

County-Bremer

Project: NHSN-218-8(106)2R-09

Road: 218

Job: 2R092188106

Page- 1 of 3

				Sender	Plastic			*****				Proctor		CAR-	Texture	AASHTO		** Sieve Analysis(% Passing) **									
Station	Dist.	LAYER	Lab No.	No.	LL	PL	PI	GR	SA	SI	CL	Den	M	BON	Class	A (New)<Old>	Color	3/4	3/8	4	10	40	100	200			
* Borrow 2	Hole 1	0.0-4.0	07-178	A2605A	19	16	3	4	68	21	7				0.8	SA LO	1-2(4/0) <0>	V Dk Gr Br		100	99	96	69	37	28		
Borrow 2	Hole 1	4.0-21.0	07-179	A2605B				25	68	6	1					G SA	1-B(0) <0>	Dk O Gr	100	98	92	75	25	8	7 *		
Borrow 2	Hole 2	21.5-25.0	07-180	A2606C	36	13	23	4	37	36	23	123	12			LO	6(10) <10>	Olive Gr		100	99	96	83	66	59		
Borrow 2	Hole 3	0.0-3.0	07-181	A2607A			0	3	73	19	5				0.9	LO SA	1-2(4/0) <0>	V Dk Gr			100	97	67	29	24		
* Borrow 2	Hole 3	3.0-19.5	07-182	A2607B				27	70	2	1					G SA	1-B(0) <0>	V Dk Gr Br	100	98	91	73	22	4	3 *		
* Borrow 3	Hole 1	0.0-2.8	06-1077	A2389A				7	79	11	3				1.0	LO SA	1-B(0) <0>	V Dk Gr Br	100	98	96	93	44	18	14		
* Borrow 3	Hole 1	2.8-25.0	06-1078	A2389B				26	71	2	1					G SA	1-B(0) <0>	Dk Y Br	99	96	90	74	24	5	3 *		
* Borrow 3	Hole 1	25.0-42.0	06-1079	A2389C				16	78	4	2					G SA	1-B(0) <0>	Olive Br		100	96	84	31	9	6 *		
Borrow 3	Hole 3	0.0-3.3	06-1080	A2391A	18	16	2	3	79	14	4				1.3	LO SA	1-2(4/0) <0>	V Dk Br		100	99	97	57	23	18		
* Borrow 3	Hole 3	3.3-26.0	06-1081	A2391B				28	66	5	1					G SA	1-B(0) <0>	Dk Y Br	100	97	88	72	32	8	6 *		
* Borrow 3	Hole 3	26.0-37.5	06-1082	A2391C				21	73	5	1					G SA	1-B(0) <0>	Dk Gr Br	100	99	94	79	28	9	6 *		
Borrow 3	Hole 5	0.0-2.0	06-1083	A2393A	22	17	5	7	72	16	5				1.7	LO SA	1-B(0) <0>	V Dk Br	100	99	97	93	50	24	21		
* Borrow 3	Hole 5	2.0-26.0	06-1084	A2393B				24	73	2	1					G SA	1-B(0) <0>	Brown	100	99	93	76	25	5	3 *		
* Borrow 3	Hole 5	26.0-50.0	06-1085	A2393C				20	76	3	1					G SA	1-B(0) <0>	Brown	100	98	94	80	29	6	4 *		
* Borrow 3	Hole 6	0.0-2.5	06-1086	A2394A				6	85	6	3				1.0	SA	1-B(0) <0>	V Dk Gr Br		100	98	94	43	12	9 *		
* Borrow 3	Hole 6	2.5-26.0	06-1087	A2394B				23	75	1	1					G SA	1-B(0) <0>	Brown	100	99	93	77	23	3	2 *		
* Borrow 3	Hole 6	26.0-50.0	06-1088	A2394C				22	74	3	1					G SA	1-B(0) <0>	Dk Gr Br	100	99	94	78	24	6	4 *		
Borrow 5	Hole 1	0.0-2.0	06-1065	A2382A	22	15	7	8	70	15	7				2.1	SA LO	1-2(4/0) <0>	Black	100	98	97	92	53	25	22		
* Borrow 5	Hole 1	2.0-20.0	06-1066	A2382B				24	75	1	0					G SA	1-B(0) <0>	Dk Y Br	100	98	92	76	20	2	1 *		
