042.8	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM				446.27	446.27	0.99	0.99	0.99		Apr 1 - Jun 1	139	26	12	NESE, NWSW	46.86514624	-93.91389067	Wetlands with S1, S2, or S3 Native Plant Communities	
Cass	Pine	07010105	5	CA155aW	7/26/2013	1042.8	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS				23.45	23.45	0.03	0.03	0.03		Apr 1 - Jun 1	139	26	12	NWSW	46.86514624	-93.91389067	Wetlands with S1, S2, or S3 Native Plant Communities	
Cass	Pine	07010105	5	CA155aW	7/26/2013	1042.8	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS				75.69	75.69	0.05	0.05	0.05		Apr 1 - Jun 1	139	26	12	NESE, NWSW	46.86514624	-93.91389067	Wetlands with S1, S2, or S3 Native Plant Communities	
Cass	Pine	07010105	5	CA155kW	7/26/2013	1043.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				0.00	0.00	0.02	0.02	0.02		Apr 1 - Jun 1	139	26	12	NWSE	46.86511494	-93.91016498	Wetlands with S1, S2, or S3 Native Plant Communities	
Cass	Pine	07010105	5	CA155kW	7/26/2013	1043.0	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS				197.54	197.54	0.21	0.23	0.44		Apr 1 - Jun 1	139	26	12	NWSE	46.86511494	-93.91016498	Wetlands with S1, S2, or S3 Native Plant Communities	
Cass	Pine	07010105	5	CA155kW	7/27/2013	1043.1	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM				0.00	0.00	0.00	0.00	0.00		Apr 1 - Jun 1	139	26	12	NESE, NWSW	46.86514308	-93.908047	Wetlands with S1, S2, or S3 Native Plant Communities	
Cass	Pine	07010105	5	CA155kW	7/27/2013	1043.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				0.00	0.00	0.01	0.01	0.01		Apr 1 - Jun 1	139	26	12	NESE, NWSW	46.86514308	-93.908047	Wetlands with S1, S2, or S3 Native Plant Communities	
Cass	Pine	07010105	5	CA155kW	7/27/2013	1043.1	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS				37.17	37.17	0.02	0.03	0.05		Apr 1 - Jun 1	139	26	12	NESE, NWSW	46.86514308	-93.908047	Wetlands with S1, S2, or S3 Native Plant Communities	
Cass	Pine	07010105	5	CA155gW	7/28/2016	1043.2	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM				196.64	196.64	0.60	0.60	0.60		Apr 1 - Jun 1	139	26	12	NESE, NWSW, NWSE	46.86535112	-93.9080487	Wetlands with S1, S2, or S3 Native Plant Communities	
Cass	Pine	07010105	5	CA155gW	7/27/2013	1043.3	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM				506.03	506.03	1.05	1.05	1.05		Apr 1 - Jun 1	139	25, 26	7, 12	NESE, NWSW	46.8652467	-93.902553	Wetlands with S1, S2, or S3 Native Plant Communities	
Cass	Pine	07010105	5	CA155aW	7/29/2013	1043.4	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM				0.00	0.00	0.01	0.01	0.01		Apr 1 - Jun 1	139	25	7	NWSW	46.86512848	-93.90124398	Wetlands with S1, S2, or S3 Native Plant Communities	
Cass	Pine	07010105	5	CA156aW	7/29/2013	1043.4	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS				120.07	120.07	0.24	0.13	0.37		Apr 1 - Jun 1	139	25	7	NWSW	46.86512848	-93.90124398	Wetlands with S1, S2, or S3 Native Plant Communities	
Cass	Pine	07010105	5	CA156bW	7/29/2013	1043.6	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM				65.31	65.31	0.17	0.17	0.17		Apr 1 - Jun 1	139	25	7	NWSW	46.8651759	-93.89770981	Wetlands with S1, S2, or S3 Native Plant Communities	
Cass	Pine	07010105	5	CA156bW	7/29/2013	1043.6	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS				30.71	30.71	0.07	0.03	0.10		Apr 1 - Jun 1	139	25	7	NWSW	46.8651759	-93.89770981	Wetlands with S1, S2, or S3 Native Plant Communities	
Cass	Pine	07010105	5	CA156cW	7/29/2013	1043.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				70.62	70.62	0.07	0.07	0.07		Apr 1 - Jun 1	139	25	7	NESE, NWSW	46.86511848	-93.89608996	Wetlands with S1, S2, or S3 Native Plant Communities	
Cass	Pine	07010105	5	CA156cW	7/30/2013	1044.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				678.42	678.42	1.19	1.19	1.19		Apr 1 - Jun 15	139	25	7	NESE, NWSW	46.86529012	-93.8900025	Forested Seasonal Ponds	
Cass	Pine	07010105	5	CA156eW	7/30/2013	1044.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				122.60	122.60	0.13	0.14	0.27		Apr 1 - Jun 15	139	25	7	NESE, NWSW	46.86529012	-93.8900025	Forested Seasonal Ponds	
Cass	Pine	07010105	5	CA156eW	7/30/2013	1044.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				192.43	192.43	0.47	0.24	0.71		Apr 1 - Jun 15	139	25	7	NESE, NWSW	46.86529012	-93.8900025	Forested Seasonal Ponds	
Cass	Pine	07010105	5	CA156gW	7/30/2013	1044.2	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS				373.16	373.16	0.02	0.35	0.37		Apr 1 - Jun 1	139	25	7	NESE	46.86540124	-93.88508815	Forested Seasonal Ponds	
Cass	Pine	07010105	5	CA156gW	7/30/2013	1044.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				0.00	0.00	0.02	0.02	0.02		Apr 1 - Jun 1	139	25	7	NESE	46.86540124	-93.88508815	Forested Seasonal Ponds	
Cass	Pine	07010105	5	CA156gW	7/30/2013	1044.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				0.00	0.00	0.27	0.33	0.27		Apr 1 - Jun 1	139	25	7	NESE	46.86540124	-93.88508815	Forested Seasonal Ponds	
Cass	Pine	07010105	5	CA156kW	7/30/2013	1044.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				64.96	64.96	0.14	0.14	0.14		Apr 1 - Jun 1	139	25	7	NESE	46.86516848	-93.88295364	Wetlands with S1, S2, or S3 Native Plant Communities	
Cass	Pine	07010105	5	CA157aW	7/31/2013	1044.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				0.00	0.00	0.02	0.02	0.02		Apr 1 - Jun 1	139	25	7, 8	NESE, NWSW	46.86529507	-93.88129943	Wetlands with S1, S2, or S3 Native Plant Communities	
Cass	Pine	07010105	5	CA157aW	7/31/2013	1044.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				28.13	28.13	0.00	0.03	0.03		Apr 1 - Jun 1	139	25	7, 8	NESE, NWSW	46.86529507	-93.88129943	Wetlands with S1, S2, or S3 Native Plant Communities	
Cass	Pine	07010105	5	CA157aW	7/31/2013	1044.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				122.46	122.46	0.08	0.12	0.20		Apr 1 - Jun 1	139	25	7, 8	NESE, NWSW	46.86529507	-93.88129943	Forested Seasonal Ponds	
Cass	Pine	07010105	5	CA157cW	7/31/2013	1044.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				122.62	122.62	0.38	0.28	0.66		Apr 1 - Jun 1	139	25	8	NESE, NWSW	46.86517676	-93.87551468	Forested Seasonal Ponds	
Cass	Pine	07010105	5	CA157cW	7/31/2013	1044.7	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS				713.77	713.77	0.93	0.70	1.64		Apr 1 - Jun 1	139	25	8	NESE, NWSW	46.86517676	-93.87551468	Forested Seasonal Ponds	
Cass	Pine	07010105	5	CA157hW	7/31/2013	1044.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				0.00	0.00	0.01	0.01	0.01		Apr 1 - Jun 1	139	25	8	NESE	46.86508373	-93.87099974	Wetlands with S1, S2, or S3 Native Plant Communities	
Cass	Pine	07010105	5	CA157hW	7/31/2013	1045.0	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM				64.02	64.02	0.10	0.10	0.10		Apr 1 - Jun 1	139	25	8	NWSE	46.86519831	-93.86677379	Wetlands with S1, S2, or S3 Native Plant Communities	
Cass	Pine	07010105	5	CA157hW	7/31/2013	1045.3	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM				0.00	0.00	0.02	0.02	0.02		Apr 1 - Jun 1	139	25	8	NWSE	46.86519831	-93.86677379	Wetlands with S1, S2, or S3 Native Plant Communities	
Cass	Pine	07010105	5	CA157hW	7/31/2013	1045.3	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM				0.00	0.00	0.02	0.02	0.02		Apr 1 - Jun 1	139	25	8	NWSE	46.86519831	-93.86677379	Wetlands with S1, S2, or S3 Native Plant Communities	
Cass	Pine	07010105	5	CA157hW	7/31/2013	1045.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				47.96	47.96	0.04	0.03	0.08		Apr 1 - Jun 1	139	25	8	NESE	46.86667928	-93.86305611	Forested Seasonal Ponds	
Cass	Pine	07010105	5	CA158aW	7/31/2013	1045.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				92.23	92.23	0.36	0.36	0.36		Apr 1 - Jun 15	139	25	8, 9	NENW, NESE, SENE, SENW, SNNW	46.8698597	-93.85665938	Forested Seasonal Ponds	
Cass	Pine	07010105	5	CA158aW	7/31/2013	1045.7	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS				0.00	0.00	0.07	0.07	0.07		Apr 1 - Jun 15	139	25	8, 9	NENW, NESE, SENE, SENW, SNNW	46.8698597	-93.85665938	Wetlands with S1, S2, or S3 Native Plant Communities	
Cass	Pine	07010105	5	CA158aW	7/31/2013	1045.7	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS				190.40	190.40	0.12	0.18	0.31		Apr 1 - Jun 15	139	25	8, 9	NENW, NESE, SENE, SENW, SNNW	46.8698597	-93.85665938	Wetlands with S1, S2, or S3 Native Plant Communities	
Cass	Pine	07010105	5	CA158aW	7/31/2013	1045.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO																		

**Attachment D-1
Line 3 Replacement Project
Mainline Wetland Impact Table**

County	Major Watershed	Hydrologic Unit Code (HUC) #	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed *	Circular 39 *	Cowardin *	Bore Crossing Method Length (ft) b	HDD Crossing Method Length (ft) b	Push-Pull Crossing Method Length (ft) b	Standard Open Cut Crossing Method Length (ft) b	Total Crossing Length (ft) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Agency Designation	Construction Timing Restriction	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category *	
Atkin	Prairie-Willow	07010103	5	A1002W	8/22/2013	1050.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				82.45	82.45	0.08	0.00	0.06	0.15		Apr 1 - Jun 1	51	27	26	NESE, NWSE, SWNE	46.87767176	-93.76878997	Wetlands Hydrologically Connected to Wild Rice Waters	
Atkin	Prairie-Willow	07010103	5	A1003W	8/21/2013	1050.2	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM						0.00	0.00		0.00		Apr 1 - Jun 1	51	27	26	NWSE	46.8775313	-93.76795534	Wetlands Hydrologically Connected to Wild Rice Waters	
Atkin	Prairie-Willow	07010103	5	A1003W	8/21/2013	1050.2	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS				132.08	132.08	0.12	0.15		0.27		Apr 1 - Jun 1	51	27	26	NWSE	46.8775313	-93.76795534	Wetlands Hydrologically Connected to Wild Rice Waters	
Atkin	Prairie-Willow	07010103	5	A1003W	8/21/2013	1050.4	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM				155.56	155.56	0.27	0.27		0.54		Apr 1 - Jun 1	51	27	26	NESE	46.8772804	-93.76538317	Wetlands Hydrologically Connected to Wild Rice Waters	
Atkin	Prairie-Willow	07010103	5	A1004W	8/21/2013	1050.5	1 - Shallow, Open Water	Type 5 - Inland Open Fresh Water	PUB				7.34	7.34	0.02	0.02		0.04		Apr 1 - Jun 1	51	27	27, 28	NESE, NWSW	46.87686556	-93.76235275		
Atkin	Prairie-Willow	07010103	5	A1004W	8/21/2013	1050.3	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM				44.27	44.27	0.11	0.11		0.22		Apr 1 - Jun 1	51	27	27	NESE, NWSW	46.87686556	-93.76235275		
Atkin	Prairie-Willow	07010103	5	A1004W	8/21/2013	1050.9	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM				39.26	39.26	0.12	0.12		0.24		Apr 1 - Jun 1	51	27	27	NESE	46.8759214	-93.7542523	Wetlands Hydrologically Connected to Wild Rice Waters	
Atkin	Prairie-Willow	07010103	5	A1004W	8/21/2013	1051.0	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM				0.00	0.00	0.11	0.11		0.22		Apr 1 - Jun 1	51	27	27	NESE, NWSW	46.87550473	-93.75175513	Wetlands Hydrologically Connected to Wild Rice Waters	
Atkin	Prairie-Willow	07010103	5	A1004W	8/21/2013	1051.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				293.39	293.39	0.17	0.17	0.24	0.41		Apr 1 - Jun 1	51	27	27	NESE, NWSW	46.87550473	-93.75175513	Forested Seasonal Ponds, Wetlands Hydrologically Connected to Wild Rice Waters	
Atkin	Prairie-Willow	07010103	5	A1005cW ¹	8/21/2013	1051.4	1 - Shallow, Open Water	Type 5 - Inland Open Fresh Water	PUB			151.71			151.71	0.52	0.52		0.52		Apr 1 - Jun 15	51	27	26, 27	NESE, NWSE, NWSW, SESE, SWSW	46.87449414	-93.74367559	Wetlands Hydrologically Connected to Wild Rice Waters
Atkin	Prairie-Willow	07010103	5	A1005cW ¹	8/21/2013	1051.4	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM			1,044.50		6.09	1,050.59	2.18	2.18		2.18		Apr 1 - Jun 15	51	27	26, 27	NESE, NWSE, NWSW, SESE, SWSW	46.87449414	-93.74367559	Wetlands Hydrologically Connected to Wild Rice Waters
Atkin	Prairie-Willow	07010103	5	A1005cW ¹	8/21/2013	1051.4	4B - Coniferous Bog	Type 8 - Bog	PFO				0.00	0.00	0.03	0.03		0.03		Apr 1 - Jun 15	51	27	26, 27	NESE, NWSE, NWSW, SESE, SWSW	46.87449414	-93.74367559	Wetlands Hydrologically Connected to Wild Rice Waters	
Atkin	Prairie-Willow	07010103	5	A1005cW ¹	8/21/2013	1051.4	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS			160.57		376.20	536.77	0.31	0.61		0.92		Apr 1 - Jun 15	51	27	26, 27	NESE, NWSE, NWSW, SESE, SWSW	46.87449414	-93.74367559	Wetlands Hydrologically Connected to Wild Rice Waters
Atkin	Prairie-Willow	07010103	5	A1005cW ¹	8/21/2013	1051.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				0.00	0.00	0.05	0.05		0.05		Apr 1 - Jun 15	51	27	26, 27	NESE, NWSE, NWSW, SESE, SWSW	46.87449414	-93.74367559	Wetlands Hydrologically Connected to Wild Rice Waters	
Atkin	Prairie-Willow	07010103	5	A1005cW ¹	8/21/2013	1051.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO			17.91		106.29	124.20	0.07	0.09		0.16		Apr 1 - Jun 15	51	27	26, 27	NESE, NWSE, NWSW, SESE, SWSW	46.87449414	-93.74367559	Forested Seasonal Ponds, Wetlands Hydrologically Connected to Wild Rice Waters
Atkin	Prairie-Willow	07010103	5	A1005W	8/20/2013	1051.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				0.00	0.00	0.00	0.00		0.00		Apr 1 - Jun 1	51	27	26	SWSW	46.87386013	-93.73682717	Wetlands Hydrologically Connected to Wild Rice Waters	
Atkin	Prairie-Willow	07010103	5	A1005W	8/20/2013	1051.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				0.00	0.00	0.03	0.03		0.03		Apr 1 - Jun 1	51	27	26	SWSW	46.87325314	-93.73472306	Wetlands Hydrologically Connected to Wild Rice Waters	
Atkin	Prairie-Willow	07010103	5	A1008W	8/19/2013	1052.0	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM				0.00	0.00	0.00	0.00		0.00		Apr 1 - Jun 1	51	27	26	SESW, SWSW	46.87289606	-93.73134089	Wetlands Hydrologically Connected to Wild Rice Waters	
Atkin	Prairie-Willow	07010103	5	A1008W	8/19/2013	1052.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				93.12	93.12	0.10	0.10	0.11	0.20		Apr 1 - Jun 1	51	27	26	SESW, SWSW	46.87289606	-93.73134089	Forested Seasonal Ponds, Wetlands Hydrologically Connected to Wild Rice Waters	
Atkin	Prairie-Willow	07010103	5	A1014W	8/19/2013	1052.2	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS				0.00	0.00	0.01	0.01		0.01		Apr 1 - Jun 1	51	27	26	SWSE	46.87255208	-93.72733446	Wetlands Hydrologically Connected to Wild Rice Waters	
Atkin	Prairie-Willow	07010103	5	A1016W	8/19/2013	1052.4	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM				27.18	27.18	0.04	0.04		0.04		Apr 1 - Jun 1	51	27	26	SESE	46.87209657	-93.72311579		
Atkin	Prairie-Willow	07010103	5	A1016W	8/19/2013	1052.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				0.00	0.00	0.00	0.00		0.00		Apr 1 - Jun 1	51	27	26	SESE	46.87209657	-93.72311579	Forested Seasonal Ponds	
Atkin	Prairie-Willow	07010103	5	A1016W	8/19/2013	1052.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				0.00	0.00	0.01	0.01		0.01		Apr 1 - Jun 1	51	27	26	SESE	46.87209657	-93.72311579	Forested Seasonal Ponds	
Atkin	Prairie-Willow	07010103	5	A1017W	8/19/2013	1052.6	3C - Wet to Wet-Meas. Prairie	Type 2 - Inland Fresh Meadow	PEM				2.41	2.41	0.02	0.02		0.02		Apr 1 - Jun 1	51	27	25	SWSW	46.87128184	-93.71899697		
Atkin	Prairie-Willow	07010103	5	A1017W	8/19/2013	1052.6	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM				41.14	41.14	0.05	0.05		0.05		Apr 1 - Jun 1	51	27	25	SESW, SWSW	46.87083172	-93.71540468		
Atkin	Prairie-Willow	07010103	5	A1018W	8/20/2013	1052.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				0.00	0.00	0.02	0.02		0.02		Apr 1 - Jun 1	51	27	25	SESW	46.8708859	-93.71449593		
Atkin	Prairie-Willow	07010103	5	A1018W	8/20/2013	1052.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				0.00	0.00	0.04	0.04		0.04		Apr 1 - Jun 1	51	27	25	SESW	46.8708859	-93.71449593	Forested Seasonal Ponds	
Atkin	Prairie-Willow	07010103	5	A1018W	8/21/2013	1052.8	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM				0.00	0.00	0.00	0.00		0.00		Apr 1 - Jun 1	51	27	25	SESW	46.87065049	-93.71428949		
Atkin	Prairie-Willow	07010103	5	A1018W	8/21/2013	1052.8	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM				0.00	0.00	0.01	0.01		0.01		Apr 1 - Jun 1	51	27	36	NENW	46.87047393	-93.71279228		
Atkin	Prairie-Willow	07010103	5	A1018cW	9/21/2013	1053.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				0.00	0.00	0.20	0.20		0.20		Apr 1 - Jun 15	51	27	36	NENW, NWNE	46.87023993	-93.71010381	Wetlands with Known Occurrences of MDNR State-Listed Species	
Atkin	Prairie-Willow	07010103	5	A1018cW	9/21/2013	1053.0	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS				102.10	102.10	0.11	0.11	0.11	0.11		Apr 1 - Jun 15	51	27	36	NENW, NWNE	46.87023993	-93.71010381	Wetlands with Known Occurrences of MDNR State-Listed Species	
Atkin	Prairie-Willow	07010103	5	A1018cW	9/21/2013	1053.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				0.00	0.00	0.03	0.03		0.03		Apr 1 - Jun 15	51	27	36	NENW, NWNE	46.87023993	-93.71010381	Forested Seasonal Ponds, Wetlands with Known Occurrences of MDNR State-Listed Species	
Atkin	Prairie-Willow	07010103	5	A1018cW	9/21/2013	1053.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				435.28	435.28	0.43	0.43	0.30	0.73		Apr 1 - Jun 15	51	27	36	NENW, NWNE	46.87023993	-93.71010381	Wetlands with Known Occurrences of MDNR State-Listed Species	
Atkin	Prairie-Willow	07010103	5	A1020W	8/21/2013	1053.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				667.59	667.59	1.27	1.27		1.27		Apr 1 - Jun 15	51	27	36	NENE	46.86928658	-93.70251719	Wetlands with Known Occurrences of MDNR State-Listed Species	
Atkin	Prairie-Willow	07010103	5	A1020W	8/21/2013	1053.4	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS				195.59	195.59	0.20	0.23	0.43	0.43		Apr 1 - Jun 15	51	27	36	NENE	46.86928658	-93.70251719	Wetlands with Known Occurrences of MDNR State-Listed Species	
Atkin	Prairie-Willow	07010103	5	A1021aW	8/21/2013	1053.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				0.00	0.00	0.07	0.07		0.07		Apr 1 - Jun 1	51	26	31	NWNW	46.86878183	-93.69829974		
Atkin	Prairie-Willow	07010103	5	A1021aW	8/21/2013	1053.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				107.76	107.76	0.15	0.15		0.15		Apr 1 - Jun 1	51	26	31	NWNW	46.86878183	-93.69829974		
Atkin	Prairie-Willow	07010103	5	A1022aW	8/21/2013	1053.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				106.19	106.19	0.24	0.24		0.24		Apr 1 - Jun 1	51	26	31	NWNW	46.86794235	-93.69191645		
Atkin	Prairie-Willow	07010103	5	w-51n26w31-p	8/31/2017	1054.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				0.00	0.00	0.09	0.09		0.09		Apr 1 - Jun 1	51	26	31	NWNE	46.8691332	-93.68638835	Forested Seasonal Ponds	
Atkin	Prairie-Willow	07010103	5	w-51n26w31-p	8/31/2017	1054.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				0.00	0.00	0.46	0.46		0.46		Apr 1 - Jun 1	51	26	31	NWNE	46.8691332	-93.68638835	Forested Seasonal Ponds	
Atkin	Prairie-Willow	07010103	5	w-51n26w31-e	8/30/2017	1054.2	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS				0.00	0.00	0.13	0.13		0.13										

**Attachment D-1
Line 3 Replacement Project
Mainline Wetland Impact Table**

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed *	Circular 39 *	Cowardin *	Bore Crossing Method Length (ft) b	HDD Crossing Method Length (ft) b	Push-Pull Crossing Method Length (ft) b	Standard Open Cut Crossing Method Length (ft) b	Total Crossing Length (ft) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Agency Designation	Construction Timing Restriction	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category *
Atkin	Prairie-Willow	07010103	5	w-51n26w33-b	8/8/2018	1056.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				650.53	650.53	1.45			1.45	Public Water	March 15 - July 15	51	26	33, 34	NESE, NESW, SENE, SENW, SWNE, SWNW	46.86357065	-93.63105081	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters
Atkin	Prairie-Willow	07010103	5	w-51n26w33-b	8/8/2018	1056.8	4B - Coniferous Bog	Type 8 - Bog	PFO				1,404.05	1,404.05	2.30	1.62	3.92	Public Water	March 15 - July 15	51	26	33, 34	NESE, NESW, SENE, SENW, SWNE, SWNW	46.86357065	-93.63105081	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters	
Atkin	Prairie-Willow	07010103	5	w-51n26w33-b	8/8/2018	1056.8	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS				306.32	306.32	0.31	0.36	0.67	Public Water	March 15 - July 15	51	26	33, 34	NESE, NESW, SENE, SENW, SWNE, SWNW	46.86357065	-93.63105081	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters	
Atkin	Prairie-Willow	07010103	5	w-51n26w33-b	8/8/2018	1056.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				801.17	801.17	1.30	0.92	2.22	Public Water	March 15 - July 15	51	26	33, 34	NESE, NESW, SENE, SENW, SWNE, SWNW	46.86357065	-93.63105081	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters	
Atkin	Prairie-Willow	07010103	5	w-51n26w34-a	8/8/2018	1057.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					0.00	1.71		1.71		Apr 1 - Jun 1	51	26	34	NESE, SENE, SWNE	46.86317378	-93.61690577	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters	
Atkin	Prairie-Willow	07010103	5	w-51n26w34-a	8/8/2018	1057.6	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS					0.00	0.02		0.02		Apr 1 - Jun 1	51	26	34	NESE, SENE, SWNE	46.86317378	-93.61690577	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters	
Atkin	Prairie-Willow	07010103	5	w-51n26w34-a	8/8/2018	1057.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	97.19			950.44	1,047.64	1.11	1.20	2.31		Apr 1 - Jun 1	51	26	34	NESE, SENE, SWNE	46.86317378	-93.61690577	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters	
Atkin	Prairie-Willow	07010103	5	w-51n26w34-a	8/8/2018	1057.6	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO				478.62	478.62	0.34	0.51	0.86		Apr 1 - Jun 1	51	26	34	NESE, SENE, SWNE	46.86317378	-93.61690577	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters	
Atkin	Prairie-Willow	07010103	5	w-51n26w34-aa	8/8/2018	1057.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					0.00	3.34		3.34		Apr 1 - Jun 1	51	26	34	NESE, SESE	46.86002363	-93.61471025	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters	
Atkin	Prairie-Willow	07010103	5	w-51n26w34-aa	8/8/2018	1057.7	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS					0.00	0.08		0.08		Apr 1 - Jun 1	51	26	34	NESE, SESE	46.86002363	-93.61471025	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters	
Atkin	Prairie-Willow	07010103	5	w-51n26w34-aa	8/8/2018	1057.7	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS					0.00	0.00		0.00		Apr 1 - Jun 1	51	26	34	NESE, SESE	46.86002363	-93.61471025	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters	
Atkin	Prairie-Willow	07010103	5	w-51n26w34-aa	8/8/2018	1057.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO					0.00	0.01		0.01		Apr 1 - Jun 1	51	26	34	NESE, SESE	46.86002363	-93.61471025	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters	
Atkin	Prairie-Willow	07010103	5	w-51n26w35-a	6/18/2019	1058.5	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM				838.21	838.21	1.81		1.81			Apr 1 - Jun 1	51	26	25, 26, 35, 36	NENE, NESE, NESW, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.86773087	-93.59694154	Wetlands with High or Outstanding Biodiversity Sites
Atkin	Prairie-Willow	07010103	5	w-51n26w35-a	6/18/2019	1058.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				121.54	121.54	0.27		0.27		Apr 1 - Jun 1	51	26	25, 26, 35, 36	NENE, NESE, NESW, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.86773087	-93.59694154	Wetlands with High or Outstanding Biodiversity Sites	
Atkin	Prairie-Willow	07010103	5	w-51n26w35-a	6/18/2019	1058.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	82.77			466.61	549.38	1.26		1.26		Apr 1 - Jun 1	51	26	25, 26, 35, 36	NENE, NESE, NESW, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.86773087	-93.59694154	Wetlands with High or Outstanding Biodiversity Sites	
Atkin	Prairie-Willow	07010103	5	w-51n26w35-a	6/18/2019	1058.5	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	18.18			334.85	353.03	0.81	0.41	1.02		Apr 1 - Jun 1	51	26	25, 26, 35, 36	NENE, NESE, NESW, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.86773087	-93.59694154	Wetlands with High or Outstanding Biodiversity Sites	
Atkin	Prairie-Willow	07010103	5	w-51n26w35-a	6/18/2019	1058.5	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS				312.97	312.97	0.38	0.39	0.78		Apr 1 - Jun 1	51	26	25, 26, 35, 36	NENE, NESE, NESW, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.86773087	-93.59694154	Wetlands with High or Outstanding Biodiversity Sites	
Atkin	Prairie-Willow	07010103	5	w-51n26w35-a	6/18/2019	1058.5	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS				511.62	511.62	0.52	0.57	1.09		Apr 1 - Jun 1	51	26	25, 26, 35, 36	NENE, NESE, NESW, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.86773087	-93.59694154	Wetlands with High or Outstanding Biodiversity Sites	
Atkin	Prairie-Willow	07010103	5	w-51n26w35-a	6/18/2019	1058.5	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO				1,421.43	1,421.43	1.49	1.63	3.12		Apr 1 - Jun 1	51	26	25, 26, 35, 36	NENE, NESE, NESW, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.86773087	-93.59694154	Wetlands with High or Outstanding Biodiversity Sites	
Atkin	Prairie-Willow	07010103	5	w-51n26w36-a	8/25/2017	1060.5	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM				391.69	391.69	0.85		0.85		Apr 1 - Jun 15	51	25, 26	31, 32, 36	NESE, NESW, NWSE, NWSW	46.86170431	-93.5519401	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities	
Atkin	Prairie-Willow	07010103	5	w-51n26w36-a	8/25/2017	1060.5	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM				2,852.97	2,852.97	6.25		6.25		Apr 1 - Jun 15	51	25, 26	31, 32, 36	NESE, NESW, NWSE, NWSW	46.86170431	-93.5519401	Wetlands with High or Outstanding Biodiversity Sites	
Atkin	Prairie-Willow	07010103	5	w-51n26w36-a	8/25/2017	1060.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					0.00	0.00		0.00		Apr 1 - Jun 15	51	25, 26	31, 32, 36	NESE, NESW, NWSE, NWSW	46.86170431	-93.5519401	Wetlands with High or Outstanding Biodiversity Sites	
Atkin	Prairie-Willow	07010103	5	w-51n26w36-a	8/25/2017	1060.5	4A - Open Bog	Type 8 - Bog	PEM				426.44	426.44	0.93		0.93		Apr 1 - Jun 15	51	25, 26	31, 32, 36	NESE, NESW, NWSE, NWSW	46.86170431	-93.5519401	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities	
Atkin	Prairie-Willow	07010103	5	w-51n26w36-a	8/25/2017	1060.5	4A - Open Bog	Type 8 - Bog	PEM				1,133.51	1,133.51	2.48		2.48		Apr 1 - Jun 15	51	25, 26	31, 32, 36	NESE, NESW, NWSE, NWSW	46.86170431	-93.5519401	Wetlands with High or Outstanding Biodiversity Sites	
Atkin	Prairie-Willow	07010103	5	w-51n26w36-a	8/25/2017	1060.5	4B - Coniferous Bog	Type 7 - Wooded Swamp	PFO				29.80	29.80	0.03	0.03	0.06		Apr 1 - Jun 15	51	25, 26	31, 32, 36	NESE, NESW, NWSE, NWSW	46.86170431	-93.5519401	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities	
Atkin	Prairie-Willow	07010103	5	w-51n26w36-a	8/25/2017	1060.5	4B - Coniferous Bog	Type 7 - Wooded Swamp	PFO				822.89	822.89	0.84	0.95	1.79		Apr 1 - Jun 15	51	25, 26	31, 32, 36	NESE, NESW, NWSE, NWSW	46.86170431	-93.5519401	Wetlands with High or Outstanding Biodiversity Sites	
Atkin	Prairie-Willow	07010103	5	w-51n26w36-a	8/25/2017	1060.5	4B - Coniferous Bog	Type 8 - Bog	PFO				1,044.46	1,044.46	1.06	1.20	2.25		Apr 1 - Jun 15	51	25, 26	31, 32, 36	NESE, NESW, NWSE, NWSW	46.86170431	-93.5519401	Wetlands with High or Outstanding Biodiversity Sites	
Atkin	Prairie-Willow	07010103	5	w-51n26w36-a	8/25/2017	1060.5	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS				115.07	115.07	0.13	0.13	0.26		Apr 1 - Jun 15	51	25, 26	31, 32, 36	NESE, NESW, NWSE, NWSW	46.86170431	-93.5519401	Wetlands with High or Outstanding Biodiversity Sites	
Atkin	Prairie-Willow	07010103	5	w-51n26w36-a	8/25/2017	1060.5	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS					0.00	0.00		0.00		Apr 1 - Jun 15	51	25, 26	31, 32, 36	NESE, NESW, NWSE, NWSW	46.86170431	-93.5519401	Wetlands with High or Outstanding Biodiversity Sites	
Atkin	Prairie-Willow	07010103	5	w-51n26w36-a	8/25/2017	1060.5	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS				695.95	695.95	0.77	0.84	1.61		Apr 1 - Jun 15	51	25, 26	31, 32, 36	NESE, NESW, NWSE, NWSW	46.86170431	-93.5519401	Wetlands with High or Outstanding Biodiversity Sites	
Atkin	Prairie-Willow	07010103	5	w-51n26w36-a	8/25/2017	1060.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO					0.00	0.01		0.01		Apr 1 - Jun 15	51	25, 26	31, 32, 36	NESE, NESW, NWSE, NWSW	46.86170431	-93.5519401	Forested Seasonal Ponds, Wetlands with High or Outstanding Biodiversity Sites	
Atkin	Prairie-Willow	07010103	5	w-51n26w36-a	8/25/2017	1060.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				1,370.55	1,370.55	1.94	1.56	3.51		Apr 1 - Jun 15	51	25, 26	31, 32, 36	NESE, NESW, NWSE, NWSW	46.86170431	-93.5519401	Wetlands with High or Outstanding Biodiversity Sites	
Atkin	Prairie-Willow	07010103	5	w-51n26w36-a	8/25/2017	1060.5	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO				2,006.45	2,006.45	1.96	2.29	4.25		Apr 1 - Jun 15	51	25, 26	31, 32, 36	NESE, NESW, NWSE, NWSW	46.86170431	-93.5519401	Wetlands with High or Outstanding Biodiversity Sites	
Atkin	Prairie-Willow	07010103	5	w-51n25w33-d	8/22/2017	1061.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					0.00	0.04		0.04		Apr 1 - Jun 1	51	25	33	NWSW	46.86161348	-93.52821303	Wetlands with High or Outstanding Biodiversity Sites	
Atkin	Prairie-Willow	07010103	5	w-51n25w33-e	8/22/2017	1061.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					0.00	0.01		0.01		Apr 1 - Jun 1	51	25	33	NWSW	46.8608625	-93.52821303	Wetlands with High or Outstanding Biodiversity Sites	
Atkin	Prairie-Willow	07010103	5	w-51n25w35-e	6/3/2019	1062.9	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM				96.62	96.62	0.24		0.24		Apr 1 - Jun 1	51	25	33, 34, 35	NESE, NESW, NWSE, NWSW	46.86019984	-93.50410515	Wetlands with High or Outstanding Biodiversity Sites	
Atkin	Prairie-Willow	07010103	5	w-51n25w35-e	6/3/2019	1062.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				25.11	25.11	0.05		0.05		Apr 1 - Jun 1	51	25	33, 34, 35	NESE, NESW, NWSE, NWSW	46.86019984	-93.50410515	Cedar Swamp, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities	
Atkin	Prairie-Willow	07010103	5	w-51n25w35-e	6/3/2019	1062.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				485.36	485.36	2.92		2.92		Apr 1 - Jun 1	51	25	33, 34,					

