

2014-05-20 to 2014-05-19

TSAVE
TRACK INSPECTION PROGRAM

TRACK GEOMETRY INSPECTION REPORT

Zoo to Holmes
RR: AMTRAK (AMTK)
Survey Number: 114014
Milepost 86 to Milepost 82
Direction: EAST, Ascending Milepost



AMTRAK
Inspections and Tests
Philadelphia, PA

Exception Report
Exception List Section
Milepost 86 to Milepost 82

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Run ID: 2014051903

Zoo to Holmes

SUBDIV	MP	FT	Parameter	Value	Length	TSC	LC	PC	Track	Peak Lat/Long	Comment
	0	47	Class Change	2.00		T		2	1	0.000000 0.000000	
	0	47	Posted Speed	30.00		T		2	1	0.000000 0.000000	
	0	47	Track Change	0.00		T		2	7	0.000000 0.000000	
	0	49	Linecode	AH		T		2	7	0.000000 0.000000	
	0	50	Railroad	TK - AMTR		T		2	7	0.000000 0.000000	
	86	451	Up Milepost	86.00		T		2	7	39.972491 -75.210102	
	86	531	Class Change	1.00		C		1	7	39.972406 -75.209779	
	86	534	Posted Speed	10.00		C		1	7	39.972403 -75.209769	
	86	841	Bridge Start	0.00		T		1	7	39.972133 -75.208717	
	86	908	Bridge End	0.00		T		1	7	39.972079 -75.208491	
	86	1080	Warp 10	1.28	10	T	1	1	7	39.971947 -75.207909	
	86	1209	Gage Narrow	56.00	21	T	1	1	7	39.971803 -75.207476	
	86	1625	Bridge Start	0.00		T		1	7	39.971428 -75.206083	
	86	1696	Bridge End	0.00		B		1	7	39.971365 -75.205849	
	86	2146	Warp 10	1.27	10	E	1	1	7	39.970914 -75.204352	
	86	2208	Ped Xing	0.00		E		1	7	39.970844 -75.204151	
	86	2295	Bridge Start	0.00		E		1	7	39.970747 -75.203864	
	86	2322	Bridge End	0.00		B		1	7	39.970718 -75.203778	
	86	2336	Warp 10	1.89	10	B	0	1	7	39.970703 -75.203733	E end of 42nd st brdg
	86	2387	Bridge Start	0.00		B		1	7	39.970648 -75.203571	
	86	2410	Bridge End	0.00		B		1	7	39.970624 -75.203497	
	86	2449	Tunnel Start	0.00		B		1	7	39.970582 -75.203373	
	86	3173	L Cant Neg	-1.80	6	C	1	1	7	39.970446 -75.200920	
	86	3193	Tunnel End	0.00		C		1	7	39.970463 -75.200858	
	86	3207	L Cant Neg	-2.10	55	C	1	1	7	39.970477 -75.200809	
	86	3312	L Cant Neg	-1.90	16	C	1	1	7	39.970593 -75.200476	
	86	3429	L Cant Neg	-2.00	25	C	1	1	7	39.970755 -75.200128	
	86	3461	L Cant Neg	-2.30	12	C	1	1	7	39.970806 -75.200038	
	86	3501	L Cant Neg	-2.20	18	C	1	1	7	39.970854 -75.199888	
	86	3859	Signal	0.00		E		1	7	39.971503 -75.198987	5E Girard

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	86	3961	Ped Xing	0.00		E		1	7	39.971751 -75.198811	
	86	4056	Frog	0.00		E		1	7	39.971990 -75.198670	33 Girard
	88	4117	Down Milepost	88.00		E		2	7	39.972148 -75.198582	
	88	1	Class Change	2.00		E		2	7	39.972148 -75.198582	
	88	1	Posted Speed	30.00		E		2	7	39.972148 -75.198582	
	88	226	Warp 62	2.05	53	B	2	2	7	39.972715 -75.198262	
	88	275	Gage Narrow	56.07	5	C	2	2	7	39.972837 -75.198188	
	88	297	Gage Narrow	56.06	2	E	2	2	7	39.972890 -75.198152	
XOV	88	311	Subdivision	XOV		E		2	7	39.972924 -75.198129	
XOV	88	349	Frog	0.00		E		2	7	39.973005 -75.198068	W32
XOV	88	348	Gage Narrow	55.98	6	E	2	2	7	39.973003 -75.198070	
XOV	88	390	Frog	0.00		E		2	7	39.973099 -75.197988	W32
XOV	88	422	Unbal Elev	4.00		C		3	2	39.973173 -75.197926	
XOV	88	422	Track Change	0.00		C		3	2	39.973173 -75.197926	
XOV	88	422	Posted Speed	60.00		C		3	7	39.973173 -75.197926	
XOV	88	422	Class Change	3.00		C		3	7	39.973173 -75.197926	
	88	534	L Cant Neg	-1.80	16	C	3	3	2	39.973441 -75.197696	
	88	564	Subdivision			C		3	2	39.973506 -75.197634	
	88	562	L Cant Neg	-2.30	28	C	3	3	2	39.973504 -75.197636	
	88	648	Signal	0.00		E		3	2	39.973692 -75.197443	2AE Girard
	88	684	L Cant Neg	-1.80	8	E	3	3	2	39.973767 -75.197358	
	88	698	L Cant Neg	-1.70	11	E	3	3	2	39.973795 -75.197325	
	88	828	Warp 62	1.92	62	C	3	3	2	39.974057 -75.197017	
	88	925	Warp 10	1.38	8	B	0	3	2	39.974255 -75.196783	208 south of 21 Girard Frog *
	88	1048	Gage Narrow	55.98	7	E	3	3	2	39.974494 -75.196481	
	88	1069	Gage Change	0.97	21	E	3	3	2	39.974534 -75.196427	
	88	1133	Frog	0.00		E		3	2	39.974643 -75.196267	21 Girard
	88	1198	Frog	0.00		E		3	2	39.974759 -75.196094	21 Girard
XOV	88	1218	Subdivision	XOV		E		3	2	39.974796 -75.196039	
XOV	88	1275	Posted Speed	50.00		B		3	2	39.974898 -75.195884	