* Borrow 5	Hole 1	20.0-50.0	06-1067	A2382C				18	78	3	1					G SA	1-B(0) <0>	Brown	100	99	94	82	26	8	4 *		
* Borrow 5	Hole 2	0.0-2.0	06-1068	A2383A				12	75	9	4				0.7	G LO SA	1-2(4/0) <0>	V Dk Gr	96	94	92	88	58	19	13 *		
* Borrow 5	Hole 2	2.0-21.0	06-1069	A2383B				22	76	2	0					G SA	1-B(0) <0>	Dk Y Br	99	96	91	78	28	3	2 *		
* Borrow 5	Hole 2	21.0-50.0	06-1070	A2383C				9	88	2	1					SA	1-B(0) <0>	Dk Y Br	100	99	97	91	42	4	3 *		
Borrow 5	Hole 5	0.0-3.5	06-1071	A2386A	19	17	2	4	75	16	5				1.3	LO SA	1-2(4/0) <0>	V Dk Gr Br		100	99	96	69	30	21		
* Borrow 5	Hole 5	3.5-26.0	06-1072	A2386B				25	73	2	0					G SA	1-B(0) <0>	Dk Y Br	96	94	88	75	24	4	2 *		
* Borrow 5	Hole 5	26.0-50.0	06-1073	A2386C				23	73	3	1					G SA	1-B(0) <0>	Dk Y Br	100	98	93	77	21	5	4 *		
Borrow 5	Hole 7	0.0-3.5	06-1074	A2388A	28	19	9	3	67	23	7				2.2	SA LO	1-2(4/0) <0>	V Dk Gr		100	99	97	56	35	30		
* Borrow 5	Hole 7	3.5-28.0	06-1075	A2388B				17	75	6	2					G SA	1-B(0) <0>	Dk Gr Br	99	98	93	83	34	11	8 *		
* Borrow 5	Hole 7	28.0-50.0	06-1076	A2388C				10	84	4	2					SA	1-B(0) <0>	Gr Br	100	99	97	90	45	8	6 *		
Borrow 6	Hole 1	0.0-2.5	06-1101	A2404A	24	16	8	0	61	28	11	113	15		1.6	SA LO	4(0) <1>	Black				100	94	49	39		
Borrow 6	Hole 1	2.5-9.5	06-1102	A2404B	32	12	20	1	38	36	25	118	13			LO	6(9) <9>	Lt O Br				100	99	93	71	61	
Borrow 6	Hole 1	9.5-36.5	06-1103	A2404C	34	12	22	1	27	45	27	117	13			CL LO	6(13) <12>	GRAY		100	99	99	96	80	72		
Borrow 6	Hole 2	0.0-2.5	06-1104	A2405A			0	0	74	20	6				0.7	SA LO	1-2(4/0) <0>	V Dk Gr Br				100	96	42	26		
Borrow 6	Hole 2	33.0-44.5	06-1105	A2405D	32	13	19	4	25	45	26	117	13			LO	6(11) <11>	Gr Br	98	98	97	96	94	80	71		
* Borrow 6	Hole 3	3.0-8.5	06-1106	A2406B	32	12	20	1	34	40	25					LO	6(10) <10>	Lt O Br		100	99	99	94	76	65 *		
Borrow 6	Hole 3	8.5-27.5	06-1107	A2406C	33	13	20	0	27	46	27					LO	6(12) <12>	Dark Gr				100	97	83	73		
* Borrow 6	Hole 3	27.5-38.0	06-1108	A2406D	26	11	15	1	45	36	18					LO	6(4) <6>	Olive Br			100	99	90	64	54 *		
* Borrow 6	Hole 4	2.5-6.5	06-1109	A2407B				0	85	10	5					LO SA	1-2(4/0) <0>	Dk Y Br				100	79	34	15 *		
Borrow 6	Hole 5	0.0-3.5	06-1110	A2408A	17	15	2	0	68	23	9				0.8	SA LO	1-2(4/0) <0>	V Dk Br				100	97	51	32		
* Borrow 6	Hole 5	3.5-17.0	06-1111	A2408B	25	13	12	4	35	44	17					LO	6(4) <6>	Dk Y Br	97	97	97	96	91	69	61 *		
Station	Dist.	Layer	Lab No.	S No.	LL	PL	PI	GR	SA	SI	CL	Den	M	CRB	Texture	A (New)<Old>	Color	3/4	3/8	4	10	40	100	200			