Attachment D-1

Line 3 Replacement Project

Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed *	Circular 39 *	Cowardin *	Bore Crossing Method Length (ft) b	HDD Crossing Method Length (ft) b	Push-Pull Crossing Method Length (ft) b	Standard Open Cut Crossing Method Length (ft) b	Total Crossing Length (ft) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Agency Designation	Construction Timing Restriction	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category *
Atkin	Prairie-Willow	07010103	5	w-51n25w36-a	8/29/2017	1064.9	4B - Coniferous Bog	Type 7 - Wooded Swamp	PFO				169.16	169.16	0.10	0.13		0.23		Apr 1 - Jun 1	51	25	35, 36	NESE, NESW, NWSW	46.85885344	-93.46220036	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Atkin	Prairie-Willow	07010103	5	w-51n25w36-a	8/29/2017	1064.9	4B - Coniferous Bog	Type 7 - Wooded Swamp	PFO				932.81	932.81	0.87	0.99		1.66		Apr 1 - Jun 1	51	25	35, 36	NESE, NESW, NWSW	46.85885344	-93.46220036	Wetlands with High or Outstanding Biodiversity Sites
Atkin	Prairie-Willow	07010103	5	w-51n25w36-a	8/29/2017	1064.9	4B - Coniferous Bog	Type 8 - Bog	PFO				0.00	0.00	0.00	0.00		0.00		Apr 1 - Jun 1	51	25	35, 36	NESE, NESW, NWSW	46.85885344	-93.46220036	Wetlands with High or Outstanding Biodiversity Sites
Atkin	Prairie-Willow	07010103	5	w-51n25w36-a	8/29/2017	1064.9	4B - Coniferous Bog	Type 8 - Bog	PFO				0.00	0.00	0.00	0.00		0.00		Apr 1 - Jun 1	51	25	35, 36	NESE, NESW, NWSW	46.85885344	-93.46220036	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Atkin	Prairie-Willow	07010103	5	w-51n25w36-a	8/29/2017	1064.9	4B - Coniferous Bog	Type 8 - Bog	PFO				415.97	415.97	0.42	0.48		0.89		Apr 1 - Jun 1	51	25	35, 36	NESE, NESW, NWSW	46.85885344	-93.46220036	Wetlands with High or Outstanding Biodiversity Sites
Atkin	Prairie-Willow	07010103	5	w-51n25w36-a	8/29/2017	1064.9	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS				36.15	36.15	0.05	0.04		0.09		Apr 1 - Jun 1	51	25	35, 36	NESE, NESW, NWSW	46.85885344	-93.46220036	Wetlands with High or Outstanding Biodiversity Sites
Atkin	Prairie-Willow	07010103	5	w-51n25w36-a	8/29/2017	1064.9	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS				274.75	274.75	0.30	0.32		0.62		Apr 1 - Jun 1	51	25	35, 36	NESE, NESW, NWSW	46.85885344	-93.46220036	Wetlands with High or Outstanding Biodiversity Sites
Atkin	Prairie-Willow	07010103	5	w-51n25w36-a	8/29/2017	1064.9	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS				286.76	286.76	0.25	0.32		0.57		Apr 1 - Jun 1	51	25	35, 36	NESE, NESW, NWSW	46.85885344	-93.46220036	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Atkin	Prairie-Willow	07010103	5	w-51n25w36-a	8/29/2017	1064.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				117.30	117.30	0.07	0.13		0.20		Apr 1 - Jun 1	51	25	35, 36	NESE, NESW, NWSW	46.85885344	-93.46220036	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Atkin	Prairie-Willow	07010103	5	w-51n25w36-a	8/29/2017	1064.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				150.04	150.04	0.19	0.19		0.38		Apr 1 - Jun 1	51	25	35, 36	NESE, NESW, NWSW	46.85885344	-93.46220036	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Atkin	Prairie-Willow	07010103	5	w-51n24w31-bd	9/27/2018	1066.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				0.00	0.00	0.07			0.07		Apr 1 - Jun 1	51	24	31	NESW	46.86106696	-93.43648526	
Atkin	Prairie-Willow	07010103	5	w-51n24w31-be	9/27/2018	1066.1	3B - Fresh (wet) Meadow	Type 1 - Seasonally Flooded Basin or Flat	PEM				0.00	0.00	0.18			0.18		Apr 1 - Jun 1	51	24	31	NESW, SENW	46.86175594	-93.43658375	
Atkin	Prairie-Willow	07010103	5	w-51n24w31-a	6/3/2019	1066.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				0.00	0.00	1.24			1.24		Apr 1 - Jun 1	51	24, 25	31, 32, 36	NENE, NESE, NESW, NWSW, SENE, SENW, SWNE, SWNW	46.86258508	-93.43583363	Wetlands with High or Outstanding Biodiversity Sites
Atkin	Prairie-Willow	07010103	5	w-51n24w31-a	6/3/2019	1066.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				23.79	23.79	0.16			0.16		Apr 1 - Jun 1	51	24, 25	31, 32, 36	NENE, NESE, NESW, NWSW, NWNW, NWSE, NWSW, SENE, SENW, SWNE, SWNW	46.86258508	-93.43583363	Wetlands with High or Outstanding Biodiversity Sites
Atkin	Prairie-Willow	07010103	5	w-51n24w31-a	6/3/2019	1066.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				44.82	44.82	1.04			1.04		Apr 1 - Jun 1	51	24, 25	31, 32, 36	NENE, NESE, NESW, NWSW, NWNW, NWSE, NWSW, SENE, SENW, SWNE, SWNW	46.86258508	-93.43583363	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Atkin	Prairie-Willow	07010103	5	w-51n24w31-a	6/3/2019	1066.2	4B - Coniferous Bog	Type 7 - Wooded Swamp	PFO				0.87	0.87	0.00	0.01		0.01		Apr 1 - Jun 1	51	24, 25	31, 32, 36	NENE, NESE, NESW, NWSW, NWNW, NWSE, NWSW, SENE, SENW, SWNE, SWNW	46.86258508	-93.43583363	Forested Seasonal Ponds, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Atkin	Prairie-Willow	07010103	5	w-51n24w31-a	6/3/2019	1066.2	4B - Coniferous Bog	Type 7 - Wooded Swamp	PFO				120.01	120.01	0.05	0.12		0.18		Apr 1 - Jun 1	51	24, 25	31, 32, 36	NENE, NESE, NESW, NWSW, NWNW, NWSE, NWSW, SENE, SENW, SWNE, SWNW	46.86258508	-93.43583363	Forested Seasonal Ponds, Wetlands with High or Outstanding Biodiversity Sites
Atkin	Prairie-Willow	07010103	5	w-51n24w31-a	6/3/2019	1066.2	4B - Coniferous Bog	Type 7 - Wooded Swamp	PFO				522.04	522.04	0.48	0.55		1.03		Apr 1 - Jun 1	51	24, 25	31, 32, 36	NENE, NESE, NESW, NWSW, NWNW, NWSE, NWSW, SENE, SENW, SWNE, SWNW	46.86258508	-93.43583363	Wetlands with High or Outstanding Biodiversity Sites
Atkin	Prairie-Willow	07010103	5	w-51n24w31-a	6/3/2019	1066.2	4B - Coniferous Bog	Type 7 - Wooded Swamp	PFO				939.86	939.86	0.64	1.00		1.64		Apr 1 - Jun 1	51	24, 25	31, 32, 36	NENE, NESE, NESW, NWSW, NWNW, NWSE, NWSW, SENE, SENW, SWNE, SWNW	46.86258508	-93.43583363	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Atkin	Prairie-Willow	07010103	5	w-51n24w31-a	6/3/2019	1066.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				113.75	113.75	0.09	0.10		0.19		Apr 1 - Jun 1	51	24, 25	31, 32, 36	NENE, NESE, NESW, NWSW, NWNW, NWSE, NWSW, SENE, SENW, SWNE, SWNW	46.86258508	-93.43583363	Forested Seasonal Ponds, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Atkin	Prairie-Willow	07010103	5	w-51n24w31-a	6/3/2019	1066.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				129.39	129.39	0.15	0.15		0.30		Apr 1 - Jun 1	51	24, 25	31, 32, 36	NENE, NESE, NESW, NWSW, NWNW, NWSE, NWSW, SENE, SENW, SWNE, SWNW	46.86258508	-93.43583363	Wetlands with High or Outstanding Biodiversity Sites
Atkin	Prairie-Willow	07010103	5	w-51n24w31-a	6/3/2019	1066.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				1,212.05	1,212.05	0.86	1.37		2.23		Apr 1 - Jun 1	51	24, 25	31, 32, 36	NENE, NESE, NESW, NWSW, NWNW, NWSE, NWSW, SENE, SENW, SWNE, SWNW	46.86258508	-93.43583363	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Atkin	Prairie-Willow	07010103	5	w-51n24w31-a	6/3/2019	1066.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO		90.23		2,202.64	2,292.88	2.72	2.63		5.35		Apr 1 - Jun 1	51	24, 25	31, 32, 36	NENE, NESE, NESW, NWSW, NWNW, NWSE, NWSW, SENE, SENW, SWNE, SWNW	46.86258508	-93.43583363	Wetlands with High or Outstanding Biodiversity Sites
Atkin	Prairie-Willow	07010103	5	w-51n24w31-a	6/3/2019	1066.2	7 - Floodplain Forest	Type 1 - Seasonally Flooded Basin or Flat	PFO		932.74		932.74		1.42	0.66	0.31	2.38		Apr 1 - Jun 1	51	24, 25	31, 32, 36	NENE, NESE, NESW, NWSW, NWNW, NWSE, NWSW, SENE, SENW, SWNE, SWNW	46.86258508	-93.43583363	Wetlands with High or Outstanding Biodiversity Sites
Atkin	Prairie-Willow	07010103	5	w-51n24w31-cc	9/27/2018	1066.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				0.40	0.00	0.40			0.50		Apr 1 - Jun 1	51	24	31	SWNE	46.86191995	-93.42714543	
Atkin	Prairie-Willow	07010103	5	w-51n24w32-a	8/28/2017	1067.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				492.49	492.49	0.54	0.57		1.11		Apr 1 - Jun 1	51	24	32	NWNW	46.86853538	-93.41970613	
Atkin	Prairie-Willow	07010103	5	w-51n24w32-a	8/28/2017	1067.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				560.58	560.58	0.59	0.64		1.24		Apr 1 - Jun 1	51	24	32	NWNW	46.86853538	-93.41970613	Wetlands with S1, S2, or S3 Native Plant Communities
Atkin	Prairie-Willow	07010103	5	w-51n24w28-a	6/3/2019	1068.1	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM				468.99	468.99	1.09			1.09		Apr 1 - Jun 1	51	24	28, 29	NESE, NESW, NWSE, NWSW, SESE, SESEW, SWSE, SWSW	46.87227815	-93.40068953	
Atkin	Prairie-Willow	07010103	5	w-51n24w28-a	6/3/2019	1068.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				47.11	47.11	0.85			0.85		Apr 1 - Jun 1	51	24	28, 29	NESE, NESW, NWSE, NWSW, SESE, SESEW, SWSE, SWSW	46.87227815	-93.40068953	
Atkin	Prairie-Willow	07010103	5	w-51n24w28-a	6/3/2019	1068.1	4B - Coniferous Bog	Type 8 - Bog	PFO				141.04	141.04	0.18	0.17		0.34		Apr 1 - Jun 1	51	24	28, 29	NESE, NESW, NWSE, NWSW, SESE, SESEW, SWSE, SWSW	46.87227815	-93.40068953	
Atkin	Prairie-Willow	07010103	5	w-51n24w28-a	6/3/2019	1068.1	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS				1,542.63	1,542.63	2.10	1.78		3.89		Apr 1 - Jun 1	51	24	28, 29	NESE, NESW, NWSE, NWSW, SESE, SESEW, SWSE, SWSW	46.87227815	-93.40068953	
Atkin	Prairie-Willow	07010103	5	w-51n24w28-a	6/3/2019	1068.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				4,017.05	4,017.05	4.10	4.52		8.62		Apr 1 - Jun 1	51	24	28, 29	NESE, NESW, NWSE, NWSW, SESE, SESEW, SWSE, SWSW	46.87227815	-93.40068953	
Atkin	Prairie-Willow	07010103	5	w-51n24w28-a	6/3/2019	1068.1	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO				0.00	0.00	0.05	0.02		0.07		Apr 1 - Jun 1	51	24	28, 29	NESE, NESW, NWSE, NWSW, SESE, SESEW, SWSE, SWSW	46.87227815	-93.40068953	Forested Seasonal Ponds
Atkin	Prairie-Willow	07010103	5	w-51n24w28-a	6/3/2019	1068.1	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO				1,662.24	1,662.24	1.79	1.77		3.56		Apr 1 - Jun 1	51	24	28, 29	NESE, NESW, NWSE, NWSW, SESE, SESEW, SWSE, SWSW	46.87227815	-93.40068953	
Atkin	Prairie-Willow	07010103	5	w-51n24w28-e	7/23/2018	1068.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				41.18	41.18	0.83			0.83		Apr 1 - Jun 1	51	24	28	NWSE, SWSE	46.87296953	-93.38813284	
Atkin	Prairie-Willow	07010103	5	w-51n24w28-e	7/23/2018	1068.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				43.63	43.63	0.02	0.05		0.07		Apr 1 - Jun 1	51	24	28	NWSE, SWSE	46.87296953	-93.38813284	
Atkin	Prairie-Willow	07010103	5	w-51n24w28-e	7/23/2018	1068.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				180.39	180.39	0.08	0.17		0.25		Apr 1 - Jun 1	51	24	28	NWSE, SWSE	46.87296953	-93.38813284	Forested Seasonal Ponds
Atkin	Prairie-Willow	07010103	5	w-51n24w27-d	8/28/2017	1069.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				121.95	121.95	0.34		0.										

**Attachment D-1
Line 3 Replacement Project
Mainline Wetland Impact Table**

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed *	Circular 39 *	Cowardin *	Bore Crossing Method Length (ft) b	HDD Crossing Method Length (ft) b	Push-Pull Crossing Method Length (ft) b	Standard Open Cut Crossing Method Length (ft) b	Total Crossing Length (ft) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Agency Designation	Construction Timing Restriction	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category *
Atkin	Prairie-Willow	07010103	5	w-51n24w25-e	8/31/2017	1071.6	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS				89.10	89.10	0.15	0.10		0.26		Apr 1 - Jun 1	51	24	25	NWSE	46.87294992	-93.2426716	Wetlands Hydrologically Connected to Trout Streams, Wetlands with High or Outstanding Biodiversity Sites
Atkin	Prairie-Willow	07010103	5	w-51n24w25-f	9/12/2017	1072.1	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM				71.35	71.35	0.12			0.12		Apr 1 - Jun 1	51	23, 24	25, 30	NESE, NWSW	46.87294684	-93.31480983	Wetlands with High or Outstanding Biodiversity Sites
Atkin	Prairie-Willow	07010103	5	w-51n24w25-f	9/12/2017	1072.1	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM					0.00	0.00			0.00		Apr 1 - Jun 1	51	23, 24	25, 30	NESE, NWSW	46.87294684	-93.31480983	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Atkin	Prairie-Willow	07010103	5	w-51n24w25-f	9/12/2017	1072.1	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM					0.00	0.01			0.01		Apr 1 - Jun 1	51	23, 24	25, 30	NESE, NWSW	46.87294684	-93.31480983	Wetlands with High or Outstanding Biodiversity Sites
Atkin	Prairie-Willow	07010103	5	w-51n24w25-f	9/12/2017	1072.1	4A - Open Bog	Type 8 - Bog	PEM					0.00	0.02			0.02		Apr 1 - Jun 1	51	23, 24	25, 30	NESE, NWSW	46.87294684	-93.31480983	Wetlands with High or Outstanding Biodiversity Sites
Atkin	Prairie-Willow	07010103	5	w-51n24w25-f	9/12/2017	1072.1	4B - Coniferous Bog	Type 8 - Bog	PFO				203.92	203.92	0.34	0.24		0.57		Apr 1 - Jun 1	51	23, 24	25, 30	NESE, NWSW	46.87294684	-93.31480983	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Atkin	Prairie-Willow	07010103	5	w-51n24w25-f	9/12/2017	1072.1	4B - Coniferous Bog	Type 8 - Bog	PFO				1,084.52	1,084.52	1.20	1.24		2.44		Apr 1 - Jun 1	51	23, 24	25, 30	NESE, NWSW	46.87294684	-93.31480983	Wetlands with High or Outstanding Biodiversity Sites
Atkin	Prairie-Willow	07010103	5	w-51n24w25-f	9/12/2017	1072.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					0.00	0.03			0.03		Apr 1 - Jun 1	51	23	30	NESE	46.87262923	-93.30245611	Wetlands with High or Outstanding Biodiversity Sites
Atkin	Prairie-Willow	07010103	5	w-51n24w25-f	9/12/2017	1072.6	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM					0.00	0.01			0.01		Apr 1 - Jun 1	51	23	30	NESE, NWSW	46.87261646	-93.30355111	Wetlands with High or Outstanding Biodiversity Sites
Atkin	Prairie-Willow	07010103	5	w-51n24w25-f	9/12/2017	1072.6	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS					0.00	0.00			0.00		Apr 1 - Jun 1	51	23	30	NESE, NWSW	46.87261646	-93.30355111	Wetlands with High or Outstanding Biodiversity Sites
Atkin	Prairie-Willow	07010103	5	w-51n24w25-f	9/12/2017	1072.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				702.95	702.95	0.71	0.80		1.51		Apr 1 - Jun 1	51	23	30	NESE, NWSW	46.87261646	-93.30355111	Wetlands with High or Outstanding Biodiversity Sites
Atkin	Prairie-Willow	07010103	5	w-51n24w25-f	9/12/2017	1072.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					0.00	0.01			0.01		Apr 1 - Jun 1	51	23	30	NWSE	46.87266709	-93.3005213	Wetlands with High or Outstanding Biodiversity Sites
Atkin	Prairie-Willow	07010103	5	w-51n24w25-f	9/12/2017	1072.8	4B - Coniferous Bog	Type 8 - Bog	PFO					0.00	0.10			0.10		Apr 1 - Jun 1	51	23	30	NWSE	46.87266709	-93.3005213	Wetlands with High or Outstanding Biodiversity Sites
Atkin	Prairie-Willow	07010103	5	w-51n24w25-f	9/12/2017	1072.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO					0.11	0.11		0.00	0.03		Apr 1 - Jun 1	51	23	30	NWSE	46.87266709	-93.3005213	Wetlands with High or Outstanding Biodiversity Sites
Atkin	Prairie-Willow	07010103	5	w-51n24w25-f	9/12/2017	1072.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				106.06	106.06	0.08	0.11		0.19		Apr 1 - Jun 1	51	23	30	NWSE	46.87266709	-93.3005213	Wetlands with High or Outstanding Biodiversity Sites
Atkin	Prairie-Willow	07010103	5	w-51n24w25-f	9/12/2017	1072.9	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM					0.00	0.07			0.07		Apr 1 - Jun 1	51	23	30	NESE, NWSW	46.87259189	-93.29895823	Wetlands with High or Outstanding Biodiversity Sites
Atkin	Prairie-Willow	07010103	5	w-51n24w25-f	9/12/2017	1072.9	4B - Coniferous Bog	Type 8 - Bog	PFO				557.48	557.48	0.51	0.64		1.14		Apr 1 - Jun 1	51	23	30	NESE, NWSW	46.87259189	-93.29895823	Wetlands with High or Outstanding Biodiversity Sites
Atkin	Prairie-Willow	07010103	5	w-51n24w25-f	9/12/2017	1073.0	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM					0.00	0.01			0.01		Apr 1 - Jun 1	51	23	30	NESE	46.87245987	-93.29644611	Wetlands with High or Outstanding Biodiversity Sites
Atkin	Prairie-Willow	07010103	5	w-51n24w25-f	9/12/2017	1073.0	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM					0.00	0.02			0.02		Apr 1 - Jun 1	51	23	30	NESE	46.87251226	-93.29551676	Wetlands with High or Outstanding Biodiversity Sites
Atkin	Prairie-Willow	07010103	5	w-51n24w25-f	9/12/2017	1073.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				67.13	67.13	0.04	0.08		0.12		Apr 1 - Jun 1	51	23	30	NESE	46.87251226	-93.29551676	Wetlands with High or Outstanding Biodiversity Sites
Atkin	Prairie-Willow	07010103	5	w-51n24w25-f	9/12/2017	1073.1	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM					0.00	0.01			0.01		Apr 1 - Jun 1	51	23	29, 30	NESE, NWSW	46.87269142	-93.29351629	Wetlands with High or Outstanding Biodiversity Sites
Atkin	Prairie-Willow	07010103	5	w-51n24w25-f	9/12/2017	1073.1	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS					0.00	0.01		0.01	0.02		Apr 1 - Jun 1	51	23	29, 30	NESE, NWSW	46.87269142	-93.29351629	Wetlands with High or Outstanding Biodiversity Sites
Atkin	Prairie-Willow	07010103	5	w-51n24w25-f	8/15/2018	1073.2	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS				330.90	330.90	0.52	0.38		0.90		Apr 1 - Jun 1	51	23	29	NWSW	46.87332818	-93.2919248	Wetlands with High or Outstanding Biodiversity Sites
Atkin	Prairie-Willow	07010103	5	w-51n24w25-f	8/15/2018	1073.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO					0.00	0.03		0.02	0.05		Apr 1 - Jun 1	51	23	29	NESE, NWSW	46.87393059	-93.2883875	Wetlands with High or Outstanding Biodiversity Sites
Atkin	Prairie-Willow	07010103	5	w-51n24w25-f	8/15/2018	1073.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				343.88	343.88	0.28	0.37		0.65		Apr 1 - Jun 1	51	23	29	NESE, NWSW	46.87393059	-93.2883875	Wetlands with High or Outstanding Biodiversity Sites
Atkin	Prairie-Willow	07010103	5	w-51n24w25-f	9/14/2018	1073.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO					24.09	0.03		0.09	0.09		Apr 1 - Jun 1	51	23	29	NESE, NWSW	46.87390052	-93.28427311	Wetlands with High or Outstanding Biodiversity Sites
Atkin	Prairie-Willow	07010103	5	w-51n24w25-f	9/14/2018	1073.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				72.85	72.85	0.08	0.08		0.14		Apr 1 - Jun 1	51	23	29	NESE, NWSW	46.87390052	-93.28427311	Wetlands with High or Outstanding Biodiversity Sites
Atkin	Prairie-Willow	07010103	5	w-51n24w25-f	9/12/2017	1073.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO					0.00	0.00		0.00	0.00		Apr 1 - Jun 1	51	23	29	NESE	46.87398584	-93.28428758	Wetlands with High or Outstanding Biodiversity Sites
Atkin	Prairie-Willow	07010103	5	w-51n24w25-f	9/22/2017	1074.1	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM				135.72	135.72	0.23	0.03		0.23		Apr 1 - Jun 1	51	23	28, 29	NESE, NWSW	46.87271101	-93.27204414	Wetlands with High or Outstanding Biodiversity Sites
Atkin	Prairie-Willow	07010103	5	w-51n24w25-f	9/22/2017	1074.1	4B - Coniferous Bog	Type 8 - Bog	PFO					0.00	0.02		0.01	0.03		Apr 1 - Jun 1	51	23	28, 29	NESE, NWSW	46.87271101	-93.27204414	Wetlands with High or Outstanding Biodiversity Sites
Atkin	Prairie-Willow	07010103	5	w-51n24w25-f	9/22/2017	1074.1	4B - Coniferous Bog	Type 8 - Bog	PFO				45.21	45.21	0.05	0.05		0.10		Apr 1 - Jun 1	51	23	28, 29	NESE, NWSW	46.87271101	-93.27204414	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites
Atkin	Prairie-Willow	07010103	5	w-51n24w25-f	9/22/2017	1074.1	4B - Coniferous Bog	Type 8 - Bog	PFO				61.50	61.50	0.06	0.07		0.13		Apr 1 - Jun 1	51	23	28, 29	NESE, NWSW	46.87271101	-93.27204414	Wetlands with High or Outstanding Biodiversity Sites
Atkin	Prairie-Willow	07010103	5	w-51n24w25-f	9/22/2017	1074.1	4B - Coniferous Bog	Type 8 - Bog	PFO				96.81	96.81	0.06	0.11		0.17		Apr 1 - Jun 1	51	23	28, 29	NESE, NWSW	46.87271101	-93.27204414	Wetlands with High or Outstanding Biodiversity Sites
Atkin	Prairie-Willow	07010103	5	w-51n24w25-f	9/22/2017	1074.1	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS				608.97	608.97	0.66	0.70		1.36		Apr 1 - Jun 1	51	23	28, 29	NESE, NWSW	46.87271101	-93.27204414	Wetlands with High or Outstanding Biodiversity Sites
Atkin	Prairie-Willow	07010103	5	w-51n24w25-f	8/11/2018	1074.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				178.39	178.39	0.21	0.21		0.42		Apr 1 - Jun 1	51	23	28	NESE, NWSW	46.87292703	-93.26324126	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites
Atkin	Prairie-Willow	07010103	5	w-51n24w25-f	8/11/2018	1074.6	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO				53.76	53.76	0.04	0.06		0.10		Apr 1 - Jun 1	51	23	28	NESE, NWSW	46.87292703	-93.26324126	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites
Atkin	Prairie-Willow	07010103	5	w-51n24w25-f	8/11/2018	1074.8	1 - Shallow, Open Water	Type 5 - Inland Open Fresh Water	PUB				120.64	120.64	0.28			0.28		Apr 1 - Jun 15	51	23	28	NWSE	46.87360368	-93.25913586	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Atkin	Prairie-Willow	07010103	5	w-51n24w25-f	8/11/2018	1074.8	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM				18.17	18.17	0.04			0.04		Apr 1 - Jun 15	51	23	28	NWSE	46.87360368	-93.25913586	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites
Atkin	Prairie-Willow	07010103	5	w-51n24w25-f	8/11/2018	1074.8	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM				504.29	504.29	1.13			1.13		Apr 1 - Jun 15	51	23	28	NWSE	46.87360368	-93.25913586	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites
Atkin	Prairie-Willow	07010103	5	w-51n24w25-f	8/11/2018	1074.8	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM				93.34	93.34	0.30			0.30		Apr 1 - Jun 15	51	23	28	NWSE	46.87360368	-93.25913586	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands

**Attachment D-1
Line 3 Replacement Project
Mainline Wetland Impact Table**

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed *	Circular 39 *	Cowardin *	Bore Crossing Method Length (ft) b	HDD Crossing Method Length (ft) b	Push-Pull Crossing Method Length (ft) b	Standard Open Cut Crossing Method Length (ft) b	Total Crossing Length (ft) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Agency Designation	Construction Timing Restriction	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category *
Atkin	Prairie-Willow	07010103	5	w-51n23w27-f	9/5/2017	1075.8	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM				504.19	504.19	1.11			1.11		Apr 1 - Jun 15	51	23	27	NENE, NENW, NWNE, SENW	46.87956607	-93.23951639	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites
Atkin	Prairie-Willow	07010103	5	w-51n23w27-f	9/5/2017	1075.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				353.64	353.64	0.83			0.83		Apr 1 - Jun 15	51	23	27	NENE, NENW, NWNE, SENW	46.87956607	-93.23951639	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites
Atkin	Prairie-Willow	07010103	5	w-51n23w27-f	9/5/2017	1075.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO					0.00	0.10	0.02		0.12		Apr 1 - Jun 15	51	23	27	NENE, NENW, NWNE, SENW	46.87956607	-93.23951639	Forested Seasonal Ponds, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites
Atkin	Prairie-Willow	07010103	5	w-51n23w27-f	9/5/2017	1075.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				881.19	881.19	1.12			2.11		Apr 1 - Jun 15	51	23	27	NENE, NENW, NWNE, SENW	46.87956607	-93.23951639	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites
Atkin	Prairie-Willow	07010103	5	w-51n23w27-g	9/6/2017	1076.2	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM					0.00	0.05			0.05		Apr 1 - Jun 1	51	23	22, 23, 27	NENE, SESE, SWSW	46.88203407	-93.23155441	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites
Atkin	Prairie-Willow	07010103	5	w-51n23w27-g	9/6/2017	1076.2	4B - Coniferous Bog	Type 8 - Bog	PFO				20.62	20.62	0.16	0.05		0.19		Apr 1 - Jun 1	51	23	22, 23, 27	NENE, SESE, SWSW	46.88203407	-93.23155441	HCVF Wetlands, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites
Atkin	Prairie-Willow	07010103	5	w-51n23w27-g	9/6/2017	1076.2	4B - Coniferous Bog	Type 8 - Bog	PFO				350.01	350.01	0.24	0.37		0.61		Apr 1 - Jun 1	51	23	22, 23, 27	NENE, SESE, SWSW	46.88203407	-93.23155441	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites
Atkin	Prairie-Willow	07010103	5	w-51n23w23-a	9/6/2017	1076.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				23.00	23.00	0.00	0.01		0.02		Apr 1 - Jun 1	51	23	23	SWSW	46.88253598	-93.22999224	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites
Atkin	Prairie-Willow	07010103	5	w-51n23w23-a	9/6/2017	1076.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				45.11	45.11	0.08	0.05		0.13		Apr 1 - Jun 1	51	23	23	SWSW	46.88253598	-93.22999224	Forested Seasonal Ponds, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites
Atkin	Prairie-Willow	07010103	5	w-51n23w23-c	7/11/2018	1076.5	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS					0.00	0.11	0.03		0.13		Apr 1 - Jun 1	51	23	23	NESE, SESE, SWSW	46.88429221	-93.22471031	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites
Atkin	Prairie-Willow	07010103	5	w-51n23w23-c	7/11/2018	1076.5	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS				178.72	178.72	0.01	0.17		0.18		Apr 1 - Jun 1	51	23	23	NESE, SESE, SWSW	46.88429221	-93.22471031	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Atkin	Prairie-Willow	07010103	5	w-51n23w23-c	7/11/2018	1076.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO					0.00	0.19	0.02		0.21		Apr 1 - Jun 1	51	23	23	NESE, SESE, SWSW	46.88429221	-93.22471031	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites
Atkin	Prairie-Willow	07010103	5	w-51n23w23-c	7/11/2018	1076.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				68.88	68.88	0.11	0.07		0.18		Apr 1 - Jun 1	51	23	23	NESE, SESE, SWSW	46.88429221	-93.22471031	Forested Seasonal Ponds, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites
Atkin	Prairie-Willow	07010103	5	w-51n23w23-c	7/11/2018	1076.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				266.82	266.82	0.32	0.29		0.61		Apr 1 - Jun 1	51	23	23	NESE, SESE, SWSW	46.88429221	-93.22471031	Forested Seasonal Ponds, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites
Atkin	Prairie-Willow	07010103	5	w-51n23w23-c	7/11/2018	1076.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				783.07	783.07	0.54	0.86		1.41		Apr 1 - Jun 1	51	23	23	NESE, SESE, SWSW	46.88429221	-93.22471031	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Na Native Plant Communities
Atkin	Prairie-Willow	07010103	5	w-51n23w23-d ¹	7/11/2018	1077.0	1 - Shallow, Open Water	Type 5 - Inland Open Fresh Water	PUB					0.00	0.00			0.00		Apr 1 - Jun 15	51	23	23	NESE, NWSE, SESE, SWSE	46.88582427	-93.21609648	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Atkin	Prairie-Willow	07010103	5	w-51n23w23-d ¹	7/11/2018	1077.0	1 - Shallow, Open Water	Type 5 - Inland Open Fresh Water	PUB					0.00	0.01			0.01		Apr 1 - Jun 15	51	23	23	NESE, NWSE, SESE, SWSE	46.88582427	-93.21609648	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites
Atkin	Prairie-Willow	07010103	5	w-51n23w23-d ¹	7/11/2018	1077.0	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM				37.50	37.50	0.07			0.07		Apr 1 - Jun 15	51	23	23	NESE, NWSE, SESE, SWSE	46.88582427	-93.21609648	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Atkin	Prairie-Willow	07010103	5	w-51n23w23-d ¹	7/11/2018	1077.0	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM				379.08	379.08	0.83			0.83		Apr 1 - Jun 15	51	23	23	NESE, NWSE, SESE, SWSE	46.88582427	-93.21609648	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites
Atkin	Prairie-Willow	07010103	5	w-51n23w23-e	9/24/2018	1077.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					0.00	0.93			0.93		Apr 1 - Jun 1	51	23	23, 24	NESE, NESW, NWSW, SESE, SESE, SWSW	46.88596184	-93.20983741	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites
Atkin	Prairie-Willow	07010103	5	w-51n23w23-e	9/24/2018	1077.3	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS				127.95	127.95	0.45	0.15		0.60		Apr 1 - Jun 1	51	23	23, 24	NESE, NESW, NWSW, SESE, SESE, SWSW	46.88596184	-93.20983741	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites
Atkin	St. Louis	04010201	1	w-51n23w23-e	9/24/2018	1077.3	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM				6.21	6.21	0.26			0.26		Apr 1 - Jun 1	51	23	23, 24	NESE, NESW, NWSW, SESE, SESE, SWSW	46.88596184	-93.20983741	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites
Atkin	St. Louis	04010201	1	w-51n23w23-e	9/24/2018	1077.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					0.00	1.89			1.89		Apr 1 - Jun 1	51	23	23, 24	NESE, NESW, NWSW, SESE, SESE, SWSW	46.88596184	-93.20983741	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites
Atkin	St. Louis	04010201	1	w-51n23w23-e	9/24/2018	1077.3	4B - Coniferous Bog	Type 8 - Bog	PFO				645.46	645.46	0.65	0.74		1.40		Apr 1 - Jun 1	51	23	23, 24	NESE, NESW, NWSW, SESE, SESE, SWSW	46.88596184	-93.20983741	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites
Atkin	St. Louis	04010201	1	w-51n23w23-e	9/24/2018	1077.3	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS				327.69	327.69	0.25	0.28		0.53		Apr 1 - Jun 1	51	23	23, 24	NESE, NESW, NWSW, SESE, SESE, SWSW	46.88596184	-93.20983741	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites
Atkin	St. Louis	04010201	1	w-51n23w23-e	9/24/2018	1077.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				115.59	115.59	0.21	0.12		0.33		Apr 1 - Jun 1	51	23	23, 24	NESE, NESW, NWSW, SESE, SESE, SWSW	46.88596184	-93.20983741	Forested Seasonal Ponds, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites
Atkin	St. Louis	04010201	1	w-51n23w23-e	9/24/2018	1077.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				1,025.68	1,025.68	1.43	1.18		2.61		Apr 1 - Jun 1	51	23	23, 24	NESE, NESW, NWSW, SESE, SESE, SWSW	46.88596184	-93.20983741	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites
Atkin	St. Louis	04010201	1	w-51n23w24-a	9/6/2017	1077.8	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM					0.00	0.02			0.02		Apr 1 - Jun 1	51	23	24	NESE, NWSE, SESE, SWSE	46.8853472	-93.19951182	Wetlands with High or Outstanding Biodiversity Sites
Atkin	St. Louis	04010201	1	w-51n23w24-a	9/6/2017	1077.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				118.60	118.60	0.16	0.14		0.30		Apr 1 - Jun 1	51	23	24	NESE, NWSE, SESE, SWSE	46.8853472	-93.19951182	Forested Seasonal Ponds, Wetlands with High or Outstanding Biodiversity Sites
Atkin	St. Louis	04010201	1	w-51n23w24-a	9/6/2017	1077.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				198.52	198.52	0.25	0.20		0.45		Apr 1 - Jun 1	51	23	24	NESE, NWSE, SESE, SWSE	46.8853472	-93.19951182	Wetlands with High or Outstanding Biodiversity Sites
Atkin	St. Louis	04010201	1	w-51n23w24-c	9/7/2017	1078.1	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM					0.00	0.01			0.01		Apr 1 - Jun 1	51	23	24	NESE, SESE	46.88522666	-93.19321896	Wetlands with High or Outstanding Biodiversity Sites
Atkin	St. Louis	04010201	1	w-51n23w24-c	9/7/2017	1078.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				33.50	33.50	0.04	0.04		0.08		Apr 1 - Jun 1	51	23	24	NESE, SESE	46.88522666	-93.19321896	Wetlands with High or Outstanding Biodiversity Sites
Atkin	St. Louis	04010201	1	w-51n23w24-c	9/7/2017	1078.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				118.63	118.63	0.09	0.13		0.22		Apr 1 - Jun 1	51	23	24	NESE, SESE	46.88522666	-93.19321896	Forested Seasonal Ponds, Wetlands with High or Outstanding Biodiversity Sites

**Attachment D-1
Line 3 Replacement Project
Mainline Wetland Impact Table**

County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed *	Circular 39 *	Cowardin *	Bore Crossing Method Length (ft) b	HDD Crossing Method Length (ft) b	Push-Pull Crossing Method Length (ft) b	Standard Open Cut Crossing Method Length (ft) b	Total Crossing Length (ft) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Agency Designation	Construction Timing Restriction	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category *
Atkin	St. Louis	04010201	1	w-51n22w18-g	6/26/2018	1078.1	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS					0.00	0.01			0.01		Apr 1 - Jun 1	51	22, 23	13, 18	First government lot W. of NWSW, NESE	46.90115099	-93.18953881	Wetlands with High or Outstanding Biodiversity Sites
Atkin	St. Louis	04010201	1	w-51n22w18-g	6/26/2018	1078.1	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS					0.00	0.01			0.01		Apr 1 - Jun 1	51	22, 23	13, 18	First government lot W. of NWSW, NESE	46.90115099	-93.18953881	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Atkin	St. Louis	04010201	1	w-51n23w24-a	8/17/2018	1078.3	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS					0.00	0.02			0.02		Apr 1 - Jun 1	51	23	24	SESE	46.88420487	-93.18955837	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Atkin	St. Louis	04010201	1	w-51n23w24-d	8/17/2018	1078.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO					0.00	0.02			0.02		Apr 1 - Jun 1	51	22	19	First government lot W. of SWSW	46.88417895	-93.18685694	Forested Seasonal Ponds, HCVF Wetlands, Old Growth Forested Wetlands, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Atkin	St. Louis	04010201	1	w-51n23w24-d	8/17/2018	1078.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				33.90	33.90	0.09	0.04		0.13		Apr 1 - Jun 1	51	22	19	First government lot W. of SWSW	46.88417895	-93.18685694	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Atkin	St. Louis	04010201	1	w-51n22w18-e	8/22/2018	1078.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO					0.00	0.03			0.03		Apr 1 - Jun 1	51	22	18	NWSW	46.90090216	-93.18468585	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Atkin	St. Louis	04010201	1	w-51n22w18-j	6/15/2019	1078.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					0.00	0.06			0.06		Apr 1 - Jun 1	51	22	18, 19	NWNW, SWSW	46.89615885	-93.18121786	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Atkin	St. Louis	04010201	1	w-51n22w19-a	9/7/2017	1078.9	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM				119.21	119.21	0.19			0.19		Apr 1 - Jun 15	51	22	19	NESE, SWSW	46.88508146	-93.17780315	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Atkin	St. Louis	04010201	1	w-51n22w19-a	9/7/2017	1078.9	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM				941.15	941.15	2.05			2.05		Apr 1 - Jun 15	51	22	19	NESE, SWSW	46.88508146	-93.17780315	Wetlands with High or Outstanding Biodiversity Sites
Atkin	St. Louis	04010201	1	w-51n22w19-a	9/7/2017	1078.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					0.00	0.03			0.03		Apr 1 - Jun 15	51	22	19	NESE, SWSW	46.88508146	-93.17780315	Cedar Swamp, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Atkin	St. Louis	04010201	1	w-51n22w19-a	9/7/2017	1078.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					0.00	0.07			0.07		Apr 1 - Jun 15	51	22	19	NESE, SWSW	46.88508146	-93.17780315	Wetlands with High or Outstanding Biodiversity Sites
Atkin	St. Louis	04010201	1	w-51n22w19-a	9/7/2017	1078.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				21.80	21.80	0.05			0.05		Apr 1 - Jun 15	51	22	19	NESE, SWSW	46.88508146	-93.17780315	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Atkin	St. Louis	04010201	1	w-51n22w19-a	9/7/2017	1078.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO					0.00	0.27			0.27		Apr 1 - Jun 15	51	22	19	NESE, SWSW	46.88508146	-93.17780315	Forested Seasonal Ponds, HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Atkin	St. Louis	04010201	1	w-51n22w19-a	9/7/2017	1078.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				530.78	530.78	0.75	0.61		1.36		Apr 1 - Jun 15	51	22	19	NESE, SWSW	46.88508146	-93.17780315	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites
Atkin	St. Louis	04010201	1	w-51n22w19-a	9/7/2017	1078.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				601.12	601.12	0.79	0.69		1.48		Apr 1 - Jun 15	51	22	19	NESE, SWSW	46.88508146	-93.17780315	Cedar Swamp, HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Atkin	St. Louis	04010201	1	w-51n22w19-a	9/7/2017	1078.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				691.48	691.48	0.79	0.76		1.55		Apr 1 - Jun 15	51	22	19	NESE, SWSW	46.88508146	-93.17780315	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Atkin	St. Louis	04010201	1	w-51n22w19-aj	6/15/2019	1079.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					0.00	0.57			0.57		Apr 1 - Jun 1	51	22	18, 19	NENE, NENW, NENE, SWSW	46.89549664	-93.17341388	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Atkin	St. Louis	04010201	1	w-51n22w19-aj	6/15/2019	1079.1	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS					0.00	0.03			0.03		Apr 1 - Jun 1	51	22	18, 19	NENE, NENW, NENE, SWSW	46.89549664	-93.17341388	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Atkin	St. Louis	04010201	1	w-51n22w19-aj	6/15/2019	1079.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO					0.00	0.01			0.01		Apr 1 - Jun 1	51	22	18, 19	NENE, NENW, NENE, SWSW	46.89549664	-93.17341388	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites
Atkin	St. Louis	04010201	1	w-51n22w19-b	9/7/2017	1079.4	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM					0.00	0.00			0.00		Apr 1 - Jun 1	51	22	19, 20	SESE, SWSW	46.88483508	-93.16546906	Wetlands with High or Outstanding Biodiversity Sites
Atkin	St. Louis	04010201	1	w-51n22w19-b	9/7/2017	1079.4	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM				93.40	93.40	0.25			0.25		Apr 1 - Jun 1	51	22	19, 20	SESE, SWSW	46.88483508	-93.16546906	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Atkin	St. Louis	04010201	1	w-51n22w19-b	9/7/2017	1079.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					0.00	0.08			0.08		Apr 1 - Jun 1	51	22	19, 20	SESE, SWSW	46.88483508	-93.16546906	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Atkin	St. Louis	04010201	1	w-51n22w19-b	9/7/2017	1079.4	4A - Open Bog	Type 8 - Bog	PEM					0.00	0.00			0.00		Apr 1 - Jun 1	51	22	19, 20	SESE, SWSW	46.88483508	-93.16546906	Wetlands with High or Outstanding Biodiversity Sites
Atkin	St. Louis	04010201	1	w-51n22w19-b	9/7/2017	1079.4	4B - Coniferous Bog	Type 7 - Wooded Swamp	PFO				22.09	22.09	0.02	0.03		0.04		Apr 1 - Jun 1	51	22	19, 20	SESE, SWSW	46.88483508	-93.16546906	Forested Seasonal Ponds, HCVF Wetlands, Old Growth Forested Wetlands, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Atkin	St. Louis	04010201	1	w-51n22w19-b	9/7/2017	1079.4	4B - Coniferous Bog	Type 7 - Wooded Swamp	PFO				34.62	34.62	0.04	0.04		0.08		Apr 1 - Jun 1	51	22	19, 20	SESE, SWSW	46.88483508	-93.16546906	HCVF Wetlands, Old Growth Forested Wetlands, Wetlands with High or Outstanding Biodiversity Sites
Atkin	St. Louis	04010201	1	w-51n22w19-b	9/7/2017	1079.4	4B - Coniferous Bog	Type 7 - Wooded Swamp	PFO				529.42	529.42	0.35	0.59		0.94		Apr 1 - Jun 1	51	22	19, 20	SESE, SWSW	46.88483508	-93.16546906	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Atkin	St. Louis	04010201	1	w-51n22w19-b	9/7/2017	1079.4	4B - Coniferous Bog	Type 7 - Wooded Swamp	PFO				663.68	663.68	0.72	0.76		1.48		Apr 1 - Jun 1	51	22	19, 20	SESE, SWSW	46.88483508	-93.16546906	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites
Atkin	St. Louis	04010201	1	w-51n22w8-a	6/17/2019	1079.6	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM					0.00	0.03			0.03		Apr 1 - Jun 1	51	22	8, 17, 18	NENE, NENW, NENE, SWSW	46.90904056	-93.16112208	Wetlands with High or Outstanding Biodiversity Sites
Atkin	St. Louis	04010201	1	w-51n22w8-a	6/17/2019	1079.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					0.00	0.04			0.04		Apr 1 - Jun 1	51	22	8, 17, 18	NENE, NENW, NENE, SWSW	46.90904056	-93.16112208	Wetlands with High or Outstanding Biodiversity Sites
Atkin	St. Louis	04010201	1	w-51n22w8-a	6/17/2019	1079.6	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS					0.00	0.00			0.00		Apr 1 - Jun 1	51	22	8, 17, 18	NENE, NENW, NENE, SWSW	46.90904056	-93.16112208	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Atkin	St. Louis	04010201	1	w-51n22w8-a	6/17/2019	1079.6	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS					0.00	0.01			0.01		Apr 1 - Jun 1	51	22	8, 17, 18	NENE, NENW, NENE, SWSW	46.90904056	-93.16112208	Wetlands with High or Outstanding Biodiversity Sites
Atkin	St. Louis	04010201	1	w-51n22w20-a	6/15/2019	1080.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					0.00	0.23			0.23		Apr 1 - Jun 1	51	22	20, 21	NESE, SWSW	46.88474241	-93.15247015	Old Growth Forested Wetlands, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Atkin	St. Louis	04010201	1	w-51n22w20-a	6/15/2019	1080.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				2,633.80	2,633.80	2.57	3.03		5.60		Apr 1 - Jun 1	51	22	20, 21	NESE, SWSW	46.88474241	-93.15247015	HCVF Wetlands, Old Growth Forested Wetlands, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Atkin	St. Louis	04010201	1	w-51n22w17-ab	8/24/2018	1080.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					0.00	0.10			0.10		Apr 1 - Jun 1	51	22	17	NENE	46.9092904	-93.14427919	Wetlands with High or Outstanding Biodiversity Sites
Atkin	St. Louis	04010201	1	w-51n22w17-y	6/23/2018	1080.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					0.00	0.02			0.02		Apr 1 - Jun 1	51	22	17	NENE	46.91057721	-93.1432638	Wetlands with High or Outstanding Biodiversity Sites
Atkin	St. Louis	04010201	1	w-51n22w21-a	9/7/2017	1081.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM					0.00	0.01			0.01		Apr 1 - Jun 1	51	22	21	SESE, SWSW	46.88436414	-93.13243174	Old Growth Forested Wetlands, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Atkin	St. Louis	04010201	1	w-51n22w21-a	9/7/2017	1081.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				306.39	306.39	0.29	0.35		0.63		Apr 1 - Jun 1	51	22	21	SESE, SWSW	46.88436414	-93.13243174	HCVF Wetlands, Old Growth Forested Wetlands, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Atkin	St. Louis	04010201	1	w-51n22w22-a ¹	6/17/2019	1083.7	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM					0.00	0.03			0.03		Apr 1 - Jun 15	51	21, 22	15, 16, 19, 20, 21, 22, 23, 24	NENE, NENW, NENE, NWNW, NENE, SWSW	46.88808038	-93.08852891	Old Growth Forested Wetlands, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Atkin	St. Louis	04010201	1	w-51n22w22-a ¹	6/17/2019	1083.7	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM					0.00	0.05			0.05		Apr 1 - Jun 15	51	21, 22	15, 16, 19, 20, 21, 22, 23, 24	NENE, NEN			

**Attachment D-1
Line 3 Replacement Project
Mainline Wetland Impact Table**

County	Major Watershed	Hydrologic Unit Code (HUC) #	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed *	Circular 39 *	Cowardin *	Bore Crossing Method Length (ft) b	HDD Crossing Method Length (ft) b	Push-Pull Crossing Method Length (ft) b	Standard Open Cut Crossing Method Length (ft) b	Total Crossing Length (ft) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Agency Designation	Construction Timing Restriction	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category *
Atkin	St. Louis	04010201	1	w-51n22w22-a ¹	6/17/2019	1083.7	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO				27.51	27.51	0.02	0.03		0.05		Apr 1 - Jun 15	51	21, 22	15, 16, 19, 20, 21, 22, 23, 24	NENE, NENW, NESE, NWNE, NWSE, NWSW, SENE, SESE, SESW, SWNE, SWSE, SWSW	46.8880838	-93.08852891	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites
Atkin	St. Louis	04010201	1	w-51n22w22-a ¹	6/17/2019	1083.7	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO				1,042.66	1,042.66	0.94	1.20		2.13		Apr 1 - Jun 15	51	21, 22	15, 16, 19, 20, 21, 22, 23, 24	NENE, NENW, NESE, NWNE, NWSE, NWSW, SENE, SESE, SESW, SWNE, SWSE, SWSW	46.8880838	-93.08852891	Cedar Swamp, HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
St. Louis	St. Louis	04010201	1	w-51n22w22-a ¹	6/17/2019	1083.7	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM				160.11	160.11	0.34			0.34		Apr 1 - Jun 15	51	21, 22	15, 16, 19, 20, 21, 22, 23, 24	NENE, NENW, NESE, NWNE, NWSE, NWSW, SENE, SESE, SESW, SWNE, SWSE, SWSW	46.8880838	-93.08852891	Wetlands with High or Outstanding Biodiversity Sites
St. Louis	St. Louis	04010201	1	w-51n22w22-a ¹	6/17/2019	1083.7	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM				0.00	0.00	1.08			1.08		Apr 1 - Jun 15	51	21, 22	15, 16, 19, 20, 21, 22, 23, 24	NENE, NENW, NESE, NWNE, NWSE, NWSW, SENE, SESE, SESW, SWNE, SWSE, SWSW	46.8880838	-93.08852891	
St. Louis	St. Louis	04010201	1	w-51n22w22-a ¹	6/17/2019	1083.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				0.00	0.00	1.16			1.16		Apr 1 - Jun 15	51	21, 22	15, 16, 19, 20, 21, 22, 23, 24	NENE, NENW, NESE, NWNE, NWSE, NWSW, SENE, SESE, SESW, SWNE, SWSE, SWSW	46.8880838	-93.08852891	
St. Louis	St. Louis	04010201	1	w-51n22w22-a ¹	6/17/2019	1083.7	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS				25.30	25.30	0.03	0.03		0.06		Apr 1 - Jun 15	51	21, 22	15, 16, 19, 20, 21, 22, 23, 24	NENE, NENW, NESE, NWNE, NWSE, NWSW, SENE, SESE, SESW, SWNE, SWSE, SWSW	46.8880838	-93.08852891	Wetlands with High or Outstanding Biodiversity Sites
St. Louis	St. Louis	04010201	1	w-51n22w22-a ¹	6/17/2019	1083.7	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS				1,165.07	1,165.07	2.42	1.23	0.18	3.83		Apr 1 - Jun 15	51	21, 22	15, 16, 19, 20, 21, 22, 23, 24	NENE, NENW, NESE, NWNE, NWSE, NWSW, SENE, SESE, SESW, SWNE, SWSE, SWSW	46.8880838	-93.08852891	
St. Louis	St. Louis	04010201	1	w-51n22w22-a ¹	6/17/2019	1083.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				4,313.71	4,313.71	26.06	4.96		31.03		Apr 1 - Jun 15	51	21, 22	15, 16, 19, 20, 21, 22, 23, 24	NENE, NENW, NESE, NWNE, NWSE, NWSW, SENE, SESE, SESW, SWNE, SWSE, SWSW	46.8880838	-93.08852891	
St. Louis	St. Louis	04010201	1	w-51n21w20-ac	8/25/2018	1085.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				0.00	0.00	9.55			9.55		Apr 1 - Jun 1	51	21	20	NENW, NWNW	46.89547502	-93.03447922	
St. Louis	St. Louis	04010201	1	w-51n21w20-ac	8/25/2018	1085.7	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS				0.00	0.00	2.25			2.25		Apr 1 - Jun 1	51	21	20	NENW, NWNW	46.89547502	-93.03447922	
St. Louis	St. Louis	04010201	1	w-51n21w20-ac	8/25/2018	1085.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				0.00	0.00	0.00			0.00		Apr 1 - Jun 1	51	21	20	NENW, NWNW	46.89547502	-93.03447922	
St. Louis	St. Louis	04010201	1	w-51n21w20-a	6/16/2018	1085.7	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM				78.94	78.94	0.06			0.06		Apr 1 - Jun 15	51	21	20	NESW, NWSW	46.8898125	-93.0339564	
St. Louis	St. Louis	04010201	1	w-51n21w20-a	6/16/2018	1085.7	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS				525.96	501.04	0.50		0.94	1.44		Apr 1 - Jun 15	51	21	20	NESW, NWSW	46.8898125	-93.0339564	
St. Louis	St. Louis	04010201	1	w-51n21w20-a	6/16/2018	1085.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				114.16	20.55	0.45		0.16	0.61		Apr 1 - Jun 15	51	21	20	NESW, NWSW	46.8898125	-93.0339564	
St. Louis	St. Louis	04010201	1	w-51n21w20-a	6/16/2018	1085.7	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO				739.51	739.51	1.15		0.85	2.00		Apr 1 - Jun 15	51	21	20	NESW, NWSW	46.8898125	-93.0339564	
St. Louis	St. Louis	04010201	1	w-51n21w20-ab	8/25/2018	1085.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				0.00	0.00	0.12			0.12		Apr 1 - Jun 1	51	21	20	NENW	46.8966093	-93.0323519	
St. Louis	St. Louis	04010201	1	w-51n21w22-a	9/25/2018	1087.3	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM				0.00	0.00	0.23			0.23		Apr 1 - Jun 15	51	21	15, 20, 21, 22	NESE, NESW, NWNW, NWSE, NWSW, SWNW, SWSW	46.88987527	-93.00274722	
St. Louis	St. Louis	04010201	1	w-51n21w22-a	9/25/2018	1087.3	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM				220.25	220.25	0.49			0.49		Apr 1 - Jun 15	51	21	15, 20, 21, 22	NESE, NESW, NWNW, NWSE, NWSW, SWNW, SWSW	46.88987527	-93.00274722	
St. Louis	St. Louis	04010201	1	w-51n21w22-a	9/25/2018	1087.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				1,011.24	1,011.24	2.28			2.28		Apr 1 - Jun 15	51	21	15, 20, 21, 22	NESE, NESW, NWNW, NWSE, NWSW, SWNW, SWSW	46.88987527	-93.00274722	
St. Louis	St. Louis	04010201	1	w-51n21w22-a	9/25/2018	1087.3	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS				330.15	9,163.24	10.00	10.71		20.72		Apr 1 - Jun 15	51	21	15, 20, 21, 22	NESE, NESW, NWNW, NWSE, NWSW, SWNW, SWSW	46.88987527	-93.00274722	
St. Louis	St. Louis	04010201	1	w-51n21w22-a	9/25/2018	1087.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				316.38	2,163.13	2.32	2.71		5.03		Apr 1 - Jun 15	51	21	15, 20, 21, 22	NESE, NESW, NWNW, NWSE, NWSW, SWNW, SWSW	46.88987527	-93.00274722	
St. Louis	St. Louis	04010201	1	w-51n21w22-a	9/25/2018	1087.3	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO				613.22	613.22	0.58	0.70		1.28		Apr 1 - Jun 15	51	21	15, 20, 21, 22	NESE, NESW, NWNW, NWSE, NWSW, SWNW, SWSW	46.88987527	-93.00274722	
St. Louis	St. Louis	04010201	1	w-51n21w23-a	8/28/2018	1089.1	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM				167.61	167.61	0.51			0.51		Apr 1 - Jun 1	51	21	22, 23	NENE, NESE, NESW, NWSE, NWSW, SENE, SWNE	46.88879443	-92.96424934	
St. Louis	St. Louis	04010201	1	w-51n21w23-a	8/28/2018	1089.1	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM				9.39	9.39	0.08			0.08		Apr 1 - Jun 1	51	21	22, 23	NENE, NESE, NESW, NWSE, NWSW, SENE, SWNE	46.88879443	-92.96424934	
St. Louis	St. Louis	04010201	1	w-51n21w23-a	8/28/2018	1089.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM				99.46	99.46	0.26			0.26		Apr 1 - Jun 1	51	21	22, 23	NENE, NESE, NESW, NWSE, NWSW, SENE, SWNE	46.88879443	-92.96424934	
St. Louis	St. Louis	04010201	1	w-51n21w23-a	8/28/2018	1089.1	4A - Open Bog	Type 8 - Bog	PEM				231.10	231.10	0.58			0.58		Apr 1 - Jun 1	51	21	22, 23	NENE, NESE, NESW, NWSE, NWSW, SENE, SWNE	46.88879443	-92.96424934	
St. Louis	St. Louis	04010201	1	w-51n21w23-a	8/28/2018	1089.1	4B - Coniferous Bog	Type 8 - Bog	PFO				1,540.32	1,540.32	1.64	1.77		3.41		Apr 1 - Jun 1	51	21	22, 23	NENE, NESE, NESW, NWSE, NWSW, SENE, SWNE	46.88879443	-92.96424934	
St. Louis	St. Louis	04010201	1	w-51n21w23-a	8/28/2018	1089.1	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS				1,092.41	1,092.41	1.54	1.25		2.79		Apr 1 - Jun 1	51	21	22, 23	NENE, NESE, NESW, NWSE, NWSW, SENE, SWNE	46.88879443	-92.96424934	
St. Louis	St. Louis	04010201	1	w-51n21w23-a	8/28/2018	1089.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				1,909.28	1,909.28	2.48	1.98	0.17	4.64		Apr 1 - Jun 1	51	21	22, 23	NENE, NESE, NESW, NWSE, NWSW, SENE, SWNE	46.88879443	-92.96424934	
St. Louis	St. Louis	04010201	1	w-51n21w24-a	9/11/2017	1099.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				339.89	339.89	0.46	0.42		0.88		Apr 1 - Jun 1	51	21	24	NWSW	46.8814577	-92.9523539	
St. Louis	St. Louis	04010201	1	w-51n21w24-b ¹	6/11/2019	1090.6	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM				230.14	230.14	0.69			0.69		Apr 1 - Jun 1	51	20, 21	19, 24	NENE, NESE, NESW, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.88610962	-92.93312228	
St. Louis	St. Louis	04010201	1	w-51n21w24-b ¹	6/11/2019	1090.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	68.35			881.48	949.84	2.18			2.18		Apr 1 - Jun 1	51	20, 21	19, 24	NENE, NESE, NESW, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.88610962	-92.93312228	
St. Louis	St. Louis	04010201	1	w-51n21w24-b ¹	6/11/2019	1090.6	4A - Open Bog	Type 8 - Bog	PEM				361.79	361.79	1.41			1.41		Apr 1 - Jun 1	51	20, 21	19, 24	NENE, NESE, NESW, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.88610962	-92.93312228	
St. Louis	St. Louis	04010201	1	w-51n21w24-b ¹	6/11/2019	1090.6	4B - Coniferous Bog	Type 8 - Bog	PFO				2,795.16	2,795.16	2.24	3.00		5.24		Apr 1 - Jun 1	51	20, 21	19, 24	NENE, NESE, NESW, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.88610962	-92.93312228	
St. Louis	St. Louis	04010201	1	w-51n21w24-b ¹	6/11/2019	1090.6	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS				2,636.79	2,636.79	2.48	2.97		5.45		Apr 1 - Jun 1	51	20, 21	19, 24	NENE, NESE, NESW, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.88610962	-92.93312228	
St. Louis	St. Louis	04010201	1	w-51n21w24-b ¹	6/11/2019	1090.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				45.72	45.72	0.04	0.04		0.08		Apr 1 - Jun 1	51	20, 21	19, 24	NENE, NESE, NESW, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.88610962	-92.93312228	Forested Seasonal Ponds
St. Louis	St. Louis	04010201	1	w-51n21w24-b ¹	6/11/2019	1090.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO				923.84	923.84	1.05	1.14		2.19		Apr 1 - Jun 1	51	20, 21	19, 24	NENE, NESE, NESW, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.88610962	-92.93312228	
St. Louis	St. Louis	04010201	1	w-51n20w20-a	9/11/2017	1092.4	3B - Fresh (wet) Meadow	Type																			