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SUBDIV	MP	FT	Parameter	Value	Length	TSC	LC	PC	Track	Peak Lat/Long	Comment
XOV	88	1275	Track Change	0.00		B		3	1	39.974898 -75.195884	
XOV	88	1532	Subdivision	XOV		C		3	1	39.975360 -75.195189	
XOV	88	1652	Frog	0.00		B		3	1	39.975589 -75.194876	12 Girard
XOV	88	1727	Frog	0.00		B		3	1	39.975731 -75.194682	12 Girard
XOV	88	1838	Gage Narrow	55.98	10	C	3	3	1	39.975938 -75.194391	
XOV	88	1879	Posted Speed	60.00		E		3	1	39.976013 -75.194281	
XOV	88	1879	Track Change	0.00		E		3	2	39.976013 -75.194281	
	88	1890	Subdivision			E		3	2	39.976033 -75.194251	
	88	2433	Signal	0.00		T		3	2	39.977011 -75.192779	2BE
	88	2706	Frog	0.00		B		3	2	39.977498 -75.192052	32 Mantua
	88	2920	Frog	0.00		B		3	2	39.977889 -75.191496	23 Mantua
XOV	88	2951	Subdivision	XOV		B		3	2	39.977948 -75.191420	
XOV	88	2972	Frog	0.00		B		3	2	39.977982 -75.191375	23 Mantua
XOV	88	3034	Track Change	0.00		E		3	3	39.978095 -75.191214	
XOV	88	3058	Gage Narrow	56.13	2	E	3	3	3	39.978136 -75.191148	
XOV	88	3071	Subdivision	XOV		E		3	3	39.978158 -75.191112	
XOV	88	3083	Gage Change	0.99	25	E	3	3	3	39.978179 -75.191078	
XOV	88	3115	Warp 62	1.79	62	E	3	3	3	39.978235 -75.190989	
XOV	88	3115	Rev Elevation	-1.68	8	E	3	3	3	39.978235 -75.190989	
XOV	88	3140	Frog	0.00		E		3	3	39.978275 -75.190918	E32 Mantua
XOV	88	3141	Warp 10	1.35	10	E	3	3	3	39.978277 -75.190915	
XOV	88	3143	Gage Change	-0.91	26	E	3	3	3	39.978281 -75.190909	
XOV	88	3158	Warp 62	2.77	43	E	1	3	3	39.978304 -75.190866	@E21 Mantua sw on 3tk *
XOV	88	3143	Gage Narrow	55.96	36	E	3	3	3	39.978281 -75.190909	
XOV	88	3176	Frog	0.00		E		3	3	39.978332 -75.190813	E32 Mantua
XOV	88	3174	Gage Narrow	56.06	5	E	3	3	3	39.978328 -75.190818	
	88	3250	Subdivision			T		3	3	39.978454 -75.190603	
	88	3259	Track Change	0.00		B		3	2	39.978469 -75.190578	
XOV	88	3298	Subdivision	XOV		B		3	2	39.978537 -75.190468	
XOV	88	3432	Frog	0.00		B		3	2	39.978757 -75.190083	E21 Mantua

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XOV	88	3438	Unbal Elev	3.00		B		3	8	39.978766 -75.190066	
XOV	88	3438	Track Change	0.00		B		3	8	39.978766 -75.190066	
XOV	88	3438	Posted Speed	45.00		B		3	2	39.978766 -75.190066	
XOV	88	3498	Gage Narrow	56.14	1	B	3	3	8	39.978863 -75.189893	
XOV	88	3510	Frog	0.00		B		3	8	39.978882 -75.189858	E21 Mantua
XOV	88	3619	Gage Narrow	56.00	13	E	3	3	8 ##	39.979067 -75.189548	
XOV	88	3648	Posted Speed	50.00		E		3	8	39.979118 -75.189467	
XOV	88	3648	Track Change	0.00		E		3	1	39.979118 -75.189467	
XOV	88	3648	Unbal Elev	4.00		E		3	1	39.979118 -75.189467	
	88	3661	Subdivision			E		3	1	39.979140 -75.189431	
	88	3745	Bridge Start	0.00		E		3	1	39.979286 -75.189202	
	88	3836	Bridge End	0.00		E		3	1	39.979441 -75.188958	
	88	3979	Signal	0.00		T		3	1	39.979687 -75.188576	1W Mantua
	87	1	Unbal Elev	5.00		T		4	3	39.970416 -75.197931	
	87	1	Track Change	0.00		T		4	3	39.970416 -75.197931	
	87	1	Posted Speed	80.00		T		4	1	39.970416 -75.197931	
	87	1	Class Change	4.00		T		4	1	39.970416 -75.197931	
	87	4552	Down Milepost	87.00		T		4	1	39.970416 -75.197931	
	87	453	Down Milepost	87.00		B		4	3	39.970416 -75.197932	
SEPTA 3	87	73	Subdivision	SEPTA 3		B		4	3	39.970519 -75.197996	
SEPTA 3	87	108	Signal	0.00		C		4	3	39.970609 -75.198047	7E Girard
SEPTA 3	87	266	Track Change	0.00		E		4	2	39.971032 -75.198212	
	87	277	Subdivision			C		4	2	39.971063 -75.198221	
	87	1001	Warp 10	1.43	10	C	0	4	2	39.972998 -75.198043	39 S of W32 on 2tk *
	87	1032	Gage Change	-0.78	10	E	4	4	2	39.973075 -75.197995	
	87	1040	Frog	0.00		E		4	2	39.973094 -75.197981	W32
	87	1672	L Cant Neg	-2.30	49	E	4	4	2	39.973510 -75.197631	
	87	1266	Gage Change	-0.69	21	E	4	4	2	39.973610 -75.197531	
	87	1277	Warp 62	1.62	62	E	4	4	2	39.973633 -75.197507	
	87	1311	Signal	0.00		E		4	2	39.973705 -75.197430	2AE