Samples bracketed by asterisks (*) meet the 'Select' criteria except for a missing proctor

County-Bremer

Project: NHSN-218-8(106)2R-09

Road: 218

Job: 2R092188106

Page- 2 of 3

Station	Dist.	LAYER	Lab No.	Sender No.	Plastic				*****				Proctor Den	M	CAR- BON	Texture Class	AASHTO		** Sieve Analysis(% Passing) **							
					LL	PL	PI	GR	SA	SI	CL	A (New)<Old>					Color	3/4	3/8	4	10	40	100	200		
* Borrow 6	Hole 5	17.0-43.0	06-1112	A2408C	38	13	25	0	30	39	31					CL LO	6(15) <13>	Olive Gr				100	97	80	70 *	
Borrow 6	Hole 6	2.5-7.0	06-1113	A2409B			0	1	82	12	5					LO SA	2-4(0) <0>	Dk Y Br			100	99	70	34	17	
Borrow 6	Hole 7	9.5-24.5	06-1114	A2410C	17	14	3	2	72	16	10					SA LO	2-4(0) <0>	Olive Br		100	99	98	82	39	26	
Borrow 6	Hole 8	0.0-3.3	06-1115	A2411A			0	0	77	18	5			0.9		LO SA	2-4(0) <0>	V Dk Gr Br				100	96	42	23	
* Borrow 6	Hole 8	3.3-16.0	06-1116	A2411B			NP	24	65	8	3					G LO SA	1-B(0) <0>	Olive Br	87	82	79	76	48	18	11 *	
Borrow 6	Hole 8	16.0-30.0	06-1117	A2411C	20	12	8	3	58	28	11					SA LO	4(0) <1>	Olive Br	100	99	99	97	84	52	39	
* Borrow 6	Hole 9	0.0-3.0	06-1118	A2412A			NP	0	87	10	3			0.7		SA	2-4(0) <0>	V Dk Br				100	86	29	13 *	
Borrow 6	Hole 9	3.0-12.5	06-1119	A2412B			0	0	77	18	5					LO SA	2-4(0) <0>	Dk Y Br				100	90	34	23	
* Borrow 6	Hole 9	12.5-29.5	06-1120	A2412C	35	13	22	1	32	39	28					CL LO	6(12) <11>	Dk Gr Br		100	99	99	93	75	67 *	
Borrow 7	Hole 1	0.0-3.0	07-141	A2591A	21	15	6	5	64	22	9			1.2		SA LO	2-4(0) <0>	V Dk Gr		100	99	95	71	39	31	
* Borrow 7	Hole 1	3.0-10.0	07-142	A2591B			NP	14	79	5	2					G SA	1-B(0) <0>	Dk O Gr	97	95	92	86	36	11	7 *	
* Borrow 7	Hole 1	10.0-25.0	07-143	A2591C			NP	26	59	12	3					G LO SA	1-B(0) <0>	Dk Y Br	100	97	88	74	39	19	15 *	
Borrow 7	Hole 1	25.0-40.0	07-144	A2591D			0	7	77	13	3					LO SA	2-4(0) <0>	Olive Br	100	99	98	93	66	25	16	
Borrow 7	Hole 1	40.0-45.0	07-145	A2591E	47	15	32	0	17	49	34					SI CL LO	7-6(26) <17>	Olive Br				100	94	86	83	
* Borrow 7	Hole 3	0.0-2.5	07-146	A2593A	31	18	13	1	46	34	19			1.4		LO	6(4) <5>	V Dk Gr			100	99	83	59	53 *	
* Borrow 7	Hole 3	2.5-22.0	07-147	A2593B			NP	17	73	8	2					G SA	1-B(0) <0>	Dk Y Br	100	98	94	83	35	14	10 *	
* Borrow 7	Hole 3	22.0-40.0	07-148	A2593C	25	11	14	2	50	29	19					LO	6(3) <4>	Olive Br		100	99	98	91	57	48 *	
* Borrow 7	Hole 5	0.0-3.5	07-149	A2595A	28	17	11	1	54	31	14			2.0		SA LO	6(2) <2>	Black			100	99	81	50	45 *	