Attachment D-1

Line 3 Replacement Project

Mainline Wetland Impact Table

County	Major Watershed	Hydrologic Unit Code (HUC) #	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed *	Circular 39 *	Cowardin *	Bore Crossing Method Length (ft) b	HDD Crossing Method Length (ft) b	Push-Pull Crossing Method Length (ft) b	Standard Open Cut Crossing Method Length (ft) b	Total Crossing Length (ft) b	Temporary Impacts (acres) c	Permanent Conversion (acres) d	Permanent Fill (acres)	Total Impacts (acres)	Agency Designation	Construction Timing Restriction	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category *
St. Louis	St. Louis	04010201	1	w-50n19w22-a	7/18/2018	1103.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO					0.00	0.06			0.06		Apr 1 - Jun 15	50	19	22, 26, 27, 35		46.78973844	-92.72739635	Wetlands with High or Outstanding Biodiversity Sites
St. Louis	St. Louis	04010201	1	w-50n19w22-a	7/18/2018	1103.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO					0.00	0.58	0.07	0.06	0.72		Apr 1 - Jun 15	50	19	22, 26, 27, 35		46.78973844	-92.72739635	Wetlands with High or Outstanding Biodiversity Sites
Carlton	St. Louis	04010201	1	w-48n17w6-a	7/12/2018	1116.3	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	323.46	323.46	0.82	0.82					0.82		Apr 1 - Jun 1	48	17	8		46.6582039	-92.52923013	Wetlands Hydrologically Connected to Trout Streams
Carlton	St. Louis	04010201	1	w-48n17w6-a	7/12/2018	1116.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	756.65	756.65	1.14	1.14					1.14		Apr 1 - Jun 1	48	17	8		46.6582039	-92.52923013	Wetlands Hydrologically Connected to Trout Streams
Carlton	St. Louis	04010201	1	w-48n17w6-a	7/12/2018	1116.3	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.00	0.00	0.21	0.21					0.21		Apr 1 - Jun 1	48	17	8		46.6582039	-92.52923013	Wetlands Hydrologically Connected to Trout Streams
Carlton	St. Louis	04010201	1	w-48n17w6-a	7/12/2018	1116.3	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	0.00	0.00	0.02	0.02					0.02		Apr 1 - Jun 1	48	17	8		46.6582039	-92.52923013	Forested Seasonal Ponds, Wetlands Hydrologically Connected to Trout Streams
Carlton	St. Louis	04010201	1	w-48n17w6-b	7/12/2018	1116.3	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	0.00	0.00	0.18	0.18					0.18	0.04	Apr 1 - Jun 1	48	17	8		46.6582039	-92.52923013	Wetlands Hydrologically Connected to Trout Streams
Carlton	St. Louis	04010201	1	w-48n17w6-b	9/16/2017	1116.9	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	1,316.43	1,316.43	2.11	2.11					2.11		Apr 1 - Jun 15	48	17	8		46.65435128	-92.51988451	Wetlands Hydrologically Connected to Trout Streams
Carlton	St. Louis	04010201	1	w-48n17w6-b	9/16/2017	1116.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	1,010.49	1,010.49	1.69	1.69					1.69		Apr 1 - Jun 15	48	17	8		46.65435128	-92.51988451	Wetlands Hydrologically Connected to Trout Streams
Carlton	St. Louis	04010201	1	w-48n17w6-b	9/16/2017	1116.9	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	449.99	449.99	0.77	0.77					0.77	0.53	Apr 1 - Jun 15	48	17	8		46.65435128	-92.51988451	Wetlands Hydrologically Connected to Trout Streams
Carlton	St. Louis	04010201	1	w-48n17w6-b	9/16/2017	1116.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	252.54	252.54	0.69	0.69					0.69	0.32	Apr 1 - Jun 15	48	17	8		46.65435128	-92.51988451	Wetlands Hydrologically Connected to Trout Streams
Carlton	St. Louis	04010201	1	w-48n17w6-b	9/16/2017	1116.9	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	0.00	0.00	0.50	0.50					0.50	0.09	Apr 1 - Jun 15	48	17	8		46.65435128	-92.51988451	Wetlands Hydrologically Connected to Trout Streams
Carlton	St. Louis	04010201	1	w-48n17w6-a	10/8/2018	1117.8	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	70.22	70.22	1.92	1.92					1.92		Apr 1 - Jun 1	48	17	16		46.6450995	-92.50613905	Wetlands Hydrologically Connected to Trout Streams
Carlton	St. Louis	04010201	1	w-48n17w6-a	10/8/2018	1117.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	25.47	25.47	2.03	2.03					2.03	0.03	Apr 1 - Jun 1	48	17	16		46.6450995	-92.50613905	Wetlands Hydrologically Connected to Trout Streams
Carlton	St. Louis	04010201	1	w-48n17w6-a	10/8/2018	1117.8	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.00	0.00	0.32	0.32					0.32	0.00	Apr 1 - Jun 1	48	17	16		46.6450995	-92.50613905	Wetlands Hydrologically Connected to Trout Streams
Carlton	St. Louis	04010201	1	w-48n17w6-a	10/8/2018	1117.8	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	0.00	0.00	0.04	0.04					0.04	0.00	Apr 1 - Jun 1	48	17	16		46.6450995	-92.50613905	Wetlands Hydrologically Connected to Trout Streams
Carlton	St. Louis	04010201	1	w-48n17w6-a	10/8/2018	1117.8	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PSS	0.00	0.00	0.48	0.48					0.48	0.00	Apr 1 - Jun 1	48	17	16		46.6450995	-92.50613905	Wetlands Hydrologically Connected to Trout Streams
Carlton	St. Louis	04010201	1	w-48n17w6-h	6/19/2018	1118.0	5A - Shrub-Carr	Type 6 - Shrub Swamp	PFO	109.99	109.99	0.11	0.11					0.11	0.03	Apr 1 - Jun 1	48	17	16		46.64485008	-92.50222007	Wetlands Hydrologically Connected to Trout Streams
Carlton	St. Louis	04010201	1	w-48n17w6-i	6/19/2018	1118.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	85.23	85.23	3.02	3.02					3.02		Apr 1 - Jun 15	48	17	16		46.64424223	-92.49921617	Wetlands Hydrologically Connected to Trout Streams
Carlton	St. Louis	04010201	1	w-48n17w6-i	6/19/2018	1118.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PSS	0.00	0.00	0.95	0.95					0.95		Apr 1 - Jun 15	48	17	16		46.64424223	-92.49921617	Wetlands Hydrologically Connected to Trout Streams
Carlton	St. Louis	04010201	1	w-48n17w6-i	6/19/2018	1118.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.00	0.00	0.54	0.54					0.54		Apr 1 - Jun 15	48	17	16		46.64424223	-92.49921617	Wetlands Hydrologically Connected to Trout Streams
Carlton	St. Louis	04010201	1	w-48n17w6-i	6/19/2018	1118.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.00	0.00	0.13	0.13					0.13		Apr 1 - Jun 15	48	17	16		46.64424223	-92.49921617	Wetlands Hydrologically Connected to Trout Streams
Carlton	Beauregard-Nemadji	04010301	1	w-48n17w15-c	9/18/2017	1119.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	114.52	114.52	0.21	0.21					0.21		Apr 1 - Jun 1	48	17	15		46.63547168	-92.4742011	SESE
Carlton	Beauregard-Nemadji	04010301	1	w-48n17w23-aa	8/8/2019	1120.1	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.00	0.00	0.03	0.03					0.03		Apr 1 - Jun 1	48	17	23		46.6319219	-92.45880351	Meandered water body, NWNE
Carlton	Beauregard-Nemadji	04010301	1	w-48n17w23-ab	7/18/2019	1120.2	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.00	0.00	0.09	0.09					0.09		Apr 1 - Jun 1	48	17	23		46.63369698	-92.45943087	NWNE, NWNE
Carlton	Beauregard-Nemadji	04010301	1	CR101a1W	6/10/2014	1120.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PSS	50.62	50.62	0.05	0.05				0.05	0.05	Public Water	Apr 1 - Jun 1	48	17	14		46.63727619	-92.46136372	SESE
Carlton	Beauregard-Nemadji	04010301	1	CR101d1W	6/12/2015	1120.3	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.00	0.00	0.01	0.01					0.01		Apr 1 - Jun 1	48	17	14, 23		46.63441988	-92.45947798	NENW, SESE, SWSE
Carlton	Beauregard-Nemadji	04010301	1	CR101d1W	6/12/2015	1120.3	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	0.00	0.00	0.04	0.04					0.04		Apr 1 - Jun 1	48	17	14, 23		46.63441988	-92.45947798	NENW, SESE, SWSE
Carlton	Beauregard-Nemadji	04010301	1	CR102a1W	6/10/2014	1120.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.00	0.00	0.00	0.00					0.00		Apr 1 - Jun 1	48	17	14		46.63602007	-92.45891567	SWSE
Carlton	Beauregard-Nemadji	04010301	1	CR103b1W	6/9/2014	1120.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.00	0.00	0.00	0.00					0.00		Apr 1 - Jun 1	48	17	14		46.63761212	-92.4579735	SWSE
Carlton	Beauregard-Nemadji	04010301	1	CR103b1W	6/9/2014	1120.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	23.58	23.58	0.01	0.01				0.03	0.04		Apr 1 - Jun 1	48	17	14		46.63761212	-92.4579735	Forested Seasonal Ponds
Carlton	Beauregard-Nemadji	04010301	1	CR103c1W	6/9/2014	1120.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.00	0.00	0.03	0.03					0.03		Apr 1 - Jun 1	48	17	14		46.63754785	-92.45796794	Forested Seasonal Ponds
Carlton	Beauregard-Nemadji	04010301	1	CR104a1W	7/15/2013	1120.5	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	52.96	52.96	0.06	0.06					0.06		Apr 1 - Jun 1	48	17	14		46.63782698	-92.45411132	SESE, SWSE
Carlton	Beauregard-Nemadji	04010301	1	CR104a1W	7/15/2013	1120.5	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	38.48	38.48	96.42	96.42					96.42	0.11	Apr 1 - Jun 1	48	17	14		46.63782698	-92.45411132	SESE, SWSE
Carlton	Beauregard-Nemadji	04010301	1	CR117a1W	7/15/2013	1121.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.00	0.00	0.02	0.02					0.02		Apr 1 - Jun 1	48	17	24		46.62923888	-92.43732246	Forested Seasonal Ponds
Carlton	Beauregard-Nemadji	04010301	1	CR117b1W	7/22/2014	1121.6	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.00	0.00	0.00	0.00					0.00		Apr 1 - Jun 1	48	17	24		46.62978028	-92.43673878	SENE
Carlton	Beauregard-Nemadji	04010301	1	CR119c1W	6/13/2013	1122.4	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	259.93	259.93	0.53	0.53					0.53		Apr 1 - Jun 1	48	16	19		46.624304	-92.42226966	Wetlands Hydrologically Connected to Trout Streams
Carlton	Beauregard-Nemadji	04010301	1	CR120a1W	6/13/2013	1122.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.00	0.00	0.09	0.09					0.09		Apr 1 - Jun 1	48	16	19		46.62366832	-92.42106188	Wetlands Hydrologically Connected to Trout Streams
Carlton	Beauregard-Nemadji	04010301	1	CR123a1W	6/13/2013	1122.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.00	0.00	0.23	0.23					0.23		Apr 1 - Jun 1	48	16	30		46.61971365	-92.41570165	Wetlands Hydrologically Connected to Trout Streams
Carlton	Beauregard-Nemadji	04010301	1	CR124a1W	6/2/2014	1123.0	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.00	0.00	0.02	0.02					0.02		Apr 1 - Jun 1	48	16	30		46.61822729	-92.41404611	Wetlands Hydrologically Connected to Trout Streams
Carlton	Beauregard-Nemadji	04010301	1	CR126a1W	6/13/2013	1123.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	326.10	326.10	0.42	0.42					0.42		Apr 1 - Jun 1	48	16	30		46.61663783	-92.41147236	Wetlands Hydrologically Connected to Trout Streams
Carlton	Beauregard-Nemadji	04010301	1	CR126a1W																							

Attachment D-2
Line 3 Replacement Project
Access Road/Haul Route Wetland Impact Table

Feature Type	Access Road / Haul Route Name	County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed ^a	Circular 39 ^a	Cowardin ^a	Total Temporary Impacts (acres) ^b	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category ^c
Haul Route	Corner Improvement	Kitson	Middle Red	09020311	3	w-160n50w3-ha	7/31/2019	801.6	3B - Fresh (wet) Meadow	Type 2 - Wet meadows	PEM	0.11	160	50	3, 4	NENE, NWNW	48.71647962	-97.10692104	
Access Road	AR1005-b	Kitson	Middle Red	09020311	3	w-160n50w9-a	7/7/2015	801.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.01	160	50	4, 9	NENE, NWNE, SESE	48.70373841	-97.11316962	
Access Road	AR1005-c	Kitson	Middle Red	09020311	3	w-160n50w9-a	7/7/2015	801.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.38	160	50	4, 9	NENE, NWNE, SESE	48.70373841	-97.11316962	
Haul Route	Corner Improvement	Kitson	Middle Red	09020311	3	w-160n50w10-ha	8/2/2019	802.9	3B - Fresh (wet) Meadow	Type 2 - Wet meadows	PEM	0.05	160	50	10	NENE	48.703863	-97.08498278	
Haul Route	Corner Improvement	Kitson	Middle Red	09020311	3	w-160n50w11-ha	8/2/2019	802.9	3B - Fresh (wet) Meadow	Type 2 - Wet meadows	PEM	0.05	160	50	11	NWNW	48.7038693	-97.08460757	
Haul Route	Corner Improvement	Kitson	Middle Red	09020311	3	w-160n49w6-ha	7/31/2019	803.5	3B - Fresh (wet) Meadow	Type 2 - Wet meadows	PEM	0.03	160	49	6	NWNW	48.71681872	-97.04069146	
Haul Route	Corner Improvement	Kitson	Two Rivers	09020312	3	w-161n49w31-ha	7/31/2019	803.5	3B - Fresh (wet) Meadow	Type 2 - Wet meadows	PEM	0.02	160, 161	49	6, 31	NWNW, SESE	48.71703416	-97.04055827	
Haul Route	Corner Improvement	Kitson	Middle Red	09020311	3	w-160n50w1-ha	7/31/2019	804.0	3B - Fresh (wet) Meadow	Type 2 - Wet meadows	PEM	0.04	160	50	1	SESE	48.70443557	-97.04162391	
Haul Route	Corner Improvement	Kitson	Middle Red	09020311	3	w-159n48w32-ha	7/30/2019	817.7	3B - Fresh (wet) Meadow	Type 2 - Wet meadows	PEM	0.01	159	48	32	SESE	48.54343516	-96.86800773	
Haul Route	Corner Improvement	Marshall	Middle Red	09020311	3	w-156n47w12-ha	7/27/2019	834.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.07	156	47	12	NWNW	48.35480769	-96.6525234	
Haul Route	Corner Improvement	Marshall	Snake	09020309	3	w-156n46w18-ha	7/27/2019	836.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.05	156	46	18	NENE	48.34024759	-96.61004335	
Haul Route	Corner Improvement	Marshall	Snake	09020309	3	w-156n46w20-ha	7/27/2019	837.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.04	156	46	20, 29	NWNW, SWSW	48.31189744	-96.60930623	
Access Road	AR1018	Marshall	Snake	09020309	3	w-156n46w21-g	7/8/2015	838.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.00	156	46	21	NESW, SESW	48.31546635	-96.58089637	
Access Road	AR1019	Marshall	Snake	09020309	3	w-156n46w21-f	8/21/2014	838.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.00	156	46	28	NENW	48.31178554	-96.57766417	
Haul Route	Corner Improvement	Marshall	Snake	09020309	3	w-155n46w15-ha	7/27/2019	842.9	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	0.01	155	46	15	SWSW	48.23924134	-96.56540156	
Haul Route	Corner Improvement	Marshall	Snake	09020309	3	w-155n46w22-ha	7/27/2019	842.9	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	0.01	155	46	22	NWNW	48.23903947	-96.56541278	
Access Road	AR1020-a	Marshall	Snake	09020309	3	w-155n46w12-c	8/1/2014	843.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.00	155	46	12	NWNE	48.26812331	-96.50776023	
Access Road	AR1020-a	Marshall	Snake	09020309	3	w-155n46w12-d	8/14/2015	843.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.00	155	46	12	NWNE, SENE, SWNE	48.26478379	-96.50675953	
Access Road	AR1067	Marshall	Snake	09020309	3	w-155n45w17-a	8/4/2014	845.4	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.03	155	45	17, 20	NENW, NWSW, SESW, SWSW	48.24131793	-96.47409255	
Access Road	AR1020.7	Marshall	Snake	09020309	3	w-155n45w20-a	8/6/2014	845.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.02	155	45	20	NENW	48.23860534	-96.4702785	Wetlands with Known Occurrences of MDNR State-Listed Species
Access Road	AR1020.7	Marshall	Snake	09020309	3	w-155n45w20-a	8/6/2014	845.8	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.04	155	45	20	NENW	48.23860534	-96.4702785	Wetlands with Known Occurrences of MDNR State-Listed Species
Haul Route	Corner Improvement	Pennington	Red Lake	09020303	3	w-153n44w3-ha	7/26/2019	858.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.06	153	44	3, 10	NWNW, SWSW	48.09346713	-96.3058666	
Access Road	AR1027.2	Pennington	Red Lake	09020303	3	w-153n44w11-b	7/9/2015	859.5	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	0.00	153	44	11	NWNE	48.09267265	-96.27260817	
Access Road	AR1027.2	Pennington	Red Lake	09020303	3	w-153n44w11-b	7/9/2015	859.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.00	153	44	11	NWNE	48.09267265	-96.27260817	
Access Road	AR1027.2	Pennington	Red Lake	09020303	3	w-153n44w11-a	9/29/2014	859.5	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	0.01	153	44	11	NWNE	48.09290183	-96.27120995	
Haul Route	Corner Improvement	Pennington	Red Lake	09020303	3	w-153n43w30-ha	7/26/2019	863.5	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.02	153	43	30	SWSW	48.03516825	-96.24090519	
Access Road	AR1037-a	Red Lake	Clearwater	09020305	3	w-151n42w15-s	10/2/2014	877.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.00	151	42	15	NWNE	47.90551748	-96.01606325	
Access Road	AR1037-a	Red Lake	Clearwater	09020305	3	w-151n42w15-hh	10/3/2014	877.3	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.01	151	42	15	NWNE	47.90533967	-96.01595834	
Access Road	AR1037-b	Red Lake	Clearwater	09020305	3	w-151n42w15-hh	10/3/2014	877.3	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.00	151	42	15	NWNE	47.90533967	-96.01595834	
Access Road	AR1052-a	Clearwater	Clearwater	09020305	3	w-149n38w16-j	7/9/2015	902.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.00	149	38	9, 16	NWNW, SWSW	47.73154017	-95.53515913	
Access Road	AR1055	Clearwater	Clearwater	09020305	3	w-149n38w15-b	10/14/2014	904.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.01	149	38	15	NWSW	47.72194699	-95.51362628	
Access Road	AR1055	Clearwater	Clearwater	09020305	3	w-149n38w15-c	10/14/2014	904.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.00	149	38	15	NWSW	47.72165083	-95.51385029	
Access Road	AR292-c	Clearwater	Clearwater	09020305	3	CL016a1W	7/1/2016	906.3	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	0.03	149	38	23, 24, 25	NENW, NESE, NWSE, SESE, SESW, SWSE, SWSW	47.70491394	-95.47314972	
Access Road	AR292-c	Clearwater	Clearwater	09020305	3	CL016a1W	7/1/2016	906.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.00	149	38	23, 24, 25	NENW, NESE, NWSE, SESE, SESW, SWSE, SWSW	47.70491394	-95.47314972	
Access Road	AR292-c	Clearwater	Clearwater	09020305	3	CL016a1W	7/1/2016	906.3	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.00	149	38	23, 24, 25	NENW, NESE, NWSE, SESE, SESW, SWSE, SWSW	47.70491394	-95.47314972	
Access Road	AR292-d	Clearwater	Clearwater	09020305	3	CL016a1W	7/1/2016	906.3	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	0.07	149	38	23, 24, 25	NENW, NESE, NWSE, SESE, SESW, SWSE, SWSW	47.70491394	-95.47314972	
Access Road	AR292-d	Clearwater	Clearwater	09020305	3	CL016a1W	7/1/2016	906.3	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.01	149	38	23, 24, 25	NENW, NESE, NWSE, SESE, SESW, SWSE, SWSW	47.70491394	-95.47314972	
Access Road	AR485	Clearwater	Clearwater	09020305	3	CLC5013b1W	6/20/2017	915.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.08	148	37	17, 20	NWNW, SESW, SWSW	47.63101588	-95.40064051	
Access Road	AR298.1-a	Clearwater	Clearwater	09020305	3	w-148n37w20-a	6/20/2017	915.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.00	148	37	20	NWNW, SWSW	47.62693448	-95.40161291	
Access Road	AR298.1-a	Clearwater	Clearwater	09020305	3	w-148n37w20-b	6/20/2017	915.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.01	148	37	20	NWNW, SWSW	47.62445836	-95.40224648	
Access Road	AR298.1-a	Clearwater	Clearwater	09020305	3	w-148n37w20-b	6/20/2017	915.4	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.00	148	37	20	NWNW, SWSW	47.62445836	-95.40224648	
Access Road	AR298.1-b	Clearwater	Clearwater	09020305	3	w-148n37w20-e	7/17/2015	916.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.01	148	37	20	SWSW	47.61872728	-95.40167485	
Access Road	AR298.1-a	Clearwater	Clearwater	09020305	3	w-148n37w20-c	7/16/2015	916.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.00	148	37	20	SWSW	47.61816929	-95.40366162	
Access Road	AR299.1	Clearwater	Clearwater	09020305	3	w-148n37w29-aa	7/21/2016	916.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.03	148	37	29	NESW	47.60697651	-95.39837816	
Access Road	AR299.1	Clearwater	Clearwater	09020305	3	CLC5017c1W	7/12/2013	916.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.01	148	37	29	NESW, NWSE	47.60723638	-95.39570782	
Access Road	AR300-b	Clearwater	Clearwater	09020305	3	CLC5017c1W	7/12/2013	916.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.00	148	37	29	NESW, NWSE	47.60723638	-95.39570782	
Access Road	AR304-b	Clearwater	Clearwater	09020305	3	CLC5037a1W	10/2/2014	922.1	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.01	147	37	21	NESW, SESW	47.53452478	-95.37582295	Wetlands Hydrologically Connected to Wild Rice Waters
Access Road	AR305-a	Clearwater	Clearwater	09020305	3	w-146n37w2-a1	10/1/2014	925.3	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.00	146	37	2	NENW	47.49967956	-95.33065695	
Access Road	AR305-b	Clearwater	Clearwater	09020305	3	w-146n37w2-a1	10/1/2014	925.3	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.04	146	37	2	NENW	47.49967956	-95.33065695	
Access Road	AR305-b	Clearwater	Clearwater	09020305	3	w-147n37w35-a1	10/1/2014	925.3	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.01	146	37	2	NENW	47.49959224	-95.33051474	
Access Road	AR305-b	Clearwater	Clearwater	09020305	3	w-146n37w2-b1	10/1/2014	925.4	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.01	146	37	2	NENW	47.49721132	-95.33266909	
Access Road	AR306-a	Clearwater	Clearwater	09020305	3	w-146n37w2-b d	7/23/2015	925.4	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	0.01	146	37	2	NENW	47.49714191	-95.33068398	
Access Road	AR306-a	Clearwater	Clearwater	09020305	3	w-146n37w2-b d	7/23/2015	925.4	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PUB	0.00	146	37	2	NENW	47.49714191	-95.33068398	
Access Road	AR527	Clearwater	Clearwater	09020305															

Attachment D-2
Line 3 Replacement Project
Access Road/Haul Route Wetland Impact Table