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	87	1320	Gage Change	0.70	17	E	4	4	2	39.973724 -75.197409	
	87	1791	L Cant Neg	-1.70	7	E	4	4	2	39.973762 -75.197366	
	87	1802	L Cant Neg	-1.70	15	E	4	4	2	39.973785 -75.197341	
	87	1779	Frog	0.00		B		4	2	39.974639 -75.196302	21 Girard
	87	1791	Gage Change	0.83	17	C	4	4	2	39.974662 -75.196272	
	87	1820	Gage Change	-0.63	29	C	4	4	2	39.974719 -75.196198	
	87	1918	Bridge Start	0.00		E		4	2	39.974902 -75.195944	
	87	2116	Bridge End	0.00		T		4	2	39.975259 -75.195410	
	87	2140	Crosslevel	1.32	5	T	4	4	2	39.975301 -75.195345	
	87	2253	Gage Narrow	56.09	7	T	4	4	2	39.975504 -75.195041	
	87	2372	Gage Narrow	56.10	4	T	4	4	2	39.975714 -75.194722	
	87	2379	Frog	0.00		T		4	2	39.975727 -75.194704	12 Girard
	87	2492	Gage Change	-0.75	16	T	4	4	2	39.975931 -75.194399	
	87	3622	Signal	0.00		T		4	2	39.977009 -75.192791	2 BE
	87	3720	Warp 62	1.43	29	T	4	4	2	39.977179 -75.192528	
	87	3784	Warp 62	1.46	62	T	4	4	2	39.977296 -75.192349	
	87	3798	Crosslevel	-1.13	5	T	4	4	2	39.977321 -75.192311	
	87	3879	Gage Change	-0.66	22	T	4	4	2	39.977468 -75.192090	
	87	3882	Frog	0.00		T		4	2	39.977473 -75.192082	32 Mantua
	87	4059	Warp 62	1.45	49	T	4	4	2	39.977793 -75.191607	
	87	4059	Crosslevel	-1.18	1	T	4	4	2	39.977793 -75.191607	
	87	4117	Frog	0.00		T		4	2	39.977897 -75.191450	23 Mantua
	87	4362	Frog	0.00		C		4	2	39.978333 -75.190791	E32 Mantua
	87	4365	Gage Change	-0.65	25	C	4	4	2	39.978338 -75.190783	
	87	4421	Gage Narrow	56.00	1	C	4	4	2 ##	39.978438 -75.190630	
	87	4449	Gage Change	0.98	28	E	4	4	2	39.978486 -75.190553	
	87	4587	Warp 62	1.42	49	B	4	4	2	39.978725 -75.190171	
	87	4623	Frog	0.00		B		4	2	39.978786 -75.190071	E21 Mantua
	87	4689	Warp 62	1.61	62	C	4	4	2	39.978899 -75.189887	
	87	4942	Bridge Start	0.00		C		4	2	39.979351 -75.189192	

