

D192

Site Name : TowerCity ND HBD  
 Milepost : 49.0

Seq Number : 15386  
 DB Index # : 192

Direction : East  
 Speed In/Out: 30/40 MPH  
 Slow Speed : 30 MPH

Arrival : 19:43 12-30-2013  
 Departure : 19:45  
 Approach Speed : 0 MPH  
 Approach Length: ~175.5 Feet

Amb Temp : -1 F

Battery Voltage: 13.35

Axles : 442  
 Alarms : 0  
 Integ Fails : 0  
 System Warn : 0  
 Ch1 Atypical: 0  
 Ch2 Atypical: 0  
 Sunshot Fltr: Inactive  
 Radio : On  
 HBD Scanners: On

Train Length : 6568.9 Feet  
 Cars : 109  
 Gate A Cnt : 442  
 Gate B Cnt : 442  
 Ch1 Atyp Alm: 0  
 Ch2 Atyp Alm: 0  
 DED Alarms : On  
 AUX Alarms : Off

Integ Ch1 : 235 F  
 Integ Ch2 : 253 F

Avg Ch1 : 21 F  
 Avg Ch2 : 24 F

ABS High : 170 F  
 Diff Limit : 150 F  
 Diff Low Lim: 130 F  
 CSA Slope : 1.60  
 CSA Limit : 130 F

Lowest Ch1 : 0 F  
 Lowest Ch2 : 0 F  
 Highest Ch1 : 38 F  
 Highest Ch2 : 43 F  
 Warm High : 170 F

HBD Filter : 13 Point Median Filter

Car Num	Axle Num	Spacing (Feet)	Ch1 (F)	Ch2 (F)	Alarms
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Car Num	Axle Num	Spacing (Feet)	Ch1 (F)	Ch2 (F)	Alarms
1	1	0.0	N/A	N/A	
	2	6.6	0	0	
	3	6.6	0	0	
	4	33.7	0	0	
	5	6.6	0	0	
	6	6.6	2	4	
2	7	14.2	2	4	
	8	6.6	4	8	
	9	6.6	4	8	
	10	33.6	0	0	
	11	6.6	0	4	
	12	6.6	2	8	
3	13	10.5	36	29	
	14	5.8	23	20	
	15	39.8	27	23	
	16	5.8	16	12	
4	17	7.3	27	12	
	18	5.8	24	40	
	19	40.3	20	34	
	20	5.8	29	23	
5	21	7.8	33	12	
	22	5.7	27	40	
	23	40.1	29	23	
	24	5.7	30	31	

Heat Units = F

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6	25	7.8	27	20
	26	5.7	33	37
	27	40.3	27	34
	28	5.7	27	29
7	29	7.7	20	12
	30	5.7	27	37
	31	41.5	24	23
	32	5.9	18	26
8	33	7.9	23	20
	34	5.9	27	37
	35	41.4	24	26
	36	5.8	24	26
9	37	7.9	30	20
	38	5.9	24	37
	39	41.2	23	26
	40	5.8	24	40
10	41	7.9	23	16
	42	5.8	30	26
	43	40.5	29	23
	44	5.8	20	26
11	45	7.7	29	26
	46	5.8	18	16
	47	40.4	20	23
	48	5.7	23	29
12	49	7.7	20	20
	50	5.8	27	31
	51	40.2	27	37
	52	5.7	24	40
13	53	7.7	23	12
	54	5.8	30	26
	55	40.1	23	31
	56	5.8	24	23
14	57	7.7	4	8
	58	5.7	29	34
	59	39.9	33	26
	60	5.7	30	23
15	61	7.6	27	16
	62	5.7	29	29
	63	41.5	24	29
	64	5.9	18	31
16	65	8.0	18	20
	66	5.9	24	29
	67	41.4	27	26
	68	5.9	24	31
17	69	7.9	23	8
	70	5.8	23	26
	71	40.7	10	23
	72	5.8	23	29
18	73	7.8	34	20
	74	5.8	24	23
	75	40.6	20	29

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	76	5.8	24	20
19	77	7.8	29	8
	78	5.8	4	31
	79	40.5	34	26
	80	5.8	38	37
20	81	7.9	34	26
	82	5.8	23	29
	83	40.3	27	34
	84	5.8	23	29
21	85	7.8	8	16
	86	5.8	10	8
	87	40.7	8	4
	88	5.8	16	29
22	89	7.7	27	16
	90	5.8	24	40
	91	40.6	24	31
	92	5.7	27	23
23	93	7.8	20	34
	94	5.7	24	34
	95	40.5	18	29
	96	5.7	23	29
24	97	7.7	23	12
	98	5.7	8	12
	99	40.3	20	26
	100	5.9	18	26
25	101	7.8	10	8
	102	5.9	34	40
	103	41.0	38	26
	104	5.9	10	31
26	105	7.8	27	23
	106	5.9	27	29
	107	41.4	27	23
	108	5.8	27	31
27	109	7.9	12	12
	110	5.9	20	26
	111	41.2	20	29
	112	5.8	8	20
28	113	7.8	23	20
	114	5.8	18	34
	115	41.1	27	29
	116	5.8	23	31
29	117	7.8	18	23
	118	5.8	24	31
	119	41.1	29	26
	120	5.8	27	29
30	121	7.8	20	23
	122	5.8	24	29
	123	41.0	27	34
	124	5.8	24	26
31	125	7.7	18	23