Feature Type	Access Road / Haul Route Name	County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed ^a	Circular 39 ^a	Cowardin ^a	Total Temporary Impacts (acres) ^b	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category ^c
Access Road	AR707-a	Hubbard	Crow Wing	07010106	5	w-142n35w20-ab	10/10/2018	958.7	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.01	142	35	20	SWNW	47.10262677	-95.15060726	
Access Road	AR329	Hubbard	Crow Wing	07010106	5	HUC50621W	8/26/2014	959.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.00	142	35	29	SWNW	47.08729883	-95.14779177	
Access Road	AR329	Hubbard	Crow Wing	07010106	5	HUC506201W	8/27/2014	959.7	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	0.00	142	35	29	SWNW	47.08736031	-95.14691835	
Access Road	AR330.01-a	Hubbard	Crow Wing	07010106	5	w-141n35w5-a	7/16/2015	961.2	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	0.01	141	35	5	NWNW	47.06450621	-95.15024252	
Access Road	AR330.01-b	Hubbard	Crow Wing	07010106	5	w-141n35w5-a	7/16/2015	961.2	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	0.05	141	35	5	NWNW	47.06450621	-95.15024252	
Access Road	AR330.01-b	Hubbard	Crow Wing	07010106	5	w-141n35w5-a	7/16/2015	961.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.01	141	35	5	NWNW	47.06450621	-95.15024252	
Access Road	AR330.01-b	Hubbard	Crow Wing	07010106	5	w-141n35w5-a	7/16/2015	961.2	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	0.02	141	35	5	NWNW	47.06450621	-95.15024252	
Access Road	AR330.01-b	Hubbard	Crow Wing	07010106	5	w-141n35w5-a	7/16/2015	961.2	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	0.04	141	35	5	NWNW	47.06450621	-95.15024252	
Access Road	AR330.1	Hubbard	Crow Wing	07010106	5	HUC5072b1W	7/16/2015	962.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.16	141	35	5	NESW, SESW, SWSE	47.05321504	-95.14122731	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters
Access Road	AR330.1	Hubbard	Crow Wing	07010106	5	HUC5072b1W	7/16/2015	962.1	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	0.14	141	35	5	NESW, SESW, SWSE	47.05321504	-95.14122731	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters
Access Road	AR480	Hubbard	Crow Wing	07010106	5	w-141n35w20-a	6/9/2017	964.8	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.04	141	35	20	NWSW	47.01458597	-95.14929864	
Access Road	AR335.3	Hubbard	Crow Wing	07010106	5	w-141n35w31-a	7/15/2015	967.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.05	141	35	31	SESE	46.97863071	-95.14947669	
Access Road	AR335.3	Hubbard	Crow Wing	07010106	5	w-141n35w31-a	7/15/2015	967.3	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.00	141	35	31	SESE	46.97863071	-95.14947669	
Access Road	AR339.01	Hubbard	Crow Wing	07010106	5	HUC5126d1W	7/15/2015	975.3	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	0.01	139	35	7	SESE	46.86597052	-95.14388011	
Access Road	AR353.4-d	Wadena	Crow Wing	07010106	5	w-138n33w11-aa	7/25/2016	996.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.00	138	33	11	NENE	46.7864252	-94.81054334	Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR353.4-d	Wadena	Crow Wing	07010106	5	w-138n33w11-aa	7/25/2016	996.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.00	138	33	11	NENE	46.7864252	-94.81054334	Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR353.4-d	Wadena	Crow Wing	07010106	5	w-138n33w11-ab	7/25/2016	996.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.02	138	33	11	NENE	46.78635752	-94.81036117	Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR353.4-d	Wadena	Crow Wing	07010106	5	w-138n33w11-ab	7/25/2016	996.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.00	138	33	11	NENE	46.78635752	-94.81036117	Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR354.3-a	Wadena	Crow Wing	07010106	5	w-138n33w1-aa	8/6/2018	997.5	5A - Shrub-Carr	Type 6 - Shrub Swamp	PEM	0.03	138	33	1	SESE	46.79304288	-94.78815019	
Access Road	AR354.3-a	Wadena	Crow Wing	07010106	5	w-138n33w1-aa	8/6/2018	997.5	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.04	138	33	1	SESE	46.79304288	-94.78815019	
Access Road	AR354.3-a	Wadena	Crow Wing	07010106	5	w-138n33w1-ac	7/25/2016	997.5	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	0.06	138	33	1	SESE	46.79297802	-94.78839882	
Access Road	AR354.3-a	Wadena	Crow Wing	07010106	5	w-138n33w1-ac	7/25/2016	997.5	5A - Shrub-Carr	Type 6 - Shrub Swamp	PEM	0.00	138	33	1	SESE	46.79293015	-94.78712279	
Access Road	AR358.1-a	Cass	Crow Wing	07010106	5	CAC5010b1W	8/21/2013	1000.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.05	138	32	3, 4	SESE, SESW, SWSE, SWSW	46.7915588	-94.71221815	
Access Road	AR358.1-a	Cass	Crow Wing	07010106	5	CAC5010b1W	8/21/2013	1000.9	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.01	138	32	3, 4	SESE, SESW, SWSE, SWSW	46.7915588	-94.71221815	
Access Road	AR358.2	Cass	Crow Wing	07010106	5	CAC5010b1W	8/21/2013	1000.9	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.00	138	32	3, 4	SESE, SESW, SWSE, SWSW	46.7915588	-94.71221815	
Access Road	AR358-b	Cass	Crow Wing	07010106	5	CAC5010b1W	8/21/2013	1000.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.00	138	32	3, 4	SESE, SESW, SWSE, SWSW	46.7915588	-94.71221815	
Access Road	AR358-b	Cass	Crow Wing	07010106	5	CAC5010c1W	8/21/2013	1001.3	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	0.01	138	32	3	SWSE	46.79121287	-94.70917918	
Access Road	AR358.1-a	Cass	Crow Wing	07010106	5	CAC5010a1W	7/13/2015	1001.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.10	138	32	3	SESE	46.79071825	-94.70448501	
Access Road	AR358.1-a	Cass	Crow Wing	07010106	5	CAC5010a1W	7/13/2015	1001.5	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.00	138	32	3	SESE	46.79071825	-94.70448501	
Access Road	AR358.1-a	Cass	Crow Wing	07010106	5	CAC5010a1W	7/13/2015	1001.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.01	138	32	3	SESE	46.79071825	-94.70448501	Forested Seasonal Ponds
Haul Route	Corner Improvement	Cass	Crow Wing	07010106	5	w-138n32w2-ha	9/24/2019	1002.6	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.07	138	32	2	SESE	46.78947669	-94.68143084	
Haul Route	Corner Improvement	Cass	Crow Wing	07010106	5	w-138n32w1-ha	9/24/2019	1002.6	3B - Fresh (wet) Meadow	Type 2 - Wet meadows	PEM	0.05	138	32	1	SWSW	46.78947555	-94.68111774	
Access Road	AR709	Cass	Pine	07010105	5	CA019W	7/11/2019	1004.9	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	0.00	138	31	5	SESW, SWSW	46.7904476	-94.63396109	
Access Road	AR361	Cass	Crow Wing	07010105	5	w-138n31w5-a1	10/11/2014	1005.0	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.00	138	31	5	NENE	46.80243977	-94.62035616	
Access Road	AR364-b	Crow Wing	Pine	07010105	5	CW005aW	8/10/2013	1019.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.02	138	29	15	NWNE	46.77439013	-94.32879461	
Access Road	AR366-a	Crow Wing	Pine	07010105	5	w-138n29w14-a	10/7/2014	1021.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.00	138	29	14	NENE	46.77626877	-94.30625034	
Access Road	AR366-a	Crow Wing	Pine	07010105	5	w-138n29w14-b	10/7/2014	1021.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.00	138	29	14	NENE	46.77636906	-94.30634359	
Access Road	AR366.1-a	Crow Wing	Pine	07010105	5	CW021bW ^d	8/7/2013	1022.8	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.21	138	28, 29	1, 6	NESE, NWSW, SESE, SWSW	46.7940246	-94.27946663	
Access Road	AR367-e	Cass	Pine	07010105	5	w-139n28w31-aa	7/27/2016	1023.8	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.12	139	28	31	SESW, SWSE	46.80733669	-94.26988694	
Access Road	AR530	Cass	Pine	07010105	5	w-139n28w28-aa	8/4/2018	1026.2	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.11	139	28	28	NENW	46.83386423	-94.23028113	
Access Road	AR378	Cass	Pine	07010105	5	CA106bW	7/26/2013	1030.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.00	139	27	19	NENW	46.84432289	-94.14463418	
Access Road	AR382	Cass	Pine	07010105	5	CA116W	8/17/2013	1033.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.02	139	27	21	NENE	46.84693017	-94.09565577	
Access Road	AR712-c	Cass	Pine	07010105	5	w-139n26w20-ab	7/27/2016	1037.6	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.00	139	26	20	SWNW	46.84052507	-94.00533444	
Access Road	AR712-c	Cass	Pine	07010105	5	w-139n26w20-aa	7/27/2016	1037.6	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.01	139	26	20	SWNW	46.84058063	-94.00525515	
Access Road	AR389.2	Cass	Pine	07010105	5	w-139n26w21-d	10/8/2014	1039.0	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	0.00	139	26	21	SESW	46.84181044	-93.97698893	
Access Road	AR389.2	Cass	Pine	07010105	5	w-139n26w21-b	10/8/2014	1039.1	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	0.02	139	26	21	SWNE	46.84264603	-93.97432281	
Access Road	AR389.2-a	Cass	Pine	07010105	5	w-139n26w21-a	10/8/2014	1039.1	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	0.00	139	26	21	SWNE	46.84335139	-93.97425039	
Access Road	AR711-a	Cass	Pine	07010105	5	w-139n26w14-ac	8/7/2019	1041.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.01	139	26	14	SWNW	46.85549436	-93.94352951	
Access Road	AR711-b	Cass	Pine	07010105	5	w-139n26w14-ac	8/7/2019	1041.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.02	139	26	14	SWNW	46.85671867	-93.94171708	
Access Road	AR711-b	Cass	Pine	07010105	5	CAC5147_520a1W	8/7/2019	1041.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.01	139	26	14	SWNW	46.85691315	-93.94098323	
Access Road	AR391.1-a	Cass	Pine	07010105	5	CA153bW	9/5/2019	1042.4	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.00	139	26	11, 12	NESE, NWSW, SESE, SWSW	46.86495162	-93.92321246	Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR391.1-b	Cass	Pine	07010105	5	CA153bW	9/5/2019	1042.4	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.21	139	26	11, 12	NESE, NWSW, SESE, SWSW	46.86495162	-93.92321246	Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR391.1-b	Cass	Pine	07010105	5	CA153bW	9/5/2019	1042.4	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.14	139	26	11, 12	NESE, NWSW, SESE, SWSW	46.86495162	-93.92321246	Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR391.1-c	Cass	Pine	07010105	5	CA153bW	9/5/2019	1042.4	3A										

**Attachment D-2
Line 3 Replacement Project
Access Road/Haul Route Wetland Impact Table**

Feature Type	Access Road / Haul Route Name	County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed ^a	Circular 39 ^a	Cowardin ^a	Total Temporary Impacts (acres) ^b	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category ^c
Access Road	AR394-a	Cass	Pine	07010105	5	w-139n25w18-af	6/21/2019	1044.0	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.12	139	25	18	NWSE	46.85108992	-93.88871502	
Access Road	AR393.1	Cass	Pine	07010105	5	CA156fW	7/30/2013	1044.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.01	139	25	7	NWSE	46.86615564	-93.88788397	Forested Seasonal Ponds
Access Road	AR394-a	Cass	Pine	07010105	5	w-139n25w18-ag	8/2/2016	1044.1	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.01	139	25	18	NWSE	46.85185228	-93.88696149	
Access Road	AR394-a	Cass	Pine	07010105	5	w-139n25w18-ah	8/2/2016	1044.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.00	139	25	18	NWSE	46.85185228	-93.88696149	
Access Road	AR394-a	Cass	Pine	07010105	5	w-139n25w18-ai	8/2/2016	1044.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.00	139	25	18	NWSE	46.85167705	-93.88696947	
Access Road	AR394-a	Cass	Pine	07010105	5	w-139n25w18-aj	8/2/2016	1044.2	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	0.02	139	25	18	SENE	46.85406231	-93.88563742	
Access Road	AR393.1	Cass	Pine	07010105	5	CA156gW	7/30/2013	1044.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.02	139	25	7	NESE	46.86540124	-93.88506815	
Access Road	AR393.1	Cass	Pine	07010105	5	CA156gW	7/30/2013	1044.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.00	139	25	7	NESE	46.86540124	-93.88506815	Forested Seasonal Ponds
Access Road	AR393.1	Cass	Pine	07010105	5	CA156hW	7/30/2013	1044.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.03	139	25	7	NESE	46.86598809	-93.88362447	
Access Road	AR393.1	Cass	Pine	07010105	5	CA156hW	7/30/2013	1044.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.01	139	25	7	NESE	46.86598809	-93.88362447	Forested Seasonal Ponds
Access Road	AR394-b	Cass	Pine	07010105	5	w-139n25w18-aj	8/2/2016	1044.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.01	139	25	18	SENE	46.85580168	-93.88323415	
Access Road	AR393.1	Cass	Pine	07010105	5	CA156iW	7/30/2013	1044.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.02	139	25	7	NESE	46.86580075	-93.88306764	
Access Road	AR393.1	Cass	Pine	07010105	5	CA157aW	7/31/2013	1044.4	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.00	139	25	7, 8	NESE, NWSW	46.86529507	-93.88125943	
Access Road	AR393.1	Cass	Pine	07010105	5	CA157aW	7/31/2013	1044.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.05	139	25	7, 8	NESE, NWSW	46.86529507	-93.88125943	
Access Road	AR393.1	Cass	Pine	07010105	5	CA157aW	7/31/2013	1044.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.01	139	25	7, 8	NESE, NWSW	46.86529507	-93.88125943	Forested Seasonal Ponds
Access Road	AR394-d	Cass	Pine	07010105	5	w-139n25w18-al	8/2/2016	1044.4	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	0.02	139	25	8, 17	NWNW, SWSW	46.8611572	-93.88105104	
Access Road	AR394-d	Cass	Pine	07010105	5	w-139n25w18-an	8/2/2016	1044.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.02	139	25	8	SWSW	46.86292851	-93.87931037	
Access Road	AR394-d	Cass	Pine	07010105	5	w-139n25w18-ak	8/2/2016	1044.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.06	139	25	8	SWSW	46.8641217	-93.87845701	
Access Road	AR394.1-b	Cass	Pine	07010105	5	w-139n25w18-ao	8/4/2016	1044.7	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	0.00	139	25	8	NESW	46.86738349	-93.87427587	
Access Road	AR394.1-b	Cass	Pine	07010105	5	w-139n25w18-aq	8/4/2016	1044.7	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.00	139	25	8	NESW	46.86799623	-93.87354629	
Access Road	AR394.1-b	Cass	Pine	07010105	5	w-139n25w18-ap	8/4/2016	1044.7	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.03	139	25	8	NESW, SENW	46.8681036	-93.87324626	
Access Road	AR394.1-b	Cass	Pine	07010105	5	w-139n25w18-ar	8/4/2016	1044.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.02	139	25	8	SENE	46.86818219	-93.87256619	
Access Road	AR394.1-b	Cass	Pine	07010105	5	w-139n25w18-at	8/4/2016	1044.9	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.03	139	25	8	SENE	46.86827888	-93.87084399	
Access Road	AR394.1-b	Cass	Pine	07010105	5	w-139n25w18-as	8/4/2016	1044.9	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	0.03	139	25	8	NWSE, SENW, SWNE	46.86817315	-93.87025011	
Access Road	AR394.1-b	Cass	Pine	07010105	5	w-139n25w18-au	8/4/2016	1044.9	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.03	139	25	8	NWSE, SWNE	46.86807349	-93.87014443	
Access Road	AR394.1-b	Cass	Pine	07010105	5	w-139n25w18-av	6/21/2019	1045.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.14	139	25	8	NESE, SENE, SWNE	46.86817966	-93.8638378	
Access Road	AR394.1-c	Cass	Pine	07010105	5	w-139n25w18-av	6/21/2019	1045.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.00	139	25	8	NESE, SENE, SWNE	46.86817966	-93.8638378	
Access Road	AR394.2-a	Cass	Pine	07010105	5	w-139n25w18-aw	6/21/2019	1045.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.03	139	25	8	NESE, SENE, SWNE	46.86817966	-93.8638378	
Access Road	AR394.2-b	Cass	Pine	07010105	5	w-139n25w18-av	6/21/2019	1045.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.02	139	25	8	NESE, SENE, SWNE	46.86817966	-93.8638378	
Access Road	AR394.1-c	Cass	Pine	07010105	5	w-139n25w18-aw	8/4/2016	1045.4	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.20	139	25	8	SENE	46.8696763	-93.86339524	
Access Road	AR394.1-c	Cass	Pine	07010105	5	w-139n25w18-ha	6/21/2019	1045.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.00	139	25	8	NENE	46.87204981	-93.86429706	
Access Road	AR394.1-d	Cass	Prairie-Willow	07010103	5	w-139n25w18-aa	8/4/2016	1045.6	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.02	139	25	5	SESE	46.87587387	-93.86411182	
Access Road	AR394.1-e	Cass	Prairie-Willow	07010103	5	w-139n25w18-aa	8/4/2016	1045.6	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.01	139	25	5	SESE	46.87587387	-93.86411182	
Access Road	AR394.1-g	Cass	Prairie-Willow	07010103	5	CA158aW	7/31/2013	1045.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.06	139	25	8, 9	NENW, NESE, SENE, SENW, SWNW	46.86986597	-93.85665938	
Access Road	AR394.6	Cass	Prairie-Willow	07010103	5	w-139n25w18-aa	6/28/2019	1046.6	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.50	139	25	3, 4	SESE, SWSW	46.87663791	-93.83907576	
Access Road	AR394.6	Cass	Prairie-Willow	07010103	5	w-139n25w18-aa	6/28/2019	1046.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.25	139	25	3, 4	SESE, SWSW	46.87663791	-93.83907576	
Access Road	AR394.6	Cass	Prairie-Willow	07010103	5	CA05161d1W	6/26/2013	1046.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.02	139	25	4	SESE	46.8785361	-93.83862251	
Access Road	AR704	Cass	Prairie-Willow	07010103	5	w-139n25w18-ab	10/10/2018	1048.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.01	139	25	2	SWNW	46.88304049	-93.814176	
Access Road	AR531-a	Aitkin	Prairie-Willow	07010103	5	w-51n26w32-a	7/20/2018	1054.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.01	51	26	29	SWSW	46.87217567	-93.67720152	
Access Road	AR531-a	Aitkin	Prairie-Willow	07010103	5	w-51n26w32-b	7/20/2018	1054.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.01	51	26	29	SWSW	46.8720286	-93.67687887	
Access Road	AR624	Aitkin	Prairie-Willow	07010103	5	w-51n26w32-aa	8/9/2018	1054.9	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.01	51	26	20	NESW, SENW, SWSE	46.89069588	-93.66790697	
Access Road	AR532	Aitkin	Prairie-Willow	07010103	5	w-51n26w32-a	7/19/2018	1055.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.18	51	26	32	SENE, SWNE, SWNW	46.86542543	-93.66939208	Wetlands with Known Occurrences of MDNR State-Listed Species
Access Road	AR531-b	Aitkin	Prairie-Willow	07010103	5	w-51n26w32-f	7/19/2018	1055.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.00	51	26	32	SENE	46.86658539	-93.66809104	Forested Seasonal Ponds
Access Road	AR531-b	Aitkin	Prairie-Willow	07010103	5	w-51n26w32-e	7/19/2018	1055.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.00	51	26	32	SENE	46.86657563	-93.66785752	Forested Seasonal Ponds
Access Road	AR533-b	Aitkin	Prairie-Willow	07010103	5	w-51n26w32-j	7/19/2018	1055.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.00	51	26	32	NWNE	46.86772514	-93.66661299	Forested Seasonal Ponds
Access Road	AR531-b	Aitkin	Prairie-Willow	07010103	5	w-51n26w32-g	7/19/2018	1055.2	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.00	51	26	32	SWNE	46.8681356	-93.66615097	
Access Road	AR624	Aitkin	Prairie-Willow	07010103	5	w-51n26w32-bb	8/9/2018	1055.2	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	0.01	51	26	20	NWSE, SWSE	46.88811525	-93.66475475	
Access Road	AR624	Aitkin	Prairie-Willow	07010103	5	w-51n26w32-bb	8/9/2018	1055.2	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.10	51	26	20	NWSE, SWSE	46.88811525	-93.66475475	
Access Road	AR533-b	Aitkin	Prairie-Willow	07010103	5	w-51n26w32-i	7/20/2018	1055.4	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.11	51	26	32	NENE, NWNE	46.86804768	-93.66162743	
Access Road	AR624	Aitkin	Prairie-Willow	07010103	5	w-51n26w32-aa	8/9/2018	1055.4	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.00	51	26	29	NENE	46.88192302	-93.65994397	
Access Road	AR533-b	Aitkin	Prairie-Willow	07010103	5	w-51n26w32-m	7/20/2018	1055.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.07	51	26	32	NENE	46.86749527	-93.65931363	Forested Seasonal Ponds
Access Road	AR624	Aitkin	Prairie-Willow	07010103	5	w-51n26w33-v	8/9/2018	1055.6	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.00	51	26	28, 29, 33	NENW, SENE, SWSW	46.87378861	-93.65376742	
Access Road	AR624	Aitkin	Prairie-Willow	07010103	5	w-51n26w33-v	8/9/2018	1055.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.02	51	26	28, 29, 33	NENW, SENE, SWSW	46.87378861	-93.65376742	
Access Road	AR533-b	Aitkin	Prairie-Willow	07010103	5	w-51n26w33-t	7/20/2018	1055.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.15	51	26	32, 33	NWNW, SENE, SW			

**Attachment D-2
Line 3 Replacement Project
Access Road/Haul Route Wetland Impact Table**

Feature Type	Access Road / Haul Route Name	County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed ^a	Circular 39 ^a	Cowardin ^a	Total Temporary Impacts (acres) ^b	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category ^c
Access Road	AR701	Aitkin	Prairie-Willow	07010103	5	w-51n26w32-c ^d	9/28/2018	1056.0	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	0.06	50, 51	26	3, 4, 10, 15, 32, 33	NENE, NENW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.85431871	-93.64203268	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters
Access Road	AR701	Aitkin	Prairie-Willow	07010103	5	w-51n26w32-c ^d	9/28/2018	1056.0	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	0.06	50, 51	26	3, 4, 10, 15, 32, 33	NENE, NENW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.85431871	-93.64203268	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters
Access Road	AR701	Aitkin	Prairie-Willow	07010103	5	w-51n26w32-c ^d	9/28/2018	1056.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.03	50, 51	26	3, 4, 10, 15, 32, 33	NENE, NENW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.85431871	-93.64203268	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters
Access Road	AR701	Aitkin	Prairie-Willow	07010103	5	w-51n26w32-c ^d	9/28/2018	1056.0	4A - Open Bog	Type 8 - Bog	PEM	0.35	50, 51	26	3, 4, 10, 15, 32, 33	NENE, NENW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.85431871	-93.64203268	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters
Access Road	AR701	Aitkin	Prairie-Willow	07010103	5	w-51n26w32-c ^d	9/28/2018	1056.0	4B - Coniferous Bog	Type 8 - Bog	PFO	0.39	50, 51	26	3, 4, 10, 15, 32, 33	NENE, NENW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.85431871	-93.64203268	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters
Access Road	AR701	Aitkin	Prairie-Willow	07010103	5	w-51n26w32-c ^d	9/28/2018	1056.0	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.47	50, 51	26	3, 4, 10, 15, 32, 33	NENE, NENW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.85431871	-93.64203268	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters
Access Road	AR701	Aitkin	Prairie-Willow	07010103	5	w-51n26w32-c ^d	9/28/2018	1056.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.11	50, 51	26	3, 4, 10, 15, 32, 33	NENE, NENW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.85431871	-93.64203268	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters
Access Road	AR533-e	Aitkin	Prairie-Willow	07010103	5	w-51n26w33-x	7/21/2018	1056.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.06	51	26	33	NENW, SENW	46.86739186	-93.64870989	
Access Road	AR533-e	Aitkin	Prairie-Willow	07010103	5	w-51n26w33-x	7/21/2018	1056.0	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.02	51	26	33	NENW, SENW	46.86739186	-93.64870989	
Access Road	AR533-e	Aitkin	Prairie-Willow	07010103	5	w-51n26w33-x	7/21/2018	1056.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.00	51	26	33	NENW, SENW	46.86739186	-93.64870989	
Access Road	AR533-e	Aitkin	Prairie-Willow	07010103	5	w-51n26w33-x	7/21/2018	1056.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.00	51	26	33	NENW, SENW	46.86739186	-93.64870989	Forested Seasonal Ponds
Access Road	AR533-e	Aitkin	Prairie-Willow	07010103	5	w-51n26w33-a	9/28/2018	1056.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.01	50, 51	26	3, 4, 10, 15, 33	NENE, NENW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.85275959	-93.63706517	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters
Access Road	AR533-e	Aitkin	Prairie-Willow	07010103	5	w-51n26w33-a	9/28/2018	1056.5	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.03	50, 51	26	3, 4, 10, 15, 33	NENE, NENW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.85275959	-93.63706517	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters
Access Road	AR701	Aitkin	Prairie-Willow	07010103	5	w-51n26w33-a	9/28/2018	1056.5	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	0.41	50, 51	26	3, 4, 10, 15, 33	NENE, NENW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.85275959	-93.63706517	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters
Access Road	AR701	Aitkin	Prairie-Willow	07010103	5	w-51n26w33-a	9/28/2018	1056.5	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	0.00	50, 51	26	3, 4, 10, 15, 33	NENE, NENW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.85275959	-93.63706517	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters
Access Road	AR701	Aitkin	Prairie-Willow	07010103	5	w-51n26w33-a	9/28/2018	1056.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.00	50, 51	26	3, 4, 10, 15, 33	NENE, NENW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.85275959	-93.63706517	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters
Access Road	AR701	Aitkin	Prairie-Willow	07010103	5	w-51n26w33-a	9/28/2018	1056.5	4B - Coniferous Bog	Type 8 - Bog	PFO	0.10	50, 51	26	3, 4, 10, 15, 33	NENE, NENW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.85275959	-93.63706517	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters
Access Road	AR701	Aitkin	Prairie-Willow	07010103	5	w-51n26w33-a	9/28/2018	1056.5	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.11	50, 51	26	3, 4, 10, 15, 33	NENE, NENW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.85275959	-93.63706517	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters
Access Road	AR701	Aitkin	Prairie-Willow	07010103	5	w-51n26w33-a	9/28/2018	1056.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.11	50, 51	26	3, 4, 10, 15, 33	NENE, NENW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.85275959	-93.63706517	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters
Access Road	AR534	Aitkin	Prairie-Willow	07010103	5	w-51n26w34-a	8/8/2018	1057.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.06	51	26	34	NESE, SENE, SWNE	46.86317378	-93.61690577	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters
Access Road	AR534	Aitkin	Prairie-Willow	07010103	5	w-51n26w34-a	8/8/2018	1057.6	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	0.28	51	26	34	NESE, SENE, SWNE	46.86317378	-93.61690577	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters
Access Road	AR535-c	Aitkin	Prairie-Willow	07010103	5	w-51n26w34-a	8/8/2018	1057.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.04	51	26	34	NESE, SENE, SWNE	46.86317378	-93.61690577	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters
Access Road	AR535-c	Aitkin	Prairie-Willow	07010103	5	w-51n26w34-a	8/8/2018	1057.6	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.04	51	26	34	NESE, SENE, SWNE	46.86317378	-93.61690577	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters
Access Road	AR535-c	Aitkin	Prairie-Willow	07010103	5	w-51n26w34-aa	8/8/2018	1057.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.02	51	26	34	NESE, SESE	46.86002363	-93.61471025	
Access Road	AR535-b	Aitkin	Prairie-Willow	07010103	5	w-51n26w34-bb	8/8/2018	1057.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.02	51	26	34	NESE	46.86112494	-93.61439936	
Haul Route	592ND LANE	Aitkin	Prairie-Willow	07010103	5	w-51n26w26-bb	6/17/2019	1058.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.16	51	26	26	NESW, NWSW	46.87424598	-93.60777606	
Haul Route	592ND LANE	Aitkin	Prairie-Willow	07010103	5	w-51n26w26-bb	6/17/2019	1058.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.07	51	26	26	NESW, NWSW	46.87424598	-93.60777606	
Access Road	AR537-a	Aitkin	Prairie-Willow	07010103	5	w-51n26w35-a	6/18/2019	1058.5	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.09	51	26	25, 26, 35, 36	NENE, NESE, NESW, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.86773087	-93.59694154	
Access Road	AR537-b	Aitkin	Prairie-Willow	07010103	5	w-51n26w35-a	6/18/2019	1058.5	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	1.59	51	26	25, 26, 35, 36	NENE, NESE, NESW, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.86773087	-93.59694154	
Access Road	AR537-b	Aitkin	Prairie-Willow	07010103	5	w-51n26w35-a	6/18/2019	1058.5	4B - Coniferous Bog	Type 7 - Wooded Swamp	PFO	0.05	51	26	25, 26, 35, 36	NENE, NESE, NESW, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.86773087	-93.59694154	

Attachment D-2
Line 3 Replacement Project
Access Road/Haul Route Wetland Impact Table