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	87	4998	Warp 62	1.40	62	C	4	4	2	39.979447 -75.189043	
	87	5030	Warp 62	1.48	61	C	4	4	2	39.979503 -75.188958	
	87	5037	Bridge End	0.00		E		4	2	39.979515 -75.188940	
	87	5418	Drag Equip Detect	0.00		T		4	2	39.980199 -75.187908	
	87	5814	Bridge Start	0.00		T		4	2	39.980918 -75.186830	
	87	5889	Bridge End	0.00		T		4	2	39.981050 -75.186633	
	87	6182	Down Milepost	87.00		T		4	2	39.981564 -75.185858	
	87	127	Down Milepost	87.00		T		4	2	39.981813 -75.185488	
	87	91	Signal	0.00		T		4	2	39.981972 -75.185253	2W Mantua
	87	175	Bridge Start	0.00		T		4	2	39.982120 -75.185033	
	87	256	Bridge End	0.00		T		4	2	39.982262 -75.184820	
	87	907	Bridge Start	0.00		T		4	2	39.983428 -75.183079	
	87	986	Bridge End	0.00		T		4	2	39.983569 -75.182874	
	87	1521	Bridge Start	0.00		T		4	2	39.984522 -75.181484	
	87	1620	Bridge End	0.00		T		4	2	39.984698 -75.181227	
	87	2200	Bridge Start	0.00		T		4	2	39.985729 -75.179718	
	87	2263	Bridge End	0.00		T		4	2	39.985841 -75.179554	
	87	3133	Bridge Start	0.00		T		4	2	39.987254 -75.177152	
	87	3228	Bridge End	0.00		T		4	2	39.987395 -75.176877	
	87	4093	Bridge Start	0.00		T		4	2	39.988754 -75.174055	
	87	4146	Bridge End	0.00		T		4	2	39.988833 -75.173886	
	86	4270	Down Milepost	86.00		T		4	2	39.989022 -75.173519	
	86	1405	Bridge Start	0.00		T		4	2	39.991123 -75.169332	
	86	1458	Bridge End	0.00		T		4	2	39.991202 -75.169175	
	86	1674	Bridge Start	0.00		T		4	2	39.991522 -75.168535	
	86	1738	Bridge End	0.00		T		4	2	39.991617 -75.168346	
	86	2545	State Line	AN		T		4	2	39.992825 -75.165955	
	86	2546	Linecode	AN		T		4	2	39.992827 -75.165952	
	86	3201	Signal	0.00		B		3	2	39.993797 -75.164021	859
	86	3201	Class Change	3.00		B		3	2	39.993797 -75.164021	

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	86	3201	Posted Speed	60.00		B		3	2	39.993797 -75.164021	
	86	3201	Unbal Elev	4.00		B		3	2	39.993797 -75.164021	
	86	3278	Bridge Start	0.00		B		3	2	39.993908 -75.163793	
	86	3343	Bridge End	0.00		C		3	2	39.993997 -75.163600	
	86	3955	Bridge Start	0.00		T		3	2	39.994744 -75.161681	
	86	4105	Bridge End	0.00		T		3	2	39.994934 -75.161184	
	86	4285	Frog	0.00		T		3	2	39.995143 -75.160621	12 Lehigh
	86	4550	Frog	0.00		T		3	2	39.995451 -75.159789	23 Lehigh
	86	5458	Signal	0.00		E		3	2	39.996557 -75.156862	2W Lehigh
	86	5492	Concrete Ties Start	0.00		E		3	2	39.996599 -75.156754	
	85	5877	Down Milepost	85.00		C		3	2	39.997109 -75.155543	
	85	406	Concrete Ties End	0.00		C		3	2	39.997584 -75.154239	
	85	488	Bridge Start	0.00		C		3	2	39.997673 -75.153973	
	85	635	Bridge End	0.00		E		3	2	39.997831 -75.153495	
	85	756	Signal	0.00		B		3	2	39.997961 -75.153101	2E Clearfield
	85	1475	Gage Narrow	56.12	1	T	3	3	2	39.998798 -75.150795	
	85	1488	Frog	0.00		T		3	2	39.998813 -75.150754	12 Clearfield
	85	1648	Bridge Start	0.00		T		3	2	39.999004 -75.150241	
	85	1741	Bridge End	0.00		T		3	2	39.999117 -75.149942	
	85	2892	Signal	0.00		T		3	2	40.000487 -75.146254	2W Clearfield
	85	2901	Class Change	4.00		T		4	2	40.000498 -75.146225	
	85	2901	Posted Speed	80.00		T		4	2	40.000498 -75.146225	
	85	2901	Unbal Elev	5.00		T		4	2	40.000498 -75.146225	
	85	3144	Drag Equip Detect	0.00		T		4	2	40.000791 -75.145440	
	85	3602	Bridge Start	0.00		T		4	2	40.001346 -75.143954	
	85	3711	Bridge End	0.00		T		4	2	40.001475 -75.143604	
	85	4064	Bridge Start	0.00		T		4	2	40.001899 -75.142466	
	85	4135	Bridge End	0.00		T		4	2	40.001985 -75.142237	
	85	4819	Bridge Start	0.00		T		4	2	40.002798 -75.140045	
	85	4890	Bridge End	0.00		T		4	2	40.002881 -75.139820	