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	126	5.8	27	34
	127	40.8	23	29
	128	5.8	23	34
32	129	7.7	20	20
	130	5.8	24	37
	131	40.7	20	23
	132	5.8	24	34
33	133	7.8	10	20
	134	5.8	23	31
	135	40.6	10	26
	136	5.7	12	23
34	137	7.8	24	12
	138	5.8	24	34
	139	40.6	24	37
	140	5.7	24	23
35	141	7.6	16	23
	142	5.7	29	34
	143	40.5	29	16
	144	5.7	27	29
36	145	7.9	20	20
	146	5.8	24	34
	147	40.4	24	29
	148	5.7	24	31
37	149	7.9	34	20
	150	5.9	24	26
	151	40.9	33	34
	152	5.8	33	29
38	153	7.8	20	16
	154	5.8	29	31
	155	40.8	16	26
	156	5.8	18	20
39	157	7.9	20	20
	158	5.8	29	31
	159	41.1	27	29
	160	5.8	24	26
40	161	7.9	20	16
	162	5.8	27	31
	163	41.0	27	37
	164	5.8	24	31
41	165	7.7	20	12
	166	5.8	33	29
	167	40.4	23	43
	168	5.7	34	29
42	169	7.7	16	20
	170	5.7	24	23
	171	40.8	23	8
	172	5.7	23	29
43	173	7.7	20	16
	174	5.7	27	37
	175	40.7	29	29
	176	5.7	27	31

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44	177	7.7	20	20
	178	5.7	27	29
	179	40.5	30	26
	180	5.7	20	29
45	181	7.7	12	12
	182	5.7	27	31
	183	40.0	18	31
	184	5.9	29	34
46	185	8.0	23	16
	186	5.9	20	16
	187	40.9	20	31
	188	5.8	27	29
47	189	7.9	24	16
	190	5.8	33	40
	191	41.3	18	23
	192	5.8	18	31
48	193	7.8	30	20
	194	5.8	24	37
	195	41.1	24	26
	196	5.8	27	29
49	197	7.6	4	16
	198	5.8	30	40
	199	40.4	18	23
	200	5.8	29	26
50	201	7.6	23	12
	202	5.8	23	34
	203	40.9	8	37
	204	5.8	16	23
51	205	7.5	4	16
	206	5.8	20	31
	207	40.9	2	20
	208	5.8	24	29
52	209	7.6	27	16
	210	5.8	34	43
	211	40.3	18	23
	212	5.8	4	16
53	213	7.5	36	29
	214	5.7	10	29
	215	40.8	20	12
	216	5.7	29	37
54	217	7.4	16	16
	218	5.8	27	31
	219	40.7	16	23
	220	5.8	24	26
55	221	7.4	24	12
	222	5.7	18	29
	223	41.7	27	29
	224	5.8	27	23
56	225	7.7	27	31
	226	5.9	29	31

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	227	41.3	27	29
	228	5.8	24	26
57	229	7.8	33	20
	230	5.8	24	31
	231	41.2	10	26
	232	5.8	30	26
58	233	7.8	23	12
	234	5.8	27	31
	235	41.0	20	29
	236	5.8	29	29
59	237	7.8	20	16
	238	5.8	24	37
	239	41.1	23	23
	240	5.8	23	29
60	241	7.8	18	20
	242	5.8	23	29
	243	40.9	27	29
	244	5.8	23	26
61	245	7.7	18	12
	246	5.8	24	34
	247	40.9	20	29
	248	5.8	27	31
62	249	7.7	24	16
	250	5.8	23	34
	251	40.7	12	26
	252	5.7	23	31
63	253	7.7	24	12
	254	5.7	23	34
	255	40.7	24	23
	256	5.9	27	31
64	257	7.7	24	26
	258	5.7	4	26
	259	40.7	24	26
	260	5.7	23	31
65	261	7.7	18	20
	262	5.7	27	29
	263	40.5	12	26
	264	5.7	18	16
66	265	7.6	24	20
	266	5.7	27	34
	267	40.4	24	29
	268	5.9	24	34
67	269	7.7	16	20
	270	5.7	27	34
	271	40.4	29	29
	272	5.8	30	37
68	273	7.9	20	16
	274	5.8	27	34
	275	41.4	27	23
	276	5.8	18	37