* Borrow 7	Hole 5	3.5-25.0	07-150	A2595B			NP	15	76	7	2					G SA	1-B(0) <0>	Dk Gr Br	98	96	93	85	36	16	9 *	
Borrow 7	Hole 5	25.0-45.0	07-151	A2595C			0	7	77	14	2					LO SA	2-4(0) <0>	Lt O Br	100	99	98	93	55	20	16	
* Borrow 7	Hole 6	0.0-1.5	07-152	A2596A			NP	7	83	7	3			0.5		SA	1-B(0) <0>	V Dk Gr Br		100	98	93	48	12	10 *	
* Borrow 7	Hole 6	1.5-28.0	07-153	A2596B			NP	23	74	2	1					G SA	1-B(0) <0>	Dk Y Br	97	95	91	77	20	4	3 *	
Borrow 9	Hole 1	0.0-6.5	07-154	A2597A			0	0	80	15	5					LO SA	2-4(0) <0>	Dk Y Br				100	89	31	20	
Borrow 9	Hole 2	0.0-7.0	07-155	A2598A			NP	0	88	7	5					SA	2-4(0) <0>	Dk Y Br				100	82	22	12 *	
Borrow 9	Hole 2	7.0-12.5	07-156	A2598B	24	10	14	4	68	10	18					SA LO	2-6(1) <1>	Dk Y Br	99	98	96	96	74	34	28	
Borrow 9	Hole 3	0.0-2.0	07-157	A2599A	28	15	13	1	47	31	21	115	14			LO	6(3) <5>	V Dk Gr Br			100	99	91	60	32	
Borrow 9	Hole 4	0.0-1.5	07-158	A2600A	22	14	8	1	58	28	13	110	13			SA LO	4(0) <1>	V Dk Gr Br		100	99	95	91	64	41	
Borrow 9	Hole 5	0.0-2.5	07-159	A2601A	24	15	6	0	64	36	11	115	13	1.1		LO	6(0) <3>	V Dk Gr				100	89	31	20	
Borrow 10	Hole 1	0.0-3.5	07-160	A2601B	50	15	35	5	49	12	34	112	15			SA CI	7-6(11) <6>	Dk Y Br	100	98	97	95	75	35	46	
Borrow 10	Hole 2	0.0-3.0	07-171	A2602A	17	15	2	1	69	22	8	122	12	0.8		SA LO	2-4(0) <0>	V Dk Gr		100	99	99	82	40	30	
Borrow 10	Hole 2	3.0-7.5	07-172	A2602B	19	14	5	0	76	13	11					SA LO	2-4(0) <0>	Dark Brown				100	79	29	24	
Borrow 10	Hole 3	0.0-3.0	07-173	A2603A	21	15	6	0	57	31	12	121	12			SA LO	4(0) <2>	V Dk Gr Br				100	89	35	25	
Borrow 10	Hole 3	3.0-9.0	07-174	A2603B			NP	0	91	6	3					SA	3(0) <0>	Olive Br				100	97	17	12	
Borrow 10	Hole 3	9.0-19.0	07-175	A2603C	43	14	29	0	53	17	30					SA CL LO	7-6(3) <3>	V Br				100	80	33	47 *	
Borrow 10	Hole 4	0.0-2.5	07-176	A2604A	26	16	10	0	49	35	16			1.3		LO	4(2) <3>	V Dk Br				100	91	34	23	
Borrow 10	Hole 4	2.5-7.5	07-177	A2604B	53	17	36	1	28	31	43					CL	7-6(26) <18>	O Yellow			100	33	34	60	74	
Borrow 11	Hole 1	0.0-1.0	08-1055	A2376A	49	28	21	2	39	41	18	93	25	3.3		LO	7-6(11) <10>	Black		100	99	98	96	69	59	
Borrow 11	Hole 1	1.0-2.0	08-1056	A2376A	46	30	10	0	18	69	13			3.5		SI LO	7-5(15) <12>	V Dk Gr				100	88	67	82	
Borrow 11	Hole 3	2.0-7.0	08-1057	A2378B	35	14	24	0	40	34	29					CL LO	6(9) <9>	Lt O Br				100	96	68	60 *	
Borrow 11	Hole 3	0.0-2.0	08-1058	A2380A	46	30	16	0	12	73	15	87	29	3.3		SI LO	7-5(17) <12>	Black				100	89	62	88	