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SUBDIV	MP	FT	Parameter	Value	Length	TSC	LC	PC	Track	Peak Lat/Long	Comment
	84	5177	Down Milepost	84.00		T		4	2	40.003227 -75.138897	
	84	1	Posted Speed	65.00		T		4	2	40.003227 -75.138897	
	84	1	Unbal Elev	4.00		T		4	2	40.003227 -75.138897	
	84	371	Bridge Start	0.00		T		4	2	40.003665 -75.137713	
	84	438	Bridge End	0.00		T		4	2	40.003742 -75.137502	
	84	1009	Bridge Start	0.00		B		4	2	40.004395 -75.135708	
	84	1063	Bridge End	0.00		B		4	2	40.004484 -75.135500	
	84	2083	Bridge Start	0.00		E		4	2	40.005168 -75.132000	
	84	2145	Bridge End	0.00		E		4	2	40.005173 -75.131785	
	84	2451	Posted Speed	80.00		C		4	2	40.005173 -75.130721	
	84	2451	Unbal Elev	5.00		C		4	2	40.005173 -75.130721	
	84	3202	Signal	0.00		C		4	2	40.005111 -75.128019	835
	84	4329	Bridge Start	0.00		C		4	2	40.004821 -75.124021	
	84	4389	Bridge End	0.00		C		4	2	40.004800 -75.123811	
	83	5277	Down Milepost	83.00		T		4	2	40.004418 -75.120686	
	83	1890	Bridge Start	0.00		T		4	2	40.003560 -75.114064	
	83	1957	Bridge End	0.00		T		4	2	40.003530 -75.113835	
	83	3061	Bridge Start	0.00		T		4	2	40.003030 -75.109962	
	83	3122	Bridge End	0.00		T		4	2	40.003003 -75.109751	
	83	3410	Drag Equip Detect	0.00		T		4	2	40.002874 -75.108754	
	83	3670	Signal	0.00		T		4	2	40.002756 -75.107851	2E Shore
	83	4173	Bridge Start	0.00		T		4	2	40.002528 -75.106098	
	83	4234	Bridge End	0.00		T		4	2	40.002500 -75.105884	
	83	4837	Frog	0.00		T		4	2	40.002224 -75.103771	32 Shore
	83	4932	Gage Narrow	56.13	3	T	4	4	2	40.002180 -75.103439	
	83	4985	Bridge Start	0.00		T		4	2	40.002158 -75.103256	
	83	5051	Bridge End	0.00		T		4	2	40.002129 -75.103031	
	83	5245	Frog	0.00		T		4	2	40.002039 -75.102355	21 Shore
	82	5342	Down Milepost	82.00		T		4	2	40.001993 -75.101996	
	82	419	Signal	0.00		T		4	2	40.001804 -75.100523	2W Shore

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Zoo to Holmes

SUBDIV	MP	FT	Parameter	Value	Length	TSC	LC	PC	Track	Peak Lat/Long	Comment
	82	1201	Class Change	3.00		T		3	2	40.001449 -75.097761	
	82	1201	Posted Speed	60.00		T		3	2	40.001449 -75.097761	
	82	1201	Unbal Elev	7.00		T		3	2	40.001449 -75.097761	
	82	1210	Lubricator	0.00		T		3	2	40.001445 -75.097730	
	82	1391	Bridge Start	0.00		B		3	2	40.001363 -75.097094	
	82	1440	Bridge End	0.00		B		3	2	40.001342 -75.096922	
	82	2645	Ped Xing	0.00		C		3	2	40.001973 -75.092790	Pipe Overhead
	82	3351	Class Change	4.00		T		4	2	40.003369 -75.091010	
	82	3351	Posted Speed	80.00		T		4	2	40.003369 -75.091010	
	82	4846	Bridge Start	0.00		C		4	2	40.006179 -75.087168	
	82	4912	Bridge End	0.00		C		4	2	40.006273 -75.086967	
	81	5258	Down Milepost	81.00		C		4	2	40.006709 -75.085871	
	81	102	Signal	0.00		C		4	2	40.006818 -75.085543	809/810
	81	318	Drag Equip Detect	0.00		E		4	2	40.007030 -75.084836	
	81	676	Unbal Elev	5.00		E		6	2	40.007336 -75.083616	
	81	676	Posted Speed	110.00		E		6	2	40.007336 -75.083616	
	81	676	Class Change	6.00		E		6	2	40.007336 -75.083616	
	81	797	Bridge Start	0.00		T		6	2	40.007437 -75.083203	
	81	864	Bridge End	0.00		T		6	2	40.007493 -75.082975	
	81	2172	Bridge Start	0.00		T		6	2	40.008571 -75.078537	
	81	2238	Bridge End	0.00		T		6	2	40.008624 -75.078316	
	81	2743	Bridge Start	0.00		T		6	2	40.009041 -75.076602	
	81	2808	Bridge End	0.00		T		6	2	40.009094 -75.076383	
	81	3962	Bridge Start	0.00		T		6	2	40.010059 -75.072471	
	81	4029	Bridge End	0.00		T		6	2	40.010116 -75.072243	
	81	4730	Ped Xing	0.00		T		6	2	40.010697 -75.069869	Bridgesburg Sta
	81	4768	Ped Xing	0.00		T		6	2	40.010728 -75.069739	Bridgesburg Sta
	80	5293	Down Milepost	80.00		T		6	2	40.011159 -75.067951	
	80	2555	Bridge Start	0.00		C		6	2	40.013380 -75.059338	
	80	2599	Bridge End	0.00		C		6	2	40.013427 -75.059194	