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69	277	7.9	20	12
	278	5.9	18	34
	279	41.4	24	20
	280	5.8	20	31
70	281	7.8	20	20
	282	5.8	18	23
	283	41.3	18	26
	284	5.9	18	23
71	285	7.8	23	12
	286	5.8	27	34
	287	41.2	27	26
	288	5.8	23	29
72	289	7.8	18	16
	290	5.8	27	31
	291	41.2	18	23
	292	5.8	18	29
73	293	7.8	23	16
	294	5.8	29	29
	295	41.0	23	29
	296	5.8	27	37
74	297	7.8	24	12
	298	5.8	29	31
	299	40.9	27	26
	300	5.8	29	31
75	301	7.7	18	16
	302	5.8	30	34
	303	40.9	24	23
	304	5.8	27	31
76	305	7.8	27	12
	306	5.8	24	31
	307	40.8	24	26
	308	5.8	16	16
77	309	7.8	12	12
	310	5.8	18	34
	311	40.6	20	26
	312	5.7	29	26
78	313	7.7	24	23
	314	5.7	24	26
	315	40.1	18	20
	316	5.8	20	29
79	317	7.4	8	8
	318	5.7	23	34
	319	40.2	20	16
	320	5.9	29	34
80	321	7.4	20	23
	322	5.7	24	29
	323	40.5	18	29
	324	5.8	20	31
81	325	7.6	24	16
	326	5.8	23	31
	327	41.4	24	31

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	328	5.8	20	29
82	329	7.6	18	12
	330	5.9	24	8
	331	41.4	12	29
	332	5.8	30	31
83	333	7.6	18	12
	334	5.8	8	31
	335	41.3	20	23
	336	5.8	16	23
84	337	7.7	23	16
	338	5.8	29	31
	339	41.2	29	20
	340	5.8	23	23
85	341	7.5	20	16
	342	5.8	24	29
	343	41.1	16	29
	344	5.8	24	34
86	345	7.6	23	12
	346	5.7	27	29
	347	41.1	18	29
	348	5.8	29	26
87	349	7.6	24	16
	350	5.8	23	34
	351	41.1	27	26
	352	5.8	27	29
88	353	7.5	18	0
	354	5.7	27	31
	355	41.1	20	29
	356	5.7	23	26
89	357	7.5	20	23
	358	5.8	29	31
	359	40.9	10	8
	360	5.7	29	31
90	361	7.5	20	20
	362	5.7	27	31
	363	40.9	16	31
	364	5.8	23	40
91	365	7.4	27	26
	366	5.7	24	23
	367	40.7	23	23
	368	5.7	4	26
92	369	7.5	18	20
	370	5.7	29	37
	371	40.7	18	29
	372	5.7	16	8
93	373	7.5	23	12
	374	5.7	29	31
	375	40.3	24	26
	376	5.7	23	31
94	377	7.5	12	12



UFYNHAY405TTOWERCITY01022014.HBD

	378	5.7	18	31
	379	40.5	12	23
	380	5.8	27	34
95	381	7.4	20	12
	382	5.7	20	31
	383	41.5	24	23
	384	5.8	20	23
96	385	7.6	18	16
	386	5.7	29	37
	387	41.5	24	31
	388	5.8	24	31
97	389	7.6	18	12
	390	5.8	24	31
	391	41.4	24	26
	392	5.8	24	29
98	393	7.5	24	26
	394	5.8	27	31
	395	40.2	30	29
	396	5.8	18	29
99	397	7.6	16	20
	398	5.8	29	34
	399	41.2	24	29
	400	5.8	29	37
100	401	7.6	18	23
	402	5.8	20	8
	403	41.1	8	23
	404	5.8	27	23
101	405	7.4	16	26
	406	5.7	24	29
	407	41.1	24	23
	408	5.8	29	29
102	409	7.4	30	16
	410	5.8	24	40
	411	41.0	24	34
	412	5.8	24	31
103	413	7.5	16	20
	414	5.7	23	29
	415	40.4	23	29
	416	5.7	27	37
104	417	7.4	34	16
	418	5.7	24	37
	419	40.7	12	29
	420	5.7	23	34
105	421	7.4	20	23
	422	5.7	16	26
	423	40.7	20	20
	424	5.7	8	12
106	425	7.4	10	12
	426	5.7	29	29
	427	40.6	33	23
	428	5.9	30	31

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107	429	7.5	23	20
	430	5.8	24	31
	431	41.1	23	29
	432	5.8	29	8
108	433	7.6	30	31
	434	5.8	8	23
	435	35.4	29	26
	436	5.8	30	40
109	437	10.8	4	4
	438	6.6	2	4
	439	6.5	4	8
	440	33.7	0	0
	441	6.6	0	0
	442	6.6	0	4

TowerCity ND HBD, Single Track MP:49.0  
 Display >