Feature Type	Access Road / Haul Route Name	County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed ^a	Circular 39 ^a	Cowardin ^a	Total Temporary Impacts (acres) ^b	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category ^c
Access Road	AR537-b	Aitkin	Prairie-Willow	07010103	5	w-51n26w35-a	6/18/2019	1058.5	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.33	51	26	25, 26, 35, 36	NENE, NESE, NESW, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.86773087	-93.59694154	
Access Road	AR537-b	Aitkin	Prairie-Willow	07010103	5	w-51n26w35-a	6/18/2019	1058.5	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	0.05	51	26	25, 26, 35, 36	NENE, NESE, NESW, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.86773087	-93.59694154	
Access Road	AR537-b	Aitkin	Prairie-Willow	07010103	5	w-51n26w35-a	6/18/2019	1058.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.68	51	26	25, 26, 35, 36	NENE, NESE, NESW, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.86773087	-93.59694154	
Haul Route	592ND LANE	Aitkin	Prairie-Willow	07010103	5	w-51n26w35-a	6/18/2019	1058.5	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	0.00	51	26	25, 26, 35, 36	NENE, NESE, NESW, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.86773087	-93.59694154	
Haul Route	592ND LANE	Aitkin	Prairie-Willow	07010103	5	w-51n26w35-a	6/18/2019	1058.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.99	51	26	25, 26, 35, 36	NENE, NESE, NESW, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.86773087	-93.59694154	
Haul Route	592ND LANE	Aitkin	Prairie-Willow	07010103	5	w-51n26w35-a	6/18/2019	1058.5	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.98	51	26	25, 26, 35, 36	NENE, NESE, NESW, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.86773087	-93.59694154	
Haul Route	592ND LANE	Aitkin	Prairie-Willow	07010103	5	w-51n26w35-a	6/18/2019	1058.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.39	51	26	25, 26, 35, 36	NENE, NESE, NESW, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.86773087	-93.59694154	
Access Road	AR538-a	Aitkin	Prairie-Willow	07010103	5	w-51n26w25-a	6/18/2019	1059.7	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	0.00	51	25, 26	25, 30, 31	NESE, NWNW, SESE, SWSW	46.87266725	-93.5709546	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR538-a	Aitkin	Prairie-Willow	07010103	5	w-51n26w25-a	6/18/2019	1059.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.02	51	25, 26	25, 30, 31	NESE, NWNW, SESE, SWSW	46.87266725	-93.5709546	
Access Road	AR538-a	Aitkin	Prairie-Willow	07010103	5	w-51n26w25-a	6/18/2019	1059.7	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.03	51	25, 26	25, 30, 31	NESE, NWNW, SESE, SWSW	46.87266725	-93.5709546	
Access Road	AR538-a	Aitkin	Prairie-Willow	07010103	5	w-51n26w25-a	6/18/2019	1059.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.67	51	25, 26	25, 30, 31	NESE, NWNW, SESE, SWSW	46.87266725	-93.5709546	
Access Road	AR538-a	Aitkin	Prairie-Willow	07010103	5	w-51n26w25-a	6/18/2019	1059.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.04	51	25, 26	25, 30, 31	NESE, NWNW, SESE, SWSW	46.87266725	-93.5709546	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR538-b	Aitkin	Prairie-Willow	07010103	5	w-51n26w25-a	6/18/2019	1059.7	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	0.14	51	25, 26	25, 30, 31	NESE, NWNW, SESE, SWSW	46.87266725	-93.5709546	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR538-b	Aitkin	Prairie-Willow	07010103	5	w-51n26w25-a	6/18/2019	1059.7	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	0.27	51	25, 26	25, 30, 31	NESE, NWNW, SESE, SWSW	46.87266725	-93.5709546	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR538-b	Aitkin	Prairie-Willow	07010103	5	w-51n26w25-a	6/18/2019	1059.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.27	51	25, 26	25, 30, 31	NESE, NWNW, SESE, SWSW	46.87266725	-93.5709546	Wetlands with High or Outstanding Biodiversity Sites
Haul Route	592ND LANE	Aitkin	Prairie-Willow	07010103	5	w-51n26w25-a	6/18/2019	1059.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.03	51	25, 26	25, 30, 31	NESE, NWNW, SESE, SWSW	46.87266725	-93.5709546	
Haul Route	592ND LANE	Aitkin	Prairie-Willow	07010103	5	w-51n26w25-a	6/18/2019	1059.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.05	51	25, 26	25, 30, 31	NESE, NWNW, SESE, SWSW	46.87266725	-93.5709546	
Access Road	AR538-b	Aitkin	Prairie-Willow	07010103	5	w-51n25w31-a	6/18/2019	1059.9	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.09	51	25	31	NWNW	46.86834643	-93.56791225	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR538-b	Aitkin	Prairie-Willow	07010103	5	w-51n25w31-a	6/18/2019	1059.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.12	51	25	31	NWNW	46.86834643	-93.56791225	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR538-b	Aitkin	Prairie-Willow	07010103	5	w-51n25w31-b	9/13/2018	1059.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.06	51	25	31	NWNW, SWNW	46.8682198	-93.56646615	Forested Seasonal Ponds, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR538-b	Aitkin	Prairie-Willow	07010103	5	w-51n25w31-da	10/24/2018	1060.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.06	51	25	31	SENE	46.86411902	-93.56370173	Wetlands with High or Outstanding Biodiversity Sites
Haul Route	Corner Improvement	Aitkin	Prairie-Willow	07010103	5	w-50n25w16-hb	6/27/2019	1061.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.06	50	25	9, 16	NWNW, SWSW	46.82674758	-93.52782623	
Haul Route	Corner Improvement	Aitkin	Prairie-Willow	07010103	5	w-50n25w17-ha	6/27/2019	1061.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.13	50	25	8, 9, 16, 17	NENE, NWNW, SESE, SWSW	46.82676975	-93.52813709	
Haul Route	Corner Improvement	Aitkin	Prairie-Willow	07010103	5	w-50n25w17-hb	6/27/2019	1061.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.06	50	25	16, 17	NENE, NWNW	46.82652252	-93.52805381	
Access Road	AR541-b	Aitkin	Prairie-Willow	07010103	5	w-51n24w31-a	6/3/2019	1066.2	7- Floodplain Forest	Type 1 - Seasonally Flooded Basin or Flat	PFO	0.02	51	24, 25	31, 32, 36	NENE, NESE, NESW, NWNE, NWNW, NWSE, NWSW, SENE, SENW, SWNE, SWNW	46.86258508	-93.43583363	
Access Road	AR542-a	Aitkin	Prairie-Willow	07010103	5	w-51n24w31-a	6/3/2019	1066.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.13	51	24, 25	31, 32, 36	NENE, NESE, NESW, NWNE, NWNW, NWSE, NWSW, SENE, SENW, SWNE, SWNW	46.86258508	-93.43583363	
Access Road	AR542-b	Aitkin	Prairie-Willow	07010103	5	w-51n24w31-a	6/3/2019	1066.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.02	51	24, 25	31, 32, 36	NENE, NESE, NESW, NWNE, NWNW, NWSE, NWSW, SENE, SENW, SWNE, SWNW	46.86258508	-93.43583363	
Access Road	AR542-b	Aitkin	Prairie-Willow	07010103	5	w-51n24w31-a	6/3/2019	1066.2	7- Floodplain Forest	Type 1 - Seasonally Flooded Basin or Flat	PFO	0.05	51	24, 25	31, 32, 36	NENE, NESE, NESW, NWNE, NWNW, NWSE, NWSW, SENE, SENW, SWNE, SWNW	46.86258508	-93.43583363	
Access Road	AR708	Aitkin	Prairie-Willow	07010103	5	w-51n24w31-a	6/3/2019	1066.2	7- Floodplain Forest	Type 1 - Seasonally Flooded Basin or Flat	PFO	0.26	51	24, 25	31, 32, 36	NENE, NESE, NESW, NWNE, NWNW, NWSE, NWSW, SENE, SENW, SWNE, SWNW	46.86258508	-93.43583363	
Access Road	AR541-a	Aitkin	Prairie-Willow	07010103	5	w-51n24w31-cc	9/27/2018	1066.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.01	51	24	31	SWNE	46.86191995	-93.42714543	
Haul Route	Corner Improvement	Aitkin	Prairie-Willow	07010103	5	w-51n24w32-a	8/28/2017	1067.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.17	51	24	32	NWNW	46.86853538	-93.41970613	
Access Road	AR543-b	Aitkin	Prairie-Willow	07010103	5	w-51n24w28-a	6/3/2019	1068.1	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	0.00	51	24	28, 29	NESE, NESW, NWSE, NWSW, SESE, SESW, SWSE, SWSW	46.87227815	-93.40068953	
Access Road	AR706-a	Aitkin	Prairie-Willow	07010103	5	w-51n24w28-a	6/3/2019	1068.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.10	51	24	28, 29	NESE, NESW, NWSE, NWSW, SESE, SESW, SWSE, SWSW	46.87227815	-93.40068953	
Access Road	AR706-b	Aitkin	Prairie-Willow	07010103	5	w-51n24w28-a	6/3/2019	1068.1	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	0.05	51	24	28, 29	NESE, NESW, NWSE, NWSW, SESE, SESW, SWSE, SWSW	46.87227815	-93.40068953	
Access Road	AR706-b	Aitkin	Prairie-Willow	07010103	5	w-51n24w28-a	6/3/2019	1068.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.28	51	24	28, 29	NESE, NESW, NWSE, NWSW, SESE, SESW, SWSE, SWSW	46.87227815	-93.40068953	
Access Road	AR706-c	Aitkin	Prairie-Willow	07010103	5	w-51n24w28-a	6/3/2019	1068.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.51	51	24	28, 29	NESE, NESW, NWSE, NWSW, SESE, SESW, SWSE, SWSW	46.87227815	-93.40068953	
Access Road	AR543-a	Aitkin	Prairie-Willow	07010103	5	w-51n24w28-d	7/23/2018	1068.6	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.00	51	24	28, 33	NWNE, SWSE	46.86923085	-93.3893979	
Access Road	AR543-a	Aitkin	Prairie-Willow	07010103	5	w-51n24w28-b	7/23/2018	1068.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.01	51	24	28	SWSE	46.87020321	-93.38926635	
Access Road	AR543-a	Aitkin	Prairie-Willow	07010103	5	w-51n24w28-c	7/23/2018	1068.6	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.00	51	24	28	SWSE	46.86922574	-93.38923185	
Access Road	AR630-a	Aitkin	Prairie-Willow	07010103	5	w-51n24w26-da	10/12/2018	1070.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.00	51	24	26	NWSE	46.87552927	-93.34203352	
Access Road	AR546-c	Aitkin	Prairie-Willow	07010103	5	w-51n24w26-bb	7/14/2018	1071.0	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.01	51	24	26	SESE	46.87042723	-93.33854622	
Access Road	AR546-d	Aitkin	Prairie-Willow	07010103	5	w-51n24w25-o ^d	7/14/2018	1071.1	2A - Deep Marsh	Type 4 - Inland Deep Fresh Marsh	PEM	0.15	51	24	25, 26	SESE, SWSW	46.8718036	-93.33619356	
Access Road	AR546-d	Aitkin	Prairie-Willow	07010103	5	w-51n24w25-o ^d	7/14/2018	1071.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.02	51	24	25, 26	SESE, SWSW	46.8718036	-93.33619356	
Access Road	AR547-a	Aitkin	Prairie-Willow	07010103	5	w-51n24w25-o ^d	7/14/2018	1071.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.12	51	24	25, 26	SESE, SWSW	46.8718036	-93.33619356	
Access Road	AR547-b	Aitkin	Prairie-Willow	07010103	5	w-51n24w25-o ^d	7/14/2018	1071.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.01	51	24	25, 26	SESE, SWSW	46.8718036	-93.33619356	
Access Road	AR546-d	Aitkin	Prairie-Willow	07010103	5	w-51n24w25-n	7/14/2018	1071.2	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.07	51	24	25	SWSW	46.87207036	-93.33375093	
Access Road	AR546-e	Aitkin	Prairie-Willow	07010103	5	w-51n24w25-n	7/14/2018	1071.2	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.02	51	24	25	SWSW	46.87207036	-93.33375093	
Access Road	AR546-e	Aitkin	Prairie-Willow	07010103	5	w-51n24w25-n	7/14/2018	1071.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.04	51	24	25	SWSW	46.87207036	-93.33375093	Forested Seasonal Ponds

**Attachment D-2
Line 3 Replacement Project
Access Road/Haul Route Wetland Impact Table**

Feature Type	Access Road / Haul Route Name	County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed ^a	Circular 39 ^a	Cowardin ^a	Total Temporary Impacts (acres) ^b	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category ^c
Access Road	AR546-e	Aitkin	Prairie-Willow	07010103	5	w-51n24w25-m	7/14/2018	1071.3	2A - Deep Marsh	Type 4 - Inland Deep Fresh Marsh	PEM	0.01	51	24	25	SWSW	46.87190601	-93.33244965	
Access Road	AR546-e	Aitkin	Prairie-Willow	07010103	5	w-51n24w25-l	7/14/2018	1071.3	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	0.01	51	24	25	SESW	46.87175037	-93.3309009	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR546-e	Aitkin	Prairie-Willow	07010103	5	w-51n24w25-k	7/14/2018	1071.5	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PFO	0.00	51	24	25	SESW	46.87113561	-93.32684769	Forested Seasonal Ponds, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR546-e	Aitkin	Prairie-Willow	07010103	5	w-51n24w25-i	7/14/2018	1071.6	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PFO	0.00	51	24	25	SWSE	46.87114721	-93.32576522	Forested Seasonal Ponds, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR546-e	Aitkin	Prairie-Willow	07010103	5	w-51n24w25-h	7/14/2018	1071.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.23	51	24	25	SWSE	46.87143024	-93.32393775	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR549-a	Aitkin	Prairie-Willow	07010103	5	w-51n24w25-af	8/11/2018	1071.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.04	51	24	25	NWSE	46.87386577	-93.32114493	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR549-a	Aitkin	Prairie-Willow	07010103	5	w-51n24w25-ae	8/11/2018	1071.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.14	51	24	25	NWSE	46.87543903	-93.32122632	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR549-c	Aitkin	Prairie-Willow	07010103	5	w-51n24w25-ha	6/14/2019	1072.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.01	51	24	25	SENE	46.87703089	-93.31751605	Forested Seasonal Ponds, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR549-c	Aitkin	Prairie-Willow	07010103	5	w-51n23w30-hd	6/14/2019	1072.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.06	51	23	30	SWNW	46.87794769	-93.31346604	Forested Seasonal Ponds, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR549-c	Aitkin	Prairie-Willow	07010103	5	w-51n23w30-hb	6/14/2019	1072.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.02	51	23	30	SWNW	46.87874679	-93.31077149	Forested Seasonal Ponds, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR550-d	Aitkin	Prairie-Willow	07010103	5	w-51n23w30-x	9/13/2018	1072.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.01	51	23	30	NENW	46.88036058	-93.30751727	Forested Seasonal Ponds, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR550-d	Aitkin	Prairie-Willow	07010103	5	w-51n23w30-x	9/13/2018	1072.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.00	51	23	30	NENW	46.88036058	-93.30751727	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR550-d	Aitkin	Prairie-Willow	07010103	5	w-51n23w30-w	9/13/2018	1072.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.01	51	23	30	NENW	46.88036872	-93.30634547	Forested Seasonal Ponds, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR550-d	Aitkin	Prairie-Willow	07010103	5	w-51n23w30-w	9/13/2018	1072.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.00	51	23	30	NENW	46.88036872	-93.30634547	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR550-d	Aitkin	Prairie-Willow	07010103	5	w-51n23w30-v	9/13/2018	1072.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.00	51	23	30	NWNE	46.88010047	-93.30380433	Forested Seasonal Ponds, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR550-d	Aitkin	Prairie-Willow	07010103	5	w-51n23w30-v	9/13/2018	1072.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.00	51	23	30	NWNE	46.88010047	-93.30380433	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR550-d	Aitkin	Prairie-Willow	07010103	5	w-51n23w30-l	8/14/2018	1072.8	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.01	51	23	30	SWNE	46.8787069	-93.29955469	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR550-d	Aitkin	Prairie-Willow	07010103	5	w-51n23w30-q	8/14/2018	1073.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.00	51	23	30	SENE	46.87912546	-93.29493181	Forested Seasonal Ponds, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR550-d	Aitkin	Prairie-Willow	07010103	5	w-51n23w30-p	8/14/2018	1073.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.01	51	23	30	SENE	46.87904483	-93.29480086	Forested Seasonal Ponds, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR550-d	Aitkin	Prairie-Willow	07010103	5	w-51n23w30-r	8/14/2018	1073.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.00	51	23	30	SENE	46.87902716	-93.2943123	Forested Seasonal Ponds, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR550-d	Aitkin	Prairie-Willow	07010103	5	w-51n23w30-r	8/14/2018	1073.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.00	51	23	30	SENE	46.87902716	-93.2943123	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR550-d	Aitkin	Prairie-Willow	07010103	5	w-51n23w30-s	8/14/2018	1073.3	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.01	51	23	30	SENE	46.87887301	-93.29394983	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR550-d	Aitkin	Prairie-Willow	07010103	5	w-51n23w30-k	7/13/2018	1073.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.01	51	23	29, 30	SENE, SWNW	46.8789101	-93.29346618	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR632-a	Aitkin	Prairie-Willow	07010103	5	w-51n23w30-k	7/13/2018	1073.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.04	51	23	29, 30	SENE, SWNW	46.8789101	-93.29346618	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR632-a	Aitkin	Prairie-Willow	07010103	5	w-51n23w29-aa	8/14/2018	1073.3	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.06	51	23	29	SWNW	46.87723992	-93.29125423	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR632-b	Aitkin	Prairie-Willow	07010103	5	w-51n23w29-c	8/15/2018	1073.4	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	0.03	51	23	29	NESW, NWSW	46.87393059	-93.2883875	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR632-b	Aitkin	Prairie-Willow	07010103	5	w-51n23w29-c	8/15/2018	1073.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.08	51	23	29	NESW, NWSW	46.87393059	-93.2883875	Forested Seasonal Ponds, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR632-b	Aitkin	Prairie-Willow	07010103	5	w-51n23w29-c	8/15/2018	1073.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.04	51	23	29	NESW, NWSW	46.87393059	-93.2883875	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR553-b	Aitkin	Prairie-Willow	07010103	5	w-51n23w28-ac	8/11/2018	1074.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.03	51	23	28	NWSW	46.87324896	-93.26855196	Forested Seasonal Ponds, HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR553-b	Aitkin	Prairie-Willow	07010103	5	w-51n23w28-ac	8/11/2018	1074.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.02	51	23	28	NWSW	46.87324896	-93.26855196	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR553-b	Aitkin	Prairie-Willow	07010103	5	w-51n23w28-ad	8/11/2018	1074.4	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.05	51	23	28	NWSW	46.87366827	-93.26764818	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR554	Aitkin	Prairie-Willow	07010103	5	w-51n23w28-g	7/13/2018	1074.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.01	51	23	28	NESW	46.87427287	-93.26452824	Forested Seasonal Ponds, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR554	Aitkin	Prairie-Willow	07010103	5	w-51n23w28-f	7/13/2018	1074.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.00	51	23	28	NESW	46.87419516	-93.26452212	Forested Seasonal Ponds, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR634	Aitkin	Prairie-Willow	07010103	5	w-51n23w28-b	8/11/2018	1074.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.00	51	23	28	NESW, NWSE	46.87292703	-93.26324126	Forested Seasonal Ponds, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR634	Aitkin	Prairie-Willow	07010103	5	w-51n23w28-b	8/11/2018	1074.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.03	51	23	28	NESW, NWSE	46.87292703	-93.26324126	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR554	Aitkin	Prairie-Willow	07010103	5	w-51n23w28-l	7/13/2018	1074.7	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	0.01	51	23	28	SENE	46.87624459	-93.26283322	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR635	Aitkin	Prairie-Willow	07010103	5	w-51n23w28-ab	8/11/2018	1074.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.00	51	23	28	NWSE	46.87391641	-93.26056367	Forested Seasonal Ponds, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR554	Aitkin	Prairie-Willow	07010103	5	w-51n23w28-l	7/13/2018	1074.8	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.01	51	23	28	SWNE	46.87600306	-93.26127559	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR635	Aitkin	Prairie-Willow	07010103	5	w-51n23w28-c ^d	8/11/2018	1074.8	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.02	51	23	28	NWSE	46.87360368	-93.25913586	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR635	Aitkin	Prairie-Willow	07010103	5	w-51n23w28-c ^d	8/11/2018	1074.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.02	51	23	28	NWSE	46.87360368	-93.25913586	Forested Seasonal Ponds, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR554	Aitkin	Prairie-Willow	07010103	5	w-51n23w28-m	7/13/2018	1074.8	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	0.01	51	23	28	SWNE	46.87595793	-93.25977623	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR554	Aitkin	Prairie-Willow	07010103	5	w-51n23w28-n	7/13/2018	1074.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.02	51	23	28	SWNE	46.87597273	-93.25791221	Forested Seasonal Ponds, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR554	Aitkin	Prairie-Willow	07010103	5	w-51n23w28-p	7/13/2018	1075.0	1 - Shallow, Open Water	Type 5 - Inland Open Fresh Water	PUB	0.00	51	23	28	SWNE	46.87601656	-93.25690216	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR554	Aitkin	Prairie-Willow	07010103	5	w-51n23w28-o	7/13/2018	1075.0	2A - Deep Marsh	Type 4 - Inland Deep Fresh Marsh	PEM	0.03	51	23	28	SENE, SWNE	46.87592598	-93.25676442	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR554	Aitkin	Prairie-Willow	07010103	5	w-51n23w28-q	7/13/2018	1075.0	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	0.00	51	23	28	SENE	46.87615449	-93.25510647	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR554	Aitkin	Prairie-Willow	07010103	5	w-51n23w28-e	7/13/2018	1075.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.00	51	23	28	NESE, SENE	46.87544465	-93.25364898	Forested Seasonal Ponds, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR554	Aitkin	Prairie-Willow	07010103	5	w-51n23w28-e	7/13/2018	1075.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.00	51	23	28	NESE, SENE	46.87544465	-93.25364898	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR554	Aitkin	Prairie-Willow	07010103	5	w-51n23w28-r	7/13/2018	1075.1	5B - Alder Thicket	Type 6 - Shrub Swamp	PSS	0.00	51	23	28	SENE	46.87626338	-93.25399049	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR638	Aitkin	Prairie-Willow	07010103	5	w-51n23w27-ab	8/11/2018	1075.6	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.01	51	23	27	NENW	46.87974208	-93.24525626	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR557	Aitkin	Prairie-Willow	07010103	5	w-51n23w22-b	7/11/2018	1076.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.02	51	23	27	NENE	46.88206136	-93.23445715	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR556	Aitkin	Prairie-Willow	07010103	5	w-51n23w23-o</													

**Attachment D-2
Line 3 Replacement Project
Access Road/Haul Route Wetland Impact Table**

Feature Type	Access Road / Haul Route Name	County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed ^a	Circular 39 ^a	Cowardin ^a	Total Temporary Impacts (acres) ^b	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category ^c
Access Road	AR556	Aitkin	Prairie-Willow	07010103	5	w-51n23w23-c	7/11/2018	1076.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.01	51	23	23	NESW, SESW, SWSW	46.88429221	-93.22471031	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR559	Aitkin	Prairie-Willow	07010103	5	w-51n23w23-c	7/11/2018	1076.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.01	51	23	23	NESW, SESW, SWSW	46.88429221	-93.22471031	Forested Seasonal Ponds, Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Na
Access Road	AR559	Aitkin	Prairie-Willow	07010103	5	w-51n23w23-c	7/11/2018	1076.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.00	51	23	23	NESW, SESW, SWSW	46.88429221	-93.22471031	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR559	Aitkin	Prairie-Willow	07010103	5	w-51n23w23-c	7/11/2018	1076.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.09	51	23	23	NESW, SESW, SWSW	46.88429221	-93.22471031	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR556	Aitkin	Prairie-Willow	07010103	5	w-51n23w23-n	7/11/2018	1076.8	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	0.02	51	23	23	NESW, NWSE, SESW	46.88596437	-93.22279228	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR556	Aitkin	Prairie-Willow	07010103	5	w-51n23w23-n	7/11/2018	1076.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.17	51	23	23	NESW, NWSE, SESW	46.88596437	-93.22279228	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR556	Aitkin	Prairie-Willow	07010103	5	w-51n23w23-m	7/11/2018	1076.9	1 - Shallow, Open Water	Type 5 - Inland Open Fresh Water	PUB	0.01	51	23	23	NWSE	46.88706734	-93.21782352	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR561-a	Aitkin	Prairie-Willow	07010103	5	w-51n23w23-d ^d	7/11/2018	1077.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.01	51	23	23	NESE, NWSE, SESE, SWSE	46.88582427	-93.21609648	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR561-b	Aitkin	Prairie-Willow	07010103	5	w-51n23w23-d ^d	7/11/2018	1077.0	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	0.01	51	23	23	NESE, NWSE, SESE, SWSE	46.88582427	-93.21609648	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR561-b	Aitkin	Prairie-Willow	07010103	5	w-51n23w23-d ^d	7/11/2018	1077.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.01	51	23	23	NESE, NWSE, SESE, SWSE	46.88582427	-93.21609648	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR561-a	Aitkin	Prairie-Willow	07010103	5	w-51n23w23-bd	9/24/2018	1077.1	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PFO	0.02	51	23	23	SENE	46.88972799	-93.2143974	Forested Seasonal Ponds, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n23w23-k	7/11/2018	1077.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.01	51	23	23	SENE	46.89034916	-93.21265156	Forested Seasonal Ponds, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n23w23-j	7/11/2018	1077.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.01	51	23	23	SENE	46.8903367	-93.21255023	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR556	Aitkin	Prairie-Willow	07010103	5	w-51n23w23-h	7/11/2018	1077.3	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PFO	0.00	51	23	23	SENE	46.89201481	-93.21058046	Forested Seasonal Ponds, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR561-a	Aitkin	Prairie-Willow	07010103	5	w-51n23w23-e	9/24/2018	1077.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.05	51	23	23, 24	NESE, NESW, NWSW, SESE, SESW, SWSW	46.88596184	-93.20983741	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR561-a	Aitkin	St. Louis	04010201	1	w-51n23w23-e	9/24/2018	1077.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.00	51	23	23, 24	NESE, NESW, NWSW, SESE, SESW, SWSW	46.88596184	-93.20983741	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR561-b	Aitkin	Prairie-Willow	07010103	5	w-51n23w23-e	9/24/2018	1077.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.03	51	23	23, 24	NESE, NESW, NWSW, SESE, SESW, SWSW	46.88596184	-93.20983741	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR561-b	Aitkin	Prairie-Willow	07010103	5	w-51n23w23-e	9/24/2018	1077.3	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.00	51	23	23, 24	NESE, NESW, NWSW, SESE, SESW, SWSW	46.88596184	-93.20983741	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR639	Aitkin	St. Louis	04010201	1	w-51n23w23-e	9/24/2018	1077.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.01	51	23	23, 24	NESE, NESW, NWSW, SESE, SESW, SWSW	46.88596184	-93.20983741	Wetlands Hydrologically Connected to Lakes of High or Outstanding Biological Significance, Wetlands Hydrologically Connected to Wild Rice Waters, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n23w24-x	6/26/2018	1077.5	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.00	51	23	24	NWNW	46.89453106	-93.20558855	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n23w24-y	6/26/2018	1077.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.01	51	23	24	NWNW	46.89465709	-93.20553796	Forested Seasonal Ponds, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR556	Aitkin	Prairie-Willow	07010103	5	w-51n23w24-z	6/26/2018	1077.6	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	0.02	51	23	24	NENW	46.89556068	-93.20378507	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR562-a	Aitkin	St. Louis	04010201	1	w-51n23w24-aa	8/15/2018	1077.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.00	51	23	24	NENW	46.89429813	-93.20235676	Forested Seasonal Ponds, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR556	Aitkin	Prairie-Willow	07010103	5	w-51n23w13-i	9/24/2018	1077.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.00	51	23	13, 24	NENW, SESW	46.89696676	-93.20266033	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR556	Aitkin	Prairie-Willow	07010103	5	w-51n23w13-i	9/24/2018	1077.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.02	51	23	13, 24	NENW, SESW	46.89696676	-93.20266033	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n23w13-i	9/24/2018	1077.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.12	51	23	13, 24	NENW, SESW	46.89696676	-93.20266033	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n23w13-i	9/24/2018	1077.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.00	51	23	13, 24	NENW, SESW	46.89696676	-93.20266033	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR562-a	Aitkin	St. Louis	04010201	1	w-51n23w24-ab	8/15/2018	1077.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.05	51	23	24	NENW	46.8939528	-93.20199387	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n23w13-h	6/26/2018	1077.7	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.00	51	23	13	SESW	46.89941585	-93.20121152	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n23w13-g	6/26/2018	1077.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.01	51	23	13	NESW, SESW	46.89981866	-93.20101816	Forested Seasonal Ponds, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR562-b	Aitkin	St. Louis	04010201	1	w-51n23w24-ac	8/15/2018	1077.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.07	51	23	24	SWNE	46.89245145	-93.19938214	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with Known Occurrences of MDNR State-Listed Species, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR562-b	Aitkin	St. Louis	04010201	1	w-51n23w24-ac	8/15/2018	1077.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.00	51	23	24	SWNE	46.89245145	-93.19938214	Forested Seasonal Ponds, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with Known Occurrences of MDNR State-Listed Species, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n23w13-e	6/26/2018	1077.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.05	51	23	13	NWSE	46.90047631	-93.19708304	Forested Seasonal Ponds, Wetlands with High or Outstanding Biodiversity Sites

Attachment D-2
Line 3 Replacement Project
Access Road/Haul Route Wetland Impact Table