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SUBDIV	MP	FT	Parameter	Value	Length	TSC	LC	PC	Track	Peak Lat/Long	Comment
	80	3402	Signal	0.00		C		6	2	40.014359 -75.056613	793/794
	79	5408	Down Milepost	79.00		T		6	2	40.017264 -75.050551	
	79	502	Bridge Start	0.00		T		6	2	40.018012 -75.049055	
	79	640	Bridge End	0.00		T		6	2	40.018218 -75.048643	
	79	2326	Bridge Start	0.00		T		6	2	40.020731 -75.043612	
	79	2392	Bridge End	0.00		T		6	2	40.020829 -75.043416	
	79	3354	Bridge Start	0.00		C		6	2	40.022308 -75.040590	
	79	3409	Bridge End	0.00		C		6	2	40.022397 -75.040433	
	79	3719	Bridge Start	0.00		C		6	2	40.022904 -75.039550	
	79	3770	Bridge End	0.00		C		6	2	40.022989 -75.039406	
	79	3900	Ped Xing	0.00		C		6	2	40.023208 -75.039040	Tacony Sta
	79	3947	Ped Xing	0.00		C		6	2	40.023287 -75.038908	Tacony Sta
	79	4896	Bridge Start	0.00		T		6	2	40.024909 -75.036273	
	79	4981	Bridge End	0.00		T		6	2	40.025054 -75.036038	
	78	5195	Down Milepost	78.00		T		6	2	40.025421 -75.035448	
	78	941	Bridge Start	0.00		T		6	2	40.027032 -75.032844	
	78	1002	Bridge End	0.00		T		6	2	40.027137 -75.032676	
	78	1537	Drag Equip Detect	0.00		T		6	2	40.028046 -75.031207	
	78	1800	Signal	0.00		T		6	2	40.028495 -75.030486	2E Holmes
	78	2305	Frog	0.00		T		6	2	40.029357 -75.029097	12 Holmes
	78	2695	Frog	0.00		T		6	2	40.030032 -75.028014	23 Holmes
	78	3224	Frog	0.00		T		6	2	40.030941 -75.026542	32 Holmes
	78	3832	Frog	0.00		T		6	2	40.031986 -75.024863	21 Holmes
	78	4101	Class Change	7.00		T		7	2	40.032449 -75.024118	
	78	4101	Posted Speed	125.00		T		7	2	40.032449 -75.024118	
	78	4137	Signal	0.00		T		7	2	40.032510 -75.024020	2W Holmes
	78	4206	Ped Xing	0.00		T		7	2	40.032627 -75.023831	Holmesburg
	78	4243	Ped Xing	0.00		T		7	2	40.032689 -75.023731	Holmesburg
	78	4294	Ped Xing	0.00		T		7	2	40.032779 -75.023586	Holmesburg
	78	4323	Ped Xing	0.00		T		7	2	40.032829 -75.023507	Holmesburg

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SUBDIV	MP	FT	Parameter	Value	Length	TSC	LC	PC	Track	Peak Lat/Long	Comment
	78	4347	Bridge Start	0.00		T		7	2	40.032870 -75.023441	
	78	4398	Bridge End	0.00		T		7	2	40.032959 -75.023301	
	78	4882	Bridge Start	0.00		T		7	2	40.033792 -75.021942	
	78	5076	Bridge End	0.00		B		7	2	40.034118 -75.021404	
	77	5317	Down Milepost	77.00		B		7	2	40.034525 -75.020731	
	77	2603	Bridge Start	0.00		T		7	2	40.038030 -75.012646	
	77	2672	Bridge End	0.00		T		7	2	40.038113 -75.012432	
	76	5240	Down Milepost	76.00		T		7	2	40.041891 -75.005062	
	77	9	Down Milepost	77.00		T		1	1	0.000000 0.000000	
	77	1	State Line	AN		T		1	1	0.000000 0.000000	
	77	2	Linecode	AN		T		1	1	0.000000 0.000000	
	77	3	Railroad	TK - AMTR		T		1	1	0.000000 0.000000	
	77	301	Class Change	6.00		T		6	1	40.029631 -75.028657	
	77	301	Posted Speed	100.00		T		6	1	40.029631 -75.028657	
	77	301	Unbal Elev	5.00		T		6	1	40.029631 -75.028657	
	77	536	Unbal Elev	3.00		B		6	8	40.029592 -75.028718	
	77	536	Track Change	0.00		B		6	8	40.029592 -75.028718	
XOV	77	539	Subdivision	XOV		B		6	8	40.029587 -75.028727	
XOV	77	705	Frog	0.00		E		6	8	40.029275 -75.029197	12 Holmes
XOV	77	771	Frog	0.00		B		6	8	40.029152 -75.029378	12 Holmes
	77	907	Subdivision			C		6	8	40.028909 -75.029746	
	77	928	Track Change	0.00		E		6	1	40.028873 -75.029803	
	77	928	Unbal Elev	5.00		E		6	1	40.028873 -75.029803	
	77	933	Gage Wide	57.13	5	E	6	6	1	40.028865 -75.029817	
	77	1069	Frog	0.00		E		6	1	40.028632 -75.030194	91 Holmes
	77	1073	Warp 10	0.95	10	E	6	6	1	40.028625 -75.030205	
	77	1125	Warp 62	1.45	62	T	6	6	1	40.028535 -75.030352	
	77	1129	Gage Narrow	56.11	3	T	6	6	1	40.028528 -75.030363	
	77	1147	Warp 62	-1.19	22	T	6	6	1	40.028496 -75.030414	
	77	1176	Posted Speed	90.00		T		5	1	40.028446 -75.030495	