Station	Dist.	Layer	Lab No.	S No.	LL	PL	PI	GR	SA	SI	CL	Den	M	CRB	Texture	A (New)<Old>	Color	3/4	3/8	4	10	40	100	200
---------	-------	-------	---------	-------	----	----	----	----	----	----	----	-----	---	-----	---------	--------------	-------	-----	-----	---	----	----	-----	-----

Samples bracketed by asterisks (*) meet the 'Select' criteria except for a missing proctor

County-Black Hawk

Project: NHSX-218-7(207)3H-07

Road: 218

Job: 3H072187207

Page- 1 of 1

Station	Dist.	LAYER	Lab No.	Sender No.	Plastic LL PL PI	*****				Proctor Den	M	CAR- BON	Texture Class	AASHTO A (New)<Old>	Color	** Sieve Analysis(% Passing) **									
						GR	SA	SI	CL							3/4	3/8	4	10	40	100	200			
* Borrow 6-A	Hole 1	0.0-1.5	12-918	R1752A	30 19 11	2	50	35	13				LO	6(2) <3>	V Dk Br				100	98	83	52	48	*	
* Borrow 6-A	Hole 1	1.5-24.0	12-919	R1752B	NP	17	74	7	2				G SA	1-B(0) <0>	Dk Y Br	100	98	95	83	35	11		9	*	
Borrow 6-A	Hole 2	0.0-1.5	12-920	R1753A	0	0	81	13	6				LO SA	2-4(0) <0>	Dark Brown				100	68	22	19			
* Borrow 6-A	Hole 2	1.5-38.0	12-921	R1753B	47 14 33	17	42	19	22				G SA CL LO	7-6(7) <7>	Lt O Br	100	98	96	83	58	44	41	*		
* Borrow 6-A	Hole 3	0.7-31.0	12-922	R1754B	NP	18	76	5	1				G SA	1-B(0) <0>	Brown	100	99	95	82	39	8		6	*	
Borrow 6-A	Hole 3	31.0-33.0	12-923	R1754C	32 21 11	3	20	60	17	114	15		SI LO	6(7) <8>	Olive Br				100	99	97	91	80	77	
Borrow 6-A	Hole 4	0.0-0.7	12-924	R1755A	25 18 7	1	65	28	6				SA LO	2-4(0) <0>	Dk O Gr				100	99	76	39	34		
* Borrow 6-A	Hole 4	0.7-33.0	12-925	R1755B	NP	13	82	4	1				G SA	1-B(0) <0>	Dk O Gr	100	99	97	87	46	8		5	*	
Borrow 6-A	Hole 5	0.7-5.0	12-926	R1756B	0	1	81	13	5				LO SA	2-4(0) <0>	Dark Brown				100	99	64	21	18		
* Borrow 6-A	Hole 6	7.0-20.0	12-927	R1757C	NP	11	77	8	4				G LO SA	1-B(0) <0>	V Dk Gr Br	100	99	96	89	45	15	12	*		
Borrow 6-B	Hole 1	0.0-2.0	12-930	R1758A	22 15 7	1	65	25	9				SA LO	2-4(0) <0>	V Dk Gr				100	99	79	40	34		
* Borrow 6-B	Hole 1	2.0-28.0	12-931	R1758B	NP	10	81	7	2				SA	1-B(0) <0>	Dk Y Br	97	97	94	90	38	12		9	*	
* Borrow 6-B	Hole 2	0.5-33.0	12-932	R1759B	NP	4	90	5	1				SA	3(0) <0>	Lt O Br				100	99	96	54	9	6	*
Borrow 6-B	Hole 3	0.0-0.5	12-933	R1760A	22 16 6	0	70	22	8				SA LO	2-4(0) <0>	V Dk Gr Br				100	74	32	30			
Borrow 6-B	Hole 3	0.5-3.0	12-934	R1760B	19 15 4	0	75	18	7				SA LO	2-4(0) <0>	V Dk Gr Br				100	74	27	25			
* Borrow 6-B	Hole 4	3.0-33.0	12-935	R1761C	NP	2	89	7	2				SA	3(0) <0>	Dk O Gr				100	99	98	77	15	9	*
Borrow 6-B	Hole 6	0.0-2.0	12-936	R1763A	22 17 5	1	56	33	10				SA LO	4(0) <2>	Black				100	99	82	49	43		
* Borrow 6-B	Hole 6	2.0-28.0	12-937	R1763B	27 12 15	8	64	16	12				SA LO	2-6(1) <1>	Olive Br				100	98	92	61	32	28	*
Station	Dist.	Laver	Lab No.	S No.	LL PL PI	GR	SA	SI	CL	Den	M	CRB	Texture	A (New)<Old>	Color	3/4	3/8	4	10	40	100	200			

Samples bracketed by asterisks (*) meet the 'Select' criteria except for a missing proctor

(0)-0 (1)-0 (2)-18 (3)-0 (4)-0 (5)-0 (6)-0 (7)-0 (8)-0 (9)-0

Total Samples = 18