Feature Type	Access Road / Haul Route Name	County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed ^a	Circular 39 ^a	Cowardin ^a	Total Temporary Impacts (acres) ^b	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category ^c
Access Road	AR562-b	Aitkin	St. Louis	04010201	1	w-51n23w24-ad	8/17/2018	1077.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.01	51	23	24	SWNE	46.89066797	-93.19728468	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR562-b	Aitkin	St. Louis	04010201	1	w-51n23w24-ad	8/17/2018	1077.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.00	51	23	24	SWNE	46.89066797	-93.19728468	Forested Seasonal Ponds, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR562-b	Aitkin	St. Louis	04010201	1	w-51n23w24-ae	8/17/2018	1077.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.00	51	23	24	SWNE	46.88956347	-93.1967749	Forested Seasonal Ponds, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n23w13-d	6/26/2018	1078.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.00	51	23	13	NESE	46.90074124	-93.19377671	Forested Seasonal Ponds, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR562-b	Aitkin	St. Louis	04010201	1	w-51n23w24-af	8/17/2018	1078.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.02	51	23	24	NESE	46.88713166	-93.19394306	Forested Seasonal Ponds, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n23w13-c	6/26/2018	1078.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.00	51	23	13	NESE	46.90082765	-93.19348523	Forested Seasonal Ponds, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n22w18-h	6/26/2018	1078.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.04	51	22	18	First government lot W. of NWSW	46.90093053	-93.18916328	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR640-a	Aitkin	St. Louis	04010201	1	w-51n22w18-q	8/22/2018	1078.6	3B - Fresh (wet) Meadow	Type 1 - Seasonally Flooded Basin or Flat	PEM	0.02	51	22	18	First government lot W. of NWSW	46.90063316	-93.18764666	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n22w18-e	8/22/2018	1078.6	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.00	51	22	18	NWSW	46.90090216	-93.18468585	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n22w18-e	8/22/2018	1078.6	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.00	51	22	18	NWSW	46.90090216	-93.18468585	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n22w18-f	6/26/2018	1078.6	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.04	51	22	18	First government lot W. of NWSW, NWSW	46.90072526	-93.18502778	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR563	Aitkin	St. Louis	04010201	1	w-51n22w19-ad	9/19/2018	1078.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.12	51	22	19	NWNW	46.89538851	-93.18432042	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR563	Aitkin	St. Louis	04010201	1	w-51n22w19-ad	9/19/2018	1078.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.02	51	22	19	NWNW	46.89538851	-93.18432042	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR563	Aitkin	St. Louis	04010201	1	w-51n22w19-ae	9/19/2018	1078.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.20	51	22	19	NWNW	46.89391783	-93.18443238	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR563	Aitkin	St. Louis	04010201	1	w-51n22w19-ae	9/19/2018	1078.6	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.01	51	22	19	NWNW	46.89391783	-93.18443238	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR563	Aitkin	St. Louis	04010201	1	w-51n22w19-ae	9/19/2018	1078.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.00	51	22	19	NWNW	46.89391783	-93.18443238	Forested Seasonal Ponds, HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR563	Aitkin	St. Louis	04010201	1	w-51n22w19-ae	9/19/2018	1078.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.03	51	22	19	NWNW	46.89391783	-93.18443238	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR563	Aitkin	St. Louis	04010201	1	w-51n22w19-af	9/19/2018	1078.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.05	51	22	19	NWNW	46.89315317	-93.18457086	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR563	Aitkin	St. Louis	04010201	1	w-51n22w19-af	9/19/2018	1078.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.02	51	22	19	NWNW	46.89315317	-93.18457086	Forested Seasonal Ponds, HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR563	Aitkin	St. Louis	04010201	1	w-51n22w19-af	9/19/2018	1078.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.00	51	22	19	NWNW	46.89315317	-93.18457086	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR563	Aitkin	St. Louis	04010201	1	w-51n23w13-k	8/21/2018	1078.6	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.01	51	22	18	SWSW	46.89617493	-93.18495241	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR563	Aitkin	St. Louis	04010201	1	w-51n23w13-k	8/21/2018	1078.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.02	51	22	18	SWSW	46.89617493	-93.18495241	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR640-a	Aitkin	St. Louis	04010201	1	w-51n22w18-o	8/22/2018	1078.6	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.01	51	22	18	First government lot W. of SWSW, SWSW	46.89960875	-93.18532874	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR640-a	Aitkin	St. Louis	04010201	1	w-51n22w18-p	8/22/2018	1078.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.01	51	22	18	First government lot W. of NWSW, First government lot W. of SWSW	46.89969594	-93.18578012	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR640-b	Aitkin	St. Louis	04010201	1	w-51n22w18-n	8/22/2018	1078.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.07	51	22	18	SWSW	46.89947424	-93.18492056	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR640-b	Aitkin	St. Louis	04010201	1	w-51n22w18-m	6/14/2019	1078.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.21	51	22	18	SWSW	46.89856149	-93.18294545	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR640-b	Aitkin	St. Louis	04010201	1	w-51n22w18-m	6/14/2019	1078.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.01	51	22	18	SWSW	46.89856149	-93.18294545	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR563	Aitkin	St. Louis	04010201	1	w-51n22w19-ah	9/19/2018	1078.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.04	51	22	19	SWNW	46.89114896	-93.18222741	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR640-b	Aitkin	St. Louis	04010201	1	w-51n22w18-l	8/21/2018	1078.6	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.04	51	22	18	SWSW	46.89775588	-93.18173487	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR566	Aitkin	St. Louis	04010201	1	w-51n22w18-i	8/21/2018	1078.7	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.03	51	22	18	SWSW	46.89621017	-93.18145454	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR640-b	Aitkin	St. Louis	04010201	1	w-51n22w18-k	6/14/2019	1078.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.04	51	22	18	SWSW	46.89731139	-93.18117827	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR566	Aitkin	St. Louis	04010201	1	w-51n22w18-j	6/15/2019	1078.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.05	51	22	18, 19	NWNW, SWSW	46.89615885	-93.18121786	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR566	Aitkin	St. Louis	04010201	1	w-51n22w18-j	6/15/2019	1078.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.04	51	22	18, 19	NWNW, SWSW	46.89615885	-93.18121786	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities

Attachment D-2
Line 3 Replacement Project
Access Road/Haul Route Wetland Impact Table

Feature Type	Access Road / Haul Route Name	County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed ^a	Circular 39 ^a	Cowardin ^a	Total Temporary Impacts (acres) ^b	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category ^c
Access Road	AR566	Aitkin	St. Louis	04010201	1	w-51n22w18-j	6/15/2019	1078.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.00	51	22	18, 19	NWNW, SWSW	46.89615885	-93.18121786	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n22w18-d	6/26/2018	1078.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.19	51	22	18	NESW, NWSW	46.90069529	-93.17926734	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n22w18-d	6/26/2018	1078.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.00	51	22	18	NESW, NWSW	46.90069529	-93.17926734	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR563	Aitkin	St. Louis	04010201	1	w-51n22w19-ai	9/19/2018	1078.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.17	51	22	19	SENW, SWNW	46.89015274	-93.17971736	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR563	Aitkin	St. Louis	04010201	1	w-51n22w19-ai	9/19/2018	1078.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.04	51	22	19	SENW, SWNW	46.89015274	-93.17971736	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n22w18-c	9/22/2018	1078.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.02	51	22	18	NESW, NWSW	46.90078726	-93.17989942	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n22w18-c	9/22/2018	1078.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.00	51	22	18	NESW, NWSW	46.90078726	-93.17989942	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR563	Aitkin	St. Louis	04010201	1	w-51n22w19-a	9/7/2017	1078.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.00	51	22	19	NESW, NWSE, NWSW, SESW, SWSE, SWSW	46.88508146	-93.17780315	Forested Seasonal Ponds, HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR563	Aitkin	St. Louis	04010201	1	w-51n22w19-a	9/7/2017	1078.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.06	51	22	19	NESW, NWSE, NWSW, SESW, SWSE, SWSW	46.88508146	-93.17780315	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n22w18-a	6/26/2018	1078.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.01	51	22	18	NESW	46.90078183	-93.17532522	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR563	Aitkin	St. Louis	04010201	1	w-51n22w19-ac	9/19/2018	1078.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.43	51	22	19	NESW, NWSE, SENW	46.88774687	-93.17560374	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR563	Aitkin	St. Louis	04010201	1	w-51n22w19-ac	9/19/2018	1078.9	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.49	51	22	19	NESW, NWSE, SENW	46.88774687	-93.17560374	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR563	Aitkin	St. Louis	04010201	1	w-51n22w19-ac	9/19/2018	1078.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.28	51	22	19	NESW, NWSE, SENW	46.88774687	-93.17560374	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR566	Aitkin	St. Louis	04010201	1	w-51n22w19-aj	6/15/2019	1079.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.05	51	22	18, 19	NENE, NENW, NWNE, SESW, SWSE	46.89549664	-93.17341388	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR566	Aitkin	St. Louis	04010201	1	w-51n22w19-aj	6/15/2019	1079.1	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.21	51	22	18, 19	NENE, NENW, NWNE, SESW, SWSE	46.89549664	-93.17341388	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR566	Aitkin	St. Louis	04010201	1	w-51n22w19-aj	6/15/2019	1079.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.31	51	22	18, 19	NENE, NENW, NWNE, SESW, SWSE	46.89549664	-93.17341388	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR567-a	Aitkin	St. Louis	04010201	1	w-51n22w19-aj	6/15/2019	1079.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.29	51	22	18, 19	NENE, NENW, NWNE, SESW, SWSE	46.89549664	-93.17341388	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR567-b	Aitkin	St. Louis	04010201	1	w-51n22w19-aj	6/15/2019	1079.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.15	51	22	18, 19	NENE, NENW, NWNE, SESW, SWSE	46.89549664	-93.17341388	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR567-b	Aitkin	St. Louis	04010201	1	w-51n22w19-aj	6/15/2019	1079.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.21	51	22	18, 19	NENE, NENW, NWNE, SESW, SWSE	46.89549664	-93.17341388	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR567-b	Aitkin	St. Louis	04010201	1	w-51n22w19-aj	6/15/2019	1079.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.81	51	22	18, 19	NENE, NENW, NWNE, SESW, SWSE	46.89549664	-93.17341388	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR567-b	Aitkin	St. Louis	04010201	1	w-51n22w19-ha	6/15/2019	1079.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.03	51	22	19	SENE	46.8904636	-93.16687912	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR567-b	Aitkin	St. Louis	04010201	1	w-51n22w19-hb	6/15/2019	1079.4	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.03	51	22	19	SENE	46.88960448	-93.16665991	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR567-b	Aitkin	St. Louis	04010201	1	w-51n22w20-ad	6/15/2019	1079.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.03	51	22	19	NESE, SENE	46.89018662	-93.1662596	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR567-b	Aitkin	St. Louis	04010201	1	w-51n22w20-ad	6/15/2019	1079.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.32	51	22	19	NESE, SENE	46.89018662	-93.1662596	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR567-b	Aitkin	St. Louis	04010201	1	w-51n22w20-ad	6/15/2019	1079.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.06	51	22	19	NESE, SENE	46.89018662	-93.1662596	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR567-b	Aitkin	St. Louis	04010201	1	w-51n22w20-ac	8/21/2018	1079.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.12	51	22	19, 20	NESE, NWSW	46.88835099	-93.16402422	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR567-b	Aitkin	St. Louis	04010201	1	w-51n22w20-ac	8/21/2018	1079.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.01	51	22	19, 20	NESE, NWSW	46.88835099	-93.16402422	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR567-b	Aitkin	St. Louis	04010201	1	w-51n22w20-ac	8/21/2018	1079.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.23	51	22	19, 20	NESE, NWSW	46.88835099	-93.16402422	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR567-b	Aitkin	St. Louis	04010201	1	w-51n22w20-ab	8/21/2018	1079.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.04	51	22	20	NWSW	46.88783843	-93.16225899	Forested Seasonal Ponds, HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR567-b	Aitkin	St. Louis	04010201	1	w-51n22w20-ab	8/21/2018	1079.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.05	51	22	20	NWSW	46.88783843	-93.16225899	Forested Seasonal Ponds, HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n22w17-z	6/23/2018	1079.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.01	51	22	17, 18	NENE, NENW, NWNW, SENE	46.90901034	-93.16116521	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n22w17-z	6/23/2018	1079.6	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.02	51	22	17, 18	NENE, NENW, NWNW, SENE	46.90901034	-93.16116521	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n22w17-z	6/23/2018	1079.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.05	51	22	17, 18	NENE, NENW, NWNW, SENE	46.90901034	-93.16116521	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n22w17-z	6/23/2018	1079.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.00	51	22	17, 18	NENE, NENW, NWNW, SENE	46.90901034	-93.16116521	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n22w17-z	6/23/2018	1079.6	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	0.09	51	22	17, 18	NENE, NENW, NWNW, SENE	46.90901034	-93.16116521	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n22w17-z	6/23/2018	1079.6	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	0.00	51	22	17, 18	NENE, NENW, NWNW, SENE	46.90901034	-93.16116521	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n22w8-a	6/17/2019	1079.6	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	0.08	51	22	8, 17, 18	NENE, NWNW, SENE, SESW, SWSE, SWSW	46.90904056	-93.16112208	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n22w8-a	6/17/2019	1079.6	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.09	51	22	8, 17, 18	NENE, NWNW, SENE, SESW, SWSE, SWSW	46.90904056	-93.16112208	Wetlands with High or Outstanding Biodiversity Sites

**Attachment D-2
Line 3 Replacement Project
Access Road/Haul Route Wetland Impact Table**

Feature Type	Access Road / Haul Route Name	County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed ^a	Circular 39 ^a	Cowardin ^a	Total Temporary Impacts (acres) ^b	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category ^c
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n22w8-a	6/17/2019	1079.6	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.19	51	22	8, 17, 18	NENE, NWNW, SENE, SESW, SWSE, SWSW	46.90904056	-93.16112208	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n22w8-a	6/17/2019	1079.6	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.01	51	22	8, 17, 18	NENE, NWNW, SENE, SESW, SWSE, SWSW	46.90904056	-93.16112208	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n22w8-a	6/17/2019	1079.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.02	51	22	8, 17, 18	NENE, NWNW, SENE, SESW, SWSE, SWSW	46.90904056	-93.16112208	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n22w8-a	6/17/2019	1079.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.09	51	22	8, 17, 18	NENE, NWNW, SENE, SESW, SWSE, SWSW	46.90904056	-93.16112208	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n22w8-a	6/17/2019	1079.6	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	0.04	51	22	8, 17, 18	NENE, NWNW, SENE, SESW, SWSE, SWSW	46.90904056	-93.16112208	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n22w8-a	6/17/2019	1079.6	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	0.01	51	22	8, 17, 18	NENE, NWNW, SENE, SESW, SWSE, SWSW	46.90904056	-93.16112208	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR567-b	Aitkin	St. Louis	04010201	1	w-51n22w20-aa	6/15/2019	1079.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.00	51	22	20	NWSW	46.8868436	-93.16042886	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR567-b	Aitkin	St. Louis	04010201	1	w-51n22w20-aa	6/15/2019	1079.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.04	51	22	20	NWSW	46.8868436	-93.16042886	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR567-b	Aitkin	St. Louis	04010201	1	w-51n22w20-aa	6/15/2019	1079.7	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.13	51	22	20	NWSW	46.8868436	-93.16042886	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR567-b	Aitkin	St. Louis	04010201	1	w-51n22w20-aa	6/15/2019	1079.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.14	51	22	20	NWSW	46.8868436	-93.16042886	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR567-b	Aitkin	St. Louis	04010201	1	w-51n22w20-aa	6/15/2019	1079.7	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	0.14	51	22	20	NWSW	46.8868436	-93.16042886	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR567-b	Aitkin	St. Louis	04010201	1	w-51n22w20-aa	6/15/2019	1079.7	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	0.01	51	22	20	NWSW	46.8868436	-93.16042886	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR567-b	Aitkin	St. Louis	04010201	1	w-51n22w20-a	6/15/2019	1080.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.22	51	22	20, 21	NESW, SESE, SESW, SWSE, SWSW	46.88474241	-93.15247015	HCVF Wetlands, Old Growth Forested Wetlands, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n22w8-b	9/22/2018	1080.2	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	0.07	51	22	8	SESE, SWSE	46.91073723	-93.14894522	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n22w8-b	9/22/2018	1080.2	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	0.06	51	22	8	SESE, SWSE	46.91073723	-93.14894522	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n22w9-b	6/23/2018	1080.5	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.07	51	22	8, 9	SESE, SWSW	46.91071351	-93.14284002	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n22w9-b	6/23/2018	1080.5	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.05	51	22	8, 9	SESE, SWSW	46.91071351	-93.14284002	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n22w9-a	6/23/2018	1080.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.10	51	22	9, 16	NENE, NENW, NWNE, NWNW, SESE, SWSW	46.91074522	-93.1323454	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n22w9-a	6/23/2018	1080.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.27	51	22	9, 16	NENE, NENW, NWNE, NWNW, SESE, SWSW	46.91074522	-93.1323454	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n22w9-a	6/23/2018	1080.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.07	51	22	9, 16	NENE, NENW, NWNE, NWNW, SESE, SWSW	46.91074522	-93.1323454	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n22w16-z	8/24/2018	1081.0	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.00	51	22	16	NENW, NWNE	46.91058397	-93.1315549	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n22w16-z	8/24/2018	1081.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.03	51	22	16	NENW, NWNE	46.91058397	-93.1315549	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR568-a	Aitkin	St. Louis	04010201	1	w-51n22w16-z	8/24/2018	1081.0	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.00	51	22	16	NENW, NWNE	46.91058397	-93.1315549	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR568-a	Aitkin	St. Louis	04010201	1	w-51n22w16-z	8/24/2018	1081.0	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.01	51	22	16	NENW, NWNE	46.91058397	-93.1315549	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR568-a	Aitkin	St. Louis	04010201	1	w-51n22w16-z	8/24/2018	1081.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.00	51	22	16	NENW, NWNE	46.91058397	-93.1315549	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR568-a	Aitkin	St. Louis	04010201	1	w-51n22w16-z	8/24/2018	1081.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.00	51	22	16	NENW, NWNE	46.91058397	-93.1315549	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR568-a	Aitkin	St. Louis	04010201	1	w-51n22w16-z	8/24/2018	1081.0	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	0.01	51	22	16	NENW, NWNE	46.91058397	-93.1315549	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR568-a	Aitkin	St. Louis	04010201	1	w-51n22w16-z	8/24/2018	1081.0	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PEM	0.10	51	22	16	NENW, NWNE	46.91058397	-93.1315549	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR568-a	Aitkin	St. Louis	04010201	1	w-51n22w16-aa	8/24/2018	1081.0	8 - Seasonally Flooded Basin	Type 1 - Seasonally Flooded Basin or Flat	PFO	0.02	51	22	16	NWNE	46.90942798	-93.13159797	Forested Seasonal Ponds, HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n22w16-y	9/21/2018	1081.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.11	51	22	15, 16	NENE, NWNW	46.91076782	-93.12016311	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n22w16-y	9/21/2018	1081.5	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.03	51	22	15, 16	NENE, NWNW	46.91076782	-93.12016311	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n22w16-y	9/21/2018	1081.5	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	0.00	51	22	15, 16	NENE, NWNW	46.91076782	-93.12016311	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n22w10-a	6/25/2018	1082.2	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	0.01	51	22	10, 11, 14, 15	NENE, NENW, NWNE, NWNW, SESE, SWSE, SWSW	46.91083785	-93.10474138	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n22w10-a	6/25/2018	1082.2	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.21	51	22	10, 11, 14, 15	NENE, NENW, NWNE, NWNW, SESE, SWSE, SWSW	46.91083785	-93.10474138	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n22w10-a	6/25/2018	1082.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.00	51	22	10, 11, 14, 15	NENE, NENW, NWNE, NWNW, SESE, SWSE, SWSW	46.91083785	-93.10474138	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n22w10-a	6/25/2018	1082.2	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	0.02	51	22	10, 11, 14, 15	NENE, NENW, NWNE, NWNW, SESE, SWSE, SWSW	46.91083785	-93.10474138	Cedar Swamp, HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n22w10-a	6/25/2018	1082.2	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	0.08	51	22	10, 11, 14, 15	NENE, NENW, NWNE, NWNW, SESE, SWSE, SWSW	46.91083785	-93.10474138	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n22w10-a	6/25/2018	1082.2	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	0.01	51	22	10, 11, 14, 15	NENE, NENW, NWNE, NWNW, SESE, SWSE, SWSW	46.91083785	-93.10474138	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR569-c	Aitkin	St. Louis	04010201	1	w-51n22w22-aa	9/17/2018	1082.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.01	51	22	22	NENE	46.89625678	-93.10402379	Forested Seasonal Ponds, HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities

**Attachment D-2
Line 3 Replacement Project
Access Road/Haul Route Wetland Impact Table**

Feature Type	Access Road / Haul Route Name	County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed ^a	Circular 39 ^a	Cowardin ^a	Total Temporary Impacts (acres) ^b	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category ^c
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n22w15-z	6/25/2018	1082.4	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.01	51	22	14, 15	NENE, NENW, NWNE, NWNW	46.91075527	-93.10233418	Cedar Swamp, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n22w15-z	6/25/2018	1082.4	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.09	51	22	14, 15	NENE, NENW, NWNE, NWNW	46.91075527	-93.10233418	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n22w15-z	6/25/2018	1082.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.00	51	22	14, 15	NENE, NENW, NWNE, NWNW	46.91075527	-93.10233418	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n22w15-z	6/25/2018	1082.4	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	0.04	51	22	14, 15	NENE, NENW, NWNE, NWNW	46.91075527	-93.10233418	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n22w15-z	6/25/2018	1082.4	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	0.00	51	22	14, 15	NENE, NENW, NWNE, NWNW	46.91075527	-93.10233418	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR569-c	Aitkin	St. Louis	04010201	1	w-51n22w14-ah	6/17/2019	1082.5	4B - Coniferous Bog	Type 8 - Bog	PFO	0.07	51	22	14, 15, 22	NENE, SESE, SWSW	46.89662004	-93.10029167	Forested Seasonal Ponds, HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR569-c	Aitkin	St. Louis	04010201	1	w-51n22w14-ah	6/17/2019	1082.5	4B - Coniferous Bog	Type 8 - Bog	PFO	0.01	51	22	14, 15, 22	NENE, SESE, SWSW	46.89662004	-93.10029167	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR569-c	Aitkin	St. Louis	04010201	1	w-51n22w14-ah	6/17/2019	1082.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.01	51	22	14, 15, 22	NENE, SESE, SWSW	46.89662004	-93.10029167	Forested Seasonal Ponds, HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR569-c	Aitkin	St. Louis	04010201	1	w-51n22w14-ah	6/17/2019	1082.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.27	51	22	14, 15, 22	NENE, SESE, SWSW	46.89662004	-93.10029167	Forested Seasonal Ponds, HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR569-c	Aitkin	St. Louis	04010201	1	w-51n22w14-ah	6/17/2019	1082.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.01	51	22	14, 15, 22	NENE, SESE, SWSW	46.89662004	-93.10029167	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR569-c	Aitkin	St. Louis	04010201	1	w-51n22w14-ag	6/17/2019	1082.7	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	1.29	51	22	14	NESW, NWSW, SENW, SWSW	46.90077131	-93.09593228	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR569-c	Aitkin	St. Louis	04010201	1	w-51n22w14-ag	6/17/2019	1082.7	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.42	51	22	14	NESW, NWSW, SENW, SWSW	46.90077131	-93.09593228	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR569-c	Aitkin	St. Louis	04010201	1	w-51n22w14-ag	6/17/2019	1082.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.05	51	22	14	NESW, NWSW, SENW, SWSW	46.90077131	-93.09593228	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR569-c	Aitkin	St. Louis	04010201	1	w-51n22w14-ag	6/17/2019	1082.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.00	51	22	14	NESW, NWSW, SENW, SWSW	46.90077131	-93.09593228	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR569-c	Aitkin	St. Louis	04010201	1	w-51n22w14-ag	6/17/2019	1082.7	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	0.72	51	22	14	NESW, NWSW, SENW, SWSW	46.90077131	-93.09593228	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR569-c	Aitkin	St. Louis	04010201	1	w-51n22w14-ag	6/17/2019	1082.7	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	0.06	51	22	14	NESW, NWSW, SENW, SWSW	46.90077131	-93.09593228	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n22w14-y	6/25/2018	1082.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.06	51	22	14	NENW	46.91074594	-93.09275787	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n22w14-y	6/25/2018	1082.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.00	51	22	14	NENW	46.91074594	-93.09275787	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n22w11-b	6/25/2018	1082.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.00	51	22	14	NENW	46.91081955	-93.09152035	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR569-b	Aitkin	St. Louis	04010201	1	w-51n22w14-aa	8/23/2018	1082.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.01	51	22	14	NENW	46.90850316	-93.09063833	Forested Seasonal Ponds, HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR569-c	Aitkin	St. Louis	04010201	1	w-51n22w14-ae	9/17/2018	1082.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.03	51	22	14	SENE	46.90613745	-93.09068277	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n22w14-z	6/22/2018	1083.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.04	51	22	11	SESW, SWSE	46.9111379	-93.08935616	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR569-b	Aitkin	St. Louis	04010201	1	w-51n22w14-ac	6/17/2019	1083.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.03	51	22	14	SWNE	46.90655321	-93.08921082	Cedar Swamp, HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR569-b	Aitkin	St. Louis	04010201	1	w-51n22w14-ac	6/17/2019	1083.0	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.04	51	22	14	SWNE	46.90655321	-93.08921082	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR569-b	Aitkin	St. Louis	04010201	1	w-51n22w14-ac	6/17/2019	1083.0	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	0.01	51	22	14	SWNE	46.90655321	-93.08921082	Forested Seasonal Ponds, HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR569-b	Aitkin	St. Louis	04010201	1	w-51n22w14-ac	6/17/2019	1083.0	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	0.01	51	22	14	SWNE	46.90655321	-93.08921082	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n22w11-a	6/22/2018	1083.0	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.15	51	22	11	SESW, SWSE	46.91167635	-93.08845389	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n22w11-a	6/22/2018	1083.0	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.00	51	22	11	SESW, SWSE	46.91167635	-93.08845389	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n22w11-a	6/22/2018	1083.0	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	0.03	51	22	11	SESW, SWSE	46.91167635	-93.08845389	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n22w11-a	6/22/2018	1083.0	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	0.01	51	22	11	SESW, SWSE	46.91167635	-93.08845389	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR568-b	Aitkin	St. Louis	04010201	1	w-51n22w22-a ^d	6/17/2019	1083.7	4B - Coniferous Bog	Type 8 - Bog	PFO	0.97	51	21, 22	15, 16, 19, 20, 21, 22, 23, 24	NENE, NENW, NESE, NWNE, NWSE, NWSW, SENE, SESE, SESW, SWNE, SWSE, SWSW	46.88808038	-93.08852891	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR568-b	Aitkin	St. Louis	04010201	1	w-51n22w22-a ^d	6/17/2019	1083.7	4B - Coniferous Bog	Type 8 - Bog	PFO	0.71	51	21, 22	15, 16, 19, 20, 21, 22, 23, 24	NENE, NENW, NESE, NWNE, NWSE, NWSW, SENE, SESE, SESW, SWNE, SWSE, SWSW	46.88808038	-93.08852891	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR568-b	Aitkin	St. Louis	04010201	1	w-51n22w22-a ^d	6/17/2019	1083.7	4B - Coniferous Bog	Type 8 - Bog	PFO	0.40	51	21, 22	15, 16, 19, 20, 21, 22, 23, 24	NENE, NENW, NESE, NWNE, NWSE, NWSW, SENE, SESE, SESW, SWNE, SWSE, SWSW	46.88808038	-93.08852891	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR568-b	Aitkin	St. Louis	04010201	1	w-51n22w22-a ^d	6/17/2019	1083.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.35	51	21, 22	15, 16, 19, 20, 21, 22, 23, 24	NENE, NENW, NESE, NWNE, NWSE, NWSW, SENE, SESE, SESW, SWNE, SWSE, SWSW	46.88808038	-93.08852891	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites