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SUBDIV	MP	FT	Parameter	Value	Length	TSC	LC	PC	Track	Peak Lat/Long	Comment
	77	1176	Class Change	5.00		T		5	1	40.028446 -75.030495	
	77	1178	Signal	0.00		T		5	1	40.028442 -75.030500	1E Holmes
	0	47	Unbal Elev	4.00		T		5	1	0.000000 0.000000	
	0	47	State Line	AN		T		5	1	0.000000 0.000000	
	0	47	Track Change	0.00		T		5	1	0.000000 0.000000	
	0	47	Posted Speed	90.00		T		5	1	0.000000 0.000000	
	0	47	Class Change	5.00		T		5	1	0.000000 0.000000	
	0	48	Linecode	AN		T		5	1	0.000000 0.000000	
	0	49	Railroad	TK - AMTR		T		5	1	0.000000 0.000000	
	0	622	Signal	0.00		T		5	1	40.028451 -75.030490	1E Holmes
	0	762	Gage Change	-0.68	14	T	5	5	1	40.028688 -75.030097	
	0	765	Frog	0.00		T		5	1	40.028694 -75.030089	91 Holmes
	0	778	Warp 62	1.41	62	T	5	5	1	40.028716 -75.030054	
	0	940	Gage Change	-0.80	27	T	5	5	1	40.028995 -75.029607	
	0	1059	Frog	0.00		T		5	1	40.029199 -75.029276	12 Holmes
	78	1532	Down Milepost	78.00		T		5	1	40.030026 -75.027945	
	78	1198	Frog	0.00		T		5	1	40.032081 -75.024628	21 Holmes
	78	1307	Gage Narrow	56.00	10	T	5	5	1##	40.032268 -75.024325	
	78	1336	Gage Change	1.00	29	T	5	5	1	40.032318 -75.024245	
	78	1384	Concrete Ties Start	0.00		T		5	1	40.032400 -75.024113	Holmesburg Sta
	78	1507	Ped Xing	0.00		T		5	1	40.032611 -75.023773	Holmesburg Sta
	78	1539	Ped Xing	0.00		T		5	1	40.032665 -75.023682	Holmesburg Sta
	78	1587	Ped Xing	0.00		T		5	1	40.032748 -75.023546	Holmesburg Sta
	78	1622	Ped Xing	0.00		T		5	1	40.032808 -75.023451	Holmesburg Sta
	78	1640	Concrete Ties End	0.00		T		5	1	40.032837 -75.023402	Holmesburg Sta
	78	2192	Bridge Start	0.00		T		5	1	40.033788 -75.021847	
	78	2379	Bridge End	0.00		T		5	1	40.034105 -75.021320	
	77	2609	Down Milepost	77.00		B		5	1	40.034499 -75.020662	
	77	2604	Bridge Start	0.00		T		5	1	40.038000 -75.012612	
	77	2673	Bridge End	0.00		T		5	1	40.038083 -75.012398	

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Zoo to Holmes

SUBDIV	MP	FT	Parameter	Value	Length	TSC	LC	PC	Track	Peak Lat/Long	Comment
	76	5244	Down Milepost	76.00		T		5	1	40.041810 -75.005125	
	77	59	Down Milepost	77.00		T		1	1	40.033355 -75.022555	
	77	20	Unbal Elev	5.00		T		6	1	40.033323 -75.022609	
	77	20	Track Change	0.00		T		6	1	40.033323 -75.022609	
	77	20	Posted Speed	100.00		T		6	1	40.033323 -75.022609	
	77	20	Class Change	6.00		T		6	1	40.033323 -75.022609	
	77	59	State Line	AN		T		6	1	40.033258 -75.022715	
	77	60	Linecode	AN		T		6	1	40.033257 -75.022718	
	77	68	Railroad	TK - AMTR		T		6	1	40.033243 -75.022739	
	77	528	Signal	0.00		B		6	1	40.032459 -75.024015	1W Holmes
	77	618	Track Change	0.00		B		6	8	40.032307 -75.024266	
	77	618	Unbal Elev	3.00		B		6	8	40.032307 -75.024266	
XOV	77	634	Subdivision	XOV		B		6	8	40.032281 -75.024309	
XOV	77	883	Frog	0.00		B		6	8	40.031881 -75.025014	21 Holmes
2	77	1036	Subdivision	2		E		6	8	40.031624 -75.025447	
XOV	77	1349	Subdivision	XOV		B		6	8	40.031072 -75.026339	
XOV	77	1505	Frog	0.00		B		6	8	40.030837 -75.026751	32 Holmes
XOV	77	1573	Frog	0.00		B		6	8	40.030727 -75.026948	32 Holmes
XOV	77	1582	Warp 62	1.50	51	B	6	6	8 ##	40.030712 -75.026975	
XOV	77	1690	Subdivision	XOV		E		6	8	40.030526 -75.027293	
3	77	1809	Subdivision	3		E		6	8	40.030312 -75.027639	
3	77	1970	Frog	0.00		T		6	8	40.030036 -75.028084	23 Holmes
XOV	77	2265	Subdivision	XOV		C		6	8	40.029525 -75.028910	
XOV	77	2403	Frog	0.00		B		6	8	40.029320 -75.029274	43 Holmes
XOV	77	2476	Frog	0.00		B		6	8	40.029202 -75.029482	43 Holmes
XOV	77	2648	Unbal Elev	5.00		E		6	4	40.028904 -75.029975	
XOV	77	2648	Track Change	0.00		E		6	4	40.028904 -75.029975	
	77	2687	Subdivision			E		6	4	40.028833 -75.030088	
	77	2868	Signal	0.00		T		6	4	40.028515 -75.030607	4E Holmes
	78	1	State Line	AN		T		1	4	0.000000 0.000000	