**Attachment D-2
Line 3 Replacement Project
Access Road/Haul Route Wetland Impact Table**

Feature Type	Access Road / Haul Route Name	County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed ^a	Circular 39 ^a	Cowardin ^a	Total Temporary Impacts (acres) ^b	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category ^c
Access Road	AR568-b	Aitkin	St. Louis	04010201	1	w-51n22w22-a ^d	6/17/2019	1083.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.00	51	21, 22	15, 16, 19, 20, 21, 22, 23, 24	NENE, NENW, NESE, NWNE, NWSE, NWSW, SENE, SESE, SESW, SWNE, SWSE, SWSW	46.88808038	-93.08852891	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR568-b	Aitkin	St. Louis	04010201	1	w-51n22w22-a ^d	6/17/2019	1083.7	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	0.17	51	21, 22	15, 16, 19, 20, 21, 22, 23, 24	NENE, NENW, NESE, NWNE, NWSE, NWSW, SENE, SESE, SESW, SWNE, SWSE, SWSW	46.88808038	-93.08852891	Cedar Swamp, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR568-b	Aitkin	St. Louis	04010201	1	w-51n22w22-a ^d	6/17/2019	1083.7	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	1.21	51	21, 22	15, 16, 19, 20, 21, 22, 23, 24	NENE, NENW, NESE, NWNE, NWSE, NWSW, SENE, SESE, SESW, SWNE, SWSE, SWSW	46.88808038	-93.08852891	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR568-b	Aitkin	St. Louis	04010201	1	w-51n22w22-a ^d	6/17/2019	1083.7	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	0.02	51	21, 22	15, 16, 19, 20, 21, 22, 23, 24	NENE, NENW, NESE, NWNE, NWSE, NWSW, SENE, SESE, SESW, SWNE, SWSE, SWSW	46.88808038	-93.08852891	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR568-b	Aitkin	St. Louis	04010201	1	w-51n22w22-a ^d	6/17/2019	1083.7	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	2.74	51	21, 22	15, 16, 19, 20, 21, 22, 23, 24	NENE, NENW, NESE, NWNE, NWSE, NWSW, SENE, SESE, SESW, SWNE, SWSE, SWSW	46.88808038	-93.08852891	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR568-b	Aitkin	St. Louis	04010201	1	w-51n22w22-a ^d	6/17/2019	1083.7	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	0.02	51	21, 22	15, 16, 19, 20, 21, 22, 23, 24	NENE, NENW, NESE, NWNE, NWSE, NWSW, SENE, SESE, SESW, SWNE, SWSE, SWSW	46.88808038	-93.08852891	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR569-c	Aitkin	St. Louis	04010201	1	w-51n22w22-a ^d	6/17/2019	1083.7	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	0.20	51	21, 22	15, 16, 19, 20, 21, 22, 23, 24	NENE, NENW, NESE, NWNE, NWSE, NWSW, SENE, SESE, SESW, SWNE, SWSE, SWSW	46.88808038	-93.08852891	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR569-c	Aitkin	St. Louis	04010201	1	w-51n22w22-a ^d	6/17/2019	1083.7	3A - Sedge Meadow	Type 2 - Inland Fresh Meadow	PEM	0.04	51	21, 22	15, 16, 19, 20, 21, 22, 23, 24	NENE, NENW, NESE, NWNE, NWSE, NWSW, SENE, SESE, SESW, SWNE, SWSE, SWSW	46.88808038	-93.08852891	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR569-c	Aitkin	St. Louis	04010201	1	w-51n22w22-a ^d	6/17/2019	1083.7	4B - Coniferous Bog	Type 8 - Bog	PFO	0.22	51	21, 22	15, 16, 19, 20, 21, 22, 23, 24	NENE, NENW, NESE, NWNE, NWSE, NWSW, SENE, SESE, SESW, SWNE, SWSE, SWSW	46.88808038	-93.08852891	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR569-c	Aitkin	St. Louis	04010201	1	w-51n22w22-a ^d	6/17/2019	1083.7	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.01	51	21, 22	15, 16, 19, 20, 21, 22, 23, 24	NENE, NENW, NESE, NWNE, NWSE, NWSW, SENE, SESE, SESW, SWNE, SWSE, SWSW	46.88808038	-93.08852891	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR569-c	Aitkin	St. Louis	04010201	1	w-51n22w22-a ^d	6/17/2019	1083.7	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.07	51	21, 22	15, 16, 19, 20, 21, 22, 23, 24	NENE, NENW, NESE, NWNE, NWSE, NWSW, SENE, SESE, SESW, SWNE, SWSE, SWSW	46.88808038	-93.08852891	Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR569-c	Aitkin	St. Louis	04010201	1	w-51n22w22-a ^d	6/17/2019	1083.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.15	51	21, 22	15, 16, 19, 20, 21, 22, 23, 24	NENE, NENW, NESE, NWNE, NWSE, NWSW, SENE, SESE, SESW, SWNE, SWSE, SWSW	46.88808038	-93.08852891	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR569-c	Aitkin	St. Louis	04010201	1	w-51n22w22-a ^d	6/17/2019	1083.7	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	0.49	51	21, 22	15, 16, 19, 20, 21, 22, 23, 24	NENE, NENW, NESE, NWNE, NWSE, NWSW, SENE, SESE, SESW, SWNE, SWSE, SWSW	46.88808038	-93.08852891	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR569-c	Aitkin	St. Louis	04010201	1	w-51n22w22-a ^d	6/17/2019	1083.7	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	0.07	51	21, 22	15, 16, 19, 20, 21, 22, 23, 24	NENE, NENW, NESE, NWNE, NWSE, NWSW, SENE, SESE, SESW, SWNE, SWSE, SWSW	46.88808038	-93.08852891	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR569-c	Aitkin	St. Louis	04010201	1	w-51n22w22-a ^d	6/17/2019	1083.7	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	0.47	51	21, 22	15, 16, 19, 20, 21, 22, 23, 24	NENE, NENW, NESE, NWNE, NWSE, NWSW, SENE, SESE, SESW, SWNE, SWSE, SWSW	46.88808038	-93.08852891	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR643-a	St. Louis	St. Louis	04010201	1	w-51n22w22-a ^d	6/17/2019	1083.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.30	51	21, 22	15, 16, 19, 20, 21, 22, 23, 24	NENE, NENW, NESE, NWNE, NWSE, NWSW, SENE, SESE, SESW, SWNE, SWSE, SWSW	46.88808038	-93.08852891	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR643-a	St. Louis	St. Louis	04010201	1	w-51n22w22-a ^d	6/17/2019	1083.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.14	51	21, 22	15, 16, 19, 20, 21, 22, 23, 24	NENE, NENW, NESE, NWNE, NWSE, NWSW, SENE, SESE, SESW, SWNE, SWSE, SWSW	46.88808038	-93.08852891	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR643-b	St. Louis	St. Louis	04010201	1	w-51n22w22-a ^d	6/17/2019	1083.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.48	51	21, 22	15, 16, 19, 20, 21, 22, 23, 24	NENE, NENW, NESE, NWNE, NWSE, NWSW, SENE, SESE, SESW, SWNE, SWSE, SWSW	46.88808038	-93.08852891	
Access Road	AR643-b	St. Louis	St. Louis	04010201	1	w-51n22w22-a ^d	6/17/2019	1083.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.69	51	21, 22	15, 16, 19, 20, 21, 22, 23, 24	NENE, NENW, NESE, NWNE, NWSE, NWSW, SENE, SESE, SESW, SWNE, SWSE, SWSW	46.88808038	-93.08852891	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n21w7-a	6/22/2018	1084.4	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	0.01	51	21, 22	13, 14, 18	NENE, NENW, NWNE, NWNW	46.9108314	-93.06565574	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n21w7-a	6/22/2018	1084.4	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	0.06	51	21, 22	13, 14, 18	NENE, NENW, NWNE, NWNW	46.9108314	-93.06565574	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR556	St. Louis	St. Louis	04010201	1	w-51n21w7-a	6/22/2018	1084.4	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.17	51	21, 22	13, 14, 18	NENE, NENW, NWNE, NWNW	46.9108314	-93.06565574	
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n21w17-z	6/22/2018	1084.7	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.02	51	21, 22	13, 14, 17, 18	NENE, NENW, NWNE, NWNW	46.9107671	-93.05968303	Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n21w17-z	6/22/2018	1084.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.00	51	21, 22	13, 14, 17, 18	NENE, NENW, NWNE, NWNW	46.9107671	-93.05968303	Cedar Swamp, HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n21w17-z	6/22/2018	1084.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.05	51	21, 22	13, 14, 17, 18	NENE, NENW, NWNE, NWNW	46.9107671	-93.05968303	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n21w17-z	6/22/2018	1084.7	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	0.00	51	21, 22	13, 14, 17, 18	NENE, NENW, NWNE, NWNW	46.9107671	-93.05968303	Cedar Swamp, HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites, Wetlands with S1, S2, or S3 Native Plant Communities
Access Road	AR556	Aitkin	St. Louis	04010201	1	w-51n21w17-z	6/22/2018	1084.7	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	0.18	51	21, 22	13, 14, 17, 18	NENE, NENW, NWNE, NWNW	46.9107671	-93.05968303	HCVF Wetlands, Wetlands with High or Outstanding Biodiversity Sites
Access Road	AR556	St. Louis	St. Louis	04010201	1	w-51n21w17-z	6/22/2018	1084.7	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.26	51	21, 22	13, 14, 17, 18	NENE, NENW, NWNE, NWNW	46.9107671	-93.05968303	
Access Road	AR556	St. Louis	St. Louis	04010201	1	w-51n21w17-z	6/22/2018	1084.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.03	51	21, 22	13, 14, 17, 18	NENE, NENW, NWNE, NWNW	46.9107671	-93.05968303	

**Attachment D-2
Line 3 Replacement Project
Access Road/Haul Route Wetland Impact Table**

Feature Type	Access Road / Haul Route Name	County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed ^a	Circular 39 ^a	Cowardin ^a	Total Temporary Impacts (acres) ^b	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category ^c
Access Road	AR556	St. Louis	St. Louis	04010201	1	w-51n21w8-a	6/22/2018	1086.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.01	51	21	17	NENW, NWNE	46.91118101	-93.02724317	
Access Road	AR694-b	St. Louis	St. Louis	04010201	1	w-51n21w22-a	9/25/2018	1087.3	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.05	51	21	15, 20, 21, 22	NESE, NESW, NWNW, NWSE, NWSW, SWNW, SWSW	46.88987527	-93.00274722	
Access Road	AR694-b	St. Louis	St. Louis	04010201	1	w-51n21w22-a	9/25/2018	1087.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.07	51	21	15, 20, 21, 22	NESE, NESW, NWNW, NWSE, NWSW, SWNW, SWSW	46.88987527	-93.00274722	
Access Road	AR694-c	St. Louis	St. Louis	04010201	1	w-51n21w22-a	9/25/2018	1087.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.01	51	21	15, 20, 21, 22	NESE, NESW, NWNW, NWSE, NWSW, SWNW, SWSW	46.88987527	-93.00274722	
Access Road	AR694-d	St. Louis	St. Louis	04010201	1	w-51n21w22-a	9/25/2018	1087.3	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	0.41	51	21	15, 20, 21, 22	NESE, NESW, NWNW, NWSE, NWSW, SWNW, SWSW	46.88987527	-93.00274722	
Access Road	AR694-d	St. Louis	St. Louis	04010201	1	w-51n21w22-a	9/25/2018	1087.3	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.52	51	21	15, 20, 21, 22	NESE, NESW, NWNW, NWSE, NWSW, SWNW, SWSW	46.88987527	-93.00274722	
Access Road	AR694-d	St. Louis	St. Louis	04010201	1	w-51n21w22-a	9/25/2018	1087.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.55	51	21	15, 20, 21, 22	NESE, NESW, NWNW, NWSE, NWSW, SWNW, SWSW	46.88987527	-93.00274722	
Access Road	AR694-a	St. Louis	St. Louis	04010201	1	w-51n21w15-bc	9/25/2018	1087.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.04	51	21	15	NWSW	46.90360942	-92.99549885	
Access Road	AR644-a	St. Louis	St. Louis	04010201	1	w-51n21w23-a	8/28/2018	1089.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.16	51	21	22, 23	NENE, NESE, NESW, NWSE, NWSW, SENE, SWNE	46.88879443	-92.96424934	
Access Road	AR644-b	St. Louis	St. Louis	04010201	1	w-51n21w23-a	8/28/2018	1089.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.07	51	21	22, 23	NENE, NESE, NESW, NWSE, NWSW, SENE, SWNE	46.88879443	-92.96424934	
Access Road	AR644-b	St. Louis	St. Louis	04010201	1	w-51n21w23-a	8/28/2018	1089.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.10	51	21	22, 23	NENE, NESE, NESW, NWSE, NWSW, SENE, SWNE	46.88879443	-92.96424934	
Access Road	AR644-c	St. Louis	St. Louis	04010201	1	w-51n21w23-a	8/28/2018	1089.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.00	51	21	22, 23	NENE, NESE, NESW, NWSE, NWSW, SENE, SWNE	46.88879443	-92.96424934	
Access Road	AR644-d	St. Louis	St. Louis	04010201	1	w-51n21w23-a	8/28/2018	1089.1	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	0.46	51	21	22, 23	NENE, NESE, NESW, NWSE, NWSW, SENE, SWNE	46.88879443	-92.96424934	
Access Road	AR644-d	St. Louis	St. Louis	04010201	1	w-51n21w23-a	8/28/2018	1089.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.22	51	21	22, 23	NENE, NESE, NESW, NWSE, NWSW, SENE, SWNE	46.88879443	-92.96424934	
Access Road	AR644-e	St. Louis	St. Louis	04010201	1	w-51n21w23-a	8/28/2018	1089.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.00	51	21	22, 23	NENE, NESE, NESW, NWSE, NWSW, SENE, SWNE	46.88879443	-92.96424934	
Access Road	AR644-e	St. Louis	St. Louis	04010201	1	w-51n21w23-a	8/28/2018	1089.1	4A - Open Bog	Type 8 - Bog	PEM	0.01	51	21	22, 23	NENE, NESE, NESW, NWSE, NWSW, SENE, SWNE	46.88879443	-92.96424934	
Access Road	AR644-e	St. Louis	St. Louis	04010201	1	w-51n21w23-a	8/28/2018	1089.1	4B - Coniferous Bog	Type 8 - Bog	PFO	0.03	51	21	22, 23	NENE, NESE, NESW, NWSE, NWSW, SENE, SWNE	46.88879443	-92.96424934	
Access Road	AR644-e	St. Louis	St. Louis	04010201	1	w-51n21w23-a	8/28/2018	1089.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.06	51	21	22, 23	NENE, NESE, NESW, NWSE, NWSW, SENE, SWNE	46.88879443	-92.96424934	
Access Road	AR644-f	St. Louis	St. Louis	04010201	1	w-51n21w23-a	8/28/2018	1089.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.04	51	21	22, 23	NENE, NESE, NESW, NWSE, NWSW, SENE, SWNE	46.88879443	-92.96424934	
Access Road	AR644-f	St. Louis	St. Louis	04010201	1	w-51n21w23-a	8/28/2018	1089.1	4A - Open Bog	Type 8 - Bog	PEM	0.01	51	21	22, 23	NENE, NESE, NESW, NWSE, NWSW, SENE, SWNE	46.88879443	-92.96424934	
Access Road	AR644-f	St. Louis	St. Louis	04010201	1	w-51n21w23-a	8/28/2018	1089.1	4B - Coniferous Bog	Type 8 - Bog	PFO	0.01	51	21	22, 23	NENE, NESE, NESW, NWSE, NWSW, SENE, SWNE	46.88879443	-92.96424934	
Access Road	AR644-b	St. Louis	St. Louis	04010201	1	w-51n21w23-ad	8/27/2018	1089.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.00	51	21	23	SWNE	46.89134658	-92.95874718	
Access Road	AR644-c	St. Louis	St. Louis	04010201	1	w-51n21w23-ad	8/27/2018	1089.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.01	51	21	23	SWNE	46.89134658	-92.95874718	
Access Road	AR579-a	St. Louis	St. Louis	04010201	1	w-51n20w19-aa	8/28/2018	1090.3	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.02	51	20, 21	18, 19, 24	NENE, NWNW, SWSW	46.89580893	-92.93193699	
Access Road	AR579-a	St. Louis	St. Louis	04010201	1	w-51n20w19-aa	8/28/2018	1090.3	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.00	51	20, 21	18, 19, 24	NENE, NWNW, SWSW	46.89580893	-92.93193699	
Access Road	AR576	St. Louis	St. Louis	04010201	1	w-51n21w24-b ^d	6/11/2019	1090.6	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.12	51	20, 21	19, 24	NENE, NESE, NESW, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.88610962	-92.93312228	
Access Road	AR576	St. Louis	St. Louis	04010201	1	w-51n21w24-b ^d	6/11/2019	1090.6	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	0.00	51	20, 21	19, 24	NENE, NESE, NESW, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.88610962	-92.93312228	
Access Road	AR578-a	St. Louis	St. Louis	04010201	1	w-51n21w24-b ^d	6/11/2019	1090.6	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.18	51	20, 21	19, 24	NENE, NESE, NESW, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.88610962	-92.93312228	
Access Road	AR578-a	St. Louis	St. Louis	04010201	1	w-51n21w24-b ^d	6/11/2019	1090.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.00	51	20, 21	19, 24	NENE, NESE, NESW, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.88610962	-92.93312228	
Access Road	AR578-b	St. Louis	St. Louis	04010201	1	w-51n21w24-b ^d	6/11/2019	1090.6	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.22	51	20, 21	19, 24	NENE, NESE, NESW, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.88610962	-92.93312228	
Access Road	AR578-c	St. Louis	St. Louis	04010201	1	w-51n21w24-b ^d	6/11/2019	1090.6	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.47	51	20, 21	19, 24	NENE, NESE, NESW, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.88610962	-92.93312228	
Access Road	AR578-d	St. Louis	St. Louis	04010201	1	w-51n21w24-b ^d	6/11/2019	1090.6	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.13	51	20, 21	19, 24	NENE, NESE, NESW, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.88610962	-92.93312228	
Access Road	AR578-e	St. Louis	St. Louis	04010201	1	w-51n21w24-b ^d	6/11/2019	1090.6	4B - Coniferous Bog	Type 8 - Bog	PFO	0.28	51	20, 21	19, 24	NENE, NESE, NESW, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.88610962	-92.93312228	
Access Road	AR578-e	St. Louis	St. Louis	04010201	1	w-51n21w24-b ^d	6/11/2019	1090.6	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.30	51	20, 21	19, 24	NENE, NESE, NESW, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.88610962	-92.93312228	
Access Road	AR578-e	St. Louis	St. Louis	04010201	1	w-51n21w24-b ^d	6/11/2019	1090.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.26	51	20, 21	19, 24	NENE, NESE, NESW, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.88610962	-92.93312228	
Access Road	AR579-a	St. Louis	St. Louis	04010201	1	w-51n21w24-b ^d	6/11/2019	1090.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.01	51	20, 21	19, 24	NENE, NESE, NESW, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.88610962	-92.93312228	

**Attachment D-2
Line 3 Replacement Project
Access Road/Haul Route Wetland Impact Table**

Feature Type	Access Road / Haul Route Name	County	Major Watershed	Hydrologic Unit Code (HUC) 8	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed ^a	Circular 39 ^a	Cowardin ^a	Total Temporary Impacts (acres) ^b	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category ^c
Access Road	AR579-b	St. Louis	St. Louis	04010201	1	w-51n21w24-b ^d	6/11/2019	1090.6	4B - Coniferous Bog	Type 8 - Bog	PFO	0.02	51	20, 21	19, 24	NENE, NESE, NESW, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.88610962	-92.93312228	
Access Road	AR579-b	St. Louis	St. Louis	04010201	1	w-51n21w24-b ^d	6/11/2019	1090.6	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.04	51	20, 21	19, 24	NENE, NESE, NESW, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.88610962	-92.93312228	
Access Road	AR579-b	St. Louis	St. Louis	04010201	1	w-51n21w24-b ^d	6/11/2019	1090.6	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.06	51	20, 21	19, 24	NENE, NESE, NESW, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.88610962	-92.93312228	
Access Road	AR579-b	St. Louis	St. Louis	04010201	1	w-51n21w24-b ^d	6/11/2019	1090.6	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	0.00	51	20, 21	19, 24	NENE, NESE, NESW, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.88610962	-92.93312228	
Access Road	AR579-c	St. Louis	St. Louis	04010201	1	w-51n21w24-b ^d	6/11/2019	1090.6	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	0.18	51	20, 21	19, 24	NENE, NESE, NESW, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.88610962	-92.93312228	
Access Road	AR579-c	St. Louis	St. Louis	04010201	1	w-51n21w24-b ^d	6/11/2019	1090.6	4A - Open Bog	Type 8 - Bog	PEM	0.32	51	20, 21	19, 24	NENE, NESE, NESW, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.88610962	-92.93312228	
Access Road	AR579-c	St. Louis	St. Louis	04010201	1	w-51n21w24-b ^d	6/11/2019	1090.6	4B - Coniferous Bog	Type 8 - Bog	PFO	0.27	51	20, 21	19, 24	NENE, NESE, NESW, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.88610962	-92.93312228	
Access Road	AR579-c	St. Louis	St. Louis	04010201	1	w-51n21w24-b ^d	6/11/2019	1090.6	6B - Coniferous Swamp	Type 7 - Wooded Swamp	PFO	0.02	51	20, 21	19, 24	NENE, NESE, NESW, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWNW, SWSE, SWSW	46.88610962	-92.93312228	
Access Road	AR580-b	St. Louis	St. Louis	04010201	1	w-51n20w21-e	6/20/2018	1093.5	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.04	51	20	21, 28	NENE, SESE	46.88151714	-92.87235854	
Access Road	AR580-b	St. Louis	St. Louis	04010201	1	w-51n20w21-e	6/20/2018	1093.5	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.00	51	20	21, 28	NENE, SESE	46.88151714	-92.87235854	
Access Road	AR580-b	St. Louis	St. Louis	04010201	1	w-51n20w28-a	6/20/2018	1093.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.01	51	20	27, 28	NENE, NWNW, SWNW	46.87978955	-92.87024879	
Access Road	AR580-b	St. Louis	St. Louis	04010201	1	w-51n20w28-a	6/20/2018	1093.7	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.00	51	20	27, 28	NENE, NWNW, SWNW	46.87978955	-92.87024879	
Access Road	AR713	St. Louis	St. Louis	04010201	1	w-51n20w27-bb	9/4/2019	1094.1	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.00	51	20	27	SENE	46.87549829	-92.86282439	
Access Road	AR583	St. Louis	St. Louis	04010201	1	w-50n20w1-da	10/8/2018	1096.8	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.02	50	20	1	NENW	46.85193706	-92.82140225	
Access Road	AR583	St. Louis	St. Louis	04010201	1	w-50n20w1-db	10/8/2018	1096.8	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.00	50	20	1	NENW	46.8519532	-92.82117927	
Access Road	AR583	St. Louis	St. Louis	04010201	1	w-50n20w1-dd	10/8/2018	1096.9	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.01	50	20	1	NENW	46.8519532	-92.82117927	
Access Road	AR583	St. Louis	St. Louis	04010201	1	w-50n20w1-dd	10/8/2018	1096.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.03	50	20	1	NWNW	46.84928611	-92.82310611	Forested Seasonal Ponds
Access Road	AR583	St. Louis	St. Louis	04010201	1	w-50n20w1-dc	10/8/2018	1096.9	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.00	50	20	1	NWNW	46.84960822	-92.82263992	Forested Seasonal Ponds
Access Road	AR645-a	St. Louis	St. Louis	04010201	1	w-50n20w1-e ^d	9/26/2018	1097.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.10	50	20	1, 12	NENE, SESE	46.83828406	-92.80924433	
Access Road	AR645-a	St. Louis	St. Louis	04010201	1	w-50n20w1-e ^d	9/26/2018	1097.9	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.02	50	20	1, 12	NENE, SESE	46.83828406	-92.80924433	
Access Road	AR645-b	St. Louis	St. Louis	04010201	1	w-50n20w1-e ^d	9/26/2018	1097.9	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	0.03	50	20	1, 12	NENE, SESE	46.83828406	-92.80924433	
Access Road	AR645-b	St. Louis	St. Louis	04010201	1	w-50n20w1-e ^d	9/26/2018	1097.9	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.17	50	20	1, 12	NENE, SESE	46.83828406	-92.80924433	
Access Road	AR645-b	St. Louis	St. Louis	04010201	1	w-50n20w1-e ^d	9/26/2018	1097.9	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.07	50	20	1, 12	NENE, SESE	46.83828406	-92.80924433	
Access Road	AR645-c	St. Louis	St. Louis	04010201	1	w-50n20w1-e ^d	9/26/2018	1097.9	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.02	50	20	1, 12	NENE, SESE	46.83828406	-92.80924433	
Access Road	AR646	St. Louis	St. Louis	04010201	1	w-50n19w7-c	9/26/2018	1098.7	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.08	50	19	7	NWSE, SENW, SWNE	46.83045481	-92.7963514	
Access Road	AR646	St. Louis	St. Louis	04010201	1	w-50n19w7-c	9/26/2018	1098.7	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.00	50	19	7	NWSE, SENW, SWNE	46.83045481	-92.7963514	
Access Road	AR646-a	St. Louis	St. Louis	04010201	1	w-50n19w7-c	9/26/2018	1098.7	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.14	50	19	7	NWSE, SENW, SWNE	46.83045481	-92.7963514	
Access Road	AR646-b	St. Louis	St. Louis	04010201	1	w-50n19w7-c	9/26/2018	1098.7	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.17	50	19	7	NWSE, SENW, SWNE	46.83045481	-92.7963514	
Access Road	AR585	St. Louis	St. Louis	04010201	1	w-50n19w7-g	6/19/2018	1099.3	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.00	50	19	7	SESE	46.82581927	-92.7873941	
Access Road	AR586-a	St. Louis	St. Louis	04010201	1	w-50n19w17-r	7/12/2018	1099.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.00	50	19	17	NWNW	46.82262749	-92.78633845	
Access Road	AR586-b	St. Louis	St. Louis	04010201	1	w-50n19w17-r	7/12/2018	1099.4	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.06	50	19	17	NWNW	46.82262749	-92.78633845	
Access Road	AR586-a	St. Louis	St. Louis	04010201	1	w-50n19w17-q	7/12/2018	1099.5	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.00	50	19	17	NWNW	46.82243668	-92.78623519	
Access Road	AR586-b	St. Louis	St. Louis	04010201	1	w-50n19w17-q	7/12/2018	1099.5	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.02	50	19	17	NWNW	46.82243668	-92.78623519	
Access Road	AR586-b	St. Louis	St. Louis	04010201	1	w-50n19w17-q	7/12/2018	1099.5	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.02	50	19	17	NWNW	46.82243668	-92.78623519	
Access Road	AR586-b	St. Louis	St. Louis	04010201	1	w-50n19w17-p	7/12/2018	1099.7	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.00	50	19	17	NWNW	46.82028439	-92.7826389	
Access Road	AR587	St. Louis	St. Louis	04010201	1	w-50n19w17-p	7/12/2018	1099.7	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.00	50	19	17	NWNW	46.82028439	-92.7826389	
Access Road	AR586-b	St. Louis	St. Louis	04010201	1	w-50n19w17-o	7/12/2018	1099.7	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.03	50	19	17	NWNW, SWNW	46.82006088	-92.7826537	
Access Road	AR586-b	St. Louis	St. Louis	04010201	1	w-50n19w17-n	7/12/2018	1099.7	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.06	50	19	17	NWNW, SENW, SWNW	46.81993055	-92.78151781	
Access Road	AR586-b	St. Louis	St. Louis	04010201	1	w-50n19w17-m	7/12/2018	1099.9	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.00	50	19	17	SENE	46.81874356	-92.7786294	
Access Road	AR586-b	St. Louis	St. Louis	04010201	1	w-50n19w17-l	7/12/2018	1100.0	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.00	50	19	17	SENE	46.8181446	-92.7771593	
Access Road	AR586-b	St. Louis	St. Louis	04010201	1	w-50n19w17-k	7/12/2018	1100.0	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.01	50	19	17	SENE	46.81728384	-92.77686278	
Access Road	AR586-b	St. Louis	St. Louis	04010201	1	w-50n19w17-j	7/12/2018	1100.1	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.01	50	19	17	SWNE	46.8173553	-92.77510946	
Access Road	AR586-b	St. Louis	St. Louis	04010201	1	w-50n19w17-h	7/12/2018	1100.2	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.01	50	19	17	NWSE, SWNE	46.81680505	-92.77358373	
Access Road	AR586-b	St. Louis	St. Louis	04010201	1	w-50n19w17-h	7/12/2018	1100.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.01	50	19	17	NWSE, SWNE	46.81680505	-92.77358373	
Access Road	AR586-b	St. Louis	St. Louis	04010201	1	w-50n19w17-h	7/12/2018	1100.2	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.00	50	19	17	NWSE, SWNE	46.81680505	-92.77358373	Forested Seasonal Ponds
Access Road	AR588	St. Louis	St. Louis	04010201	1	w-50n19w22-a	7/18/2018	1103.1	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.00	50	19	22, 26, 27, 35	NENW, NESE, NWNE, NWNW, NWSE, NWSW, SENE, SENW, SESE, SESW, SWNE, SWSE, SWSW	46.78973844	-92.72739635	
Access Road	AR599	Carlton	St. Louis	04010201	1	w-48n17w8-h	7/12/2018	1116.1	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.02	48	17	8	SWNW	46.65971056	-92.53242175	
Access Road	AR599	Carlton	St. Louis	04010201	1	w-48n17w8-h	7/12/2018	1116.1	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.02	48	17	8	SWNW	46.65971056	-92.53242175	
Access Road	AR599	Carlton	St. Louis	04010201	1	w-48n17w8-a	7/12/2018	1116.3	2B - Shallow Marsh	Type 3 - Inland Shallow Fresh Marsh	PEM	0.02	48	17	8	SENE, SWNW	46.6582039	-92.52923013	Wetlands Hydrologically Connected to Trout Streams
Access Road	AR599	Carlton	St. Louis	04010201	1	w-48n17w8-a	7/12/2018	1116.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.09	48	17	8	SENE, SWNW	46.6582039	-92.52923013	Wetlands Hydrologically Connected to Trout Streams
Access Road	AR599	Carlton	St. Louis	04010201	1	w-48n17w8-i	7/12/2018	1116.4	5A - Shrub-Carr	Type 6 - Shrub Swamp	PSS	0.05	48	17	8	SENE, SWNW	46.65803474	-92.52808289	
Access Road	AR600-c	Carlton	St. Louis	04010201	1	w-48n17w16-a	10/8/2018	1117.8	6A - Hardwood Swamp	Type 7 - Wooded Swamp	PFO	0.10	48	17	16				

Attachment D-2
Line 3 Replacement Project
Access Road/Haul Route Wetland Impact Table

Feature Type	Access Road / Haul Route Name	County	Major Watershed	Hydrologic Unit Code (HUC) ^d	Bank Service Area (BSA)	Feature ID	Survey Date	Approximate Milepost	Eggers & Reed ^a	Circular 39 ^a	Cowardin ^a	Total Temporary Impacts (acres) ^b	Township	Range	Section	Quarter-Quarter Section	Latitude	Longitude	Special Wetland Category ^c	
Access Road	AR453.2-b	Carlton	St. Louis	04010201	1	CR162a1W	6/26/2015	1129.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.01	48	15	31	NWSW	46.59622746	-92.30014733		
Access Road	AR453.2-a	Carlton	St. Louis	04010201	1	CR162e1W	6/25/2015	1129.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.00	48	15	31	NWSW	46.5956881	-92.30008335		
Access Road	AR453.2-b	Carlton	St. Louis	04010201	1	CR162e1W	6/25/2015	1129.0	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.03	48	15	31	NWSW	46.5956881	-92.30008335		
Access Road	AR454	Carlton	St. Louis	04010201	1	CR163a1W	8/1/2016	1129.2	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.00	48	15	31	NESW, NWSW	46.59584595	-92.29465948		
Access Road	AR454	Carlton	St. Louis	04010201	1	CR163b1W	8/1/2016	1129.3	3B - Fresh (wet) Meadow	Type 2 - Inland Fresh Meadow	PEM	0.00	48	15	31	NESW	46.59581166	-92.29284064		
TOTAL												52.26								

^a PEM = Palustrine Emergent; PSS=Palustrine Scrub Shrub; PFO = Palustrine Forested; PUB = Palustrine Unconsolidated Bottom (Cowardin et al, 1979). Eggers, S. D. and D. M. Reed. 2014. Wetland Plants and Communities of Minnesota and Wisconsin. St. Paul. U.S. Army Corps of Engineers.

^b Area of wetland impact that occurs within the access road/haul route corridor, based typically on a 30-foot-wide workspace.

^c Special Wetland Categories are discussed in the L3R Wetland Compensatory Mitigation Plan.

^d Indicates the proposed removal of a beaver dam located within or near the wetland.