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SUBDIV	MP	FT	Parameter	Value	Length	TSC	LC	PC	Track	Peak Lat/Long	Comment
	78	1	Track Change	0.00		T		1	4	0.000000 0.000000	
	78	46	Down Milepost	78.00		T		1	1	0.000000 0.000000	
	78	2	Linecode	AN		T		1	4	0.000000 0.000000	
	78	3	Railroad	TK - AMTR		T		1	4	0.000000 0.000000	
	78	807	Down Milepost	78.00		T		1	4	40.028326 -75.030910	
	78	317	Posted Speed	90.00		T		5	4	40.028399 -75.030793	
	78	317	Class Change	5.00		T		5	4	40.028399 -75.030793	
	78	396	Signal	0.00		T		5	4	40.028539 -75.030566	4E Holmes
	78	828	Frog	0.00		T		5	4	40.029284 -75.029366	43 Holmes
	78	2318	Gage Narrow	56.06	3	T	5	5	4	40.031848 -75.025232	
	78	2321	Frog	0.00		T		5	4	40.031853 -75.025224	34 Holmes
	78	2343	Gage Change	0.60	25	T	5	5	4	40.031890 -75.025164	
	78	2423	Gage Change	-0.64	23	T	5	5	4	40.032027 -75.024943	
	78	2423	Gage Narrow	56.02	11	T	5	5	4	40.032027 -75.024943	
	78	2454	Gage Change	0.80	30	T	5	5	4	40.032081 -75.024856	
	78	2505	Gage Change	-0.71	30	T	5	5	4	40.032168 -75.024716	
	78	2507	Gage Narrow	56.06	9	T	5	5	4	40.032172 -75.024710	
	78	2579	Frog	0.00		T		5	4	40.032293 -75.024511	45 Holmes
	78	2689	Concrete Ties Start	0.00		T		5	4	40.032485 -75.024204	Holmesburg Sta
	78	2732	Signal	0.00		T		5	4	40.032559 -75.024086	4W Holmes
	78	2772	Ped Xing	0.00		T		5	4	40.032628 -75.023974	Holmesburg Sta
	78	2794	Ped Xing	0.00		T		5	4	40.032667 -75.023912	Holmesburg Sta
	78	2846	Ped Xing	0.00		T		5	4	40.032755 -75.023770	Holmesburg Sta
	78	2880	Ped Xing	0.00		T		5	4	40.032813 -75.023676	Holmesburg Sta
	78	2919	Concrete Ties End	0.00		T		5	4	40.032880 -75.023568	Holmesburg Sta
	78	2937	Bridge Start	0.00		T		5	4	40.032912 -75.023518	
	78	3004	Bridge End	0.00		T		5	4	40.033026 -75.023333	
	78	3499	Bridge Start	0.00		T		5	4	40.033880 -75.021937	
	78	3685	Bridge End	0.00		T		5	4	40.034199 -75.021408	
	77	3913	Down Milepost	77.00		B		5	4	40.034577 -75.020761	

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Zoo to Holmes

SUBDIV	MP	FT	Parameter	Value	Length	TSC	LC	PC	Track	Peak Lat/Long	Comment
	77	2596	Bridge Start	0.00		T		5	4	40.038078 -75.012717	
	77	2673	Bridge End	0.00		T		5	4	40.038171 -75.012479	
	76	5241	Down Milepost	76.00		T		5	4	40.041901 -75.005192	
	77	141	Up Milepost	77.00		T		1	1	40.034067 -75.021623	
	77	50	Class Change	6.00		T		6	1	40.033986 -75.021756	
	77	50	Posted Speed	100.00		T		6	1	40.033986 -75.021756	
	77	50	Track Change	0.00		T		6	4	40.033986 -75.021756	
	77	50	Unbal Elev	7.00		T		6	4	40.033986 -75.021756	
	77	73	State Line	AN		T		6	4	40.033948 -75.021819	
	77	74	Linecode	AN		T		6	4	40.033945 -75.021827	
	77	84	Railroad	TK - AMTR		T		6	4	40.033928 -75.021855	
	77	613	Bridge Start	0.00		C		6	4	40.033032 -75.023319	
	77	674	Bridge End	0.00		T		6	4	40.032927 -75.023487	
	77	716	Concrete Ties Start	0.00		T		6	4	40.032856 -75.023602	
	77	746	Ped Xing	0.00		T		6	4	40.032804 -75.023685	
	77	773	Ped Xing	0.00		T		6	4	40.032759 -75.023759	
	77	826	Ped Xing	0.00		T		6	4	40.032668 -75.023906	
	77	862	Ped Xing	0.00		T		6	4	40.032607 -75.024004	
	77	900	Signal	0.00		T		6	4	40.032543 -75.024108	4W Holmes
	77	1082	Frog	0.00		B		6	4	40.032235 -75.024604	45 Holmes
	77	1150	Unbal Elev	3.00		B		3	8	40.032121 -75.024792	
	77	1150	Track Change	0.00		B		3	8	40.032121 -75.024792	
	77	1150	Posted Speed	45.00		B		3	4	40.032121 -75.024792	
	77	1150	Class Change	3.00		B		3	4	40.032121 -75.024792	
	77	1163	Gage Narrow	56.06	9	B	3	3	8	40.032098 -75.024828	
	77	1194	Gage Change	0.87	30	C	3	3	8	40.032045 -75.024912	
	77	1229	Gage Change	-0.97	30	C	3	3	8	40.031982 -75.025007	
	77	1230	Gage Narrow	56.02	8	C	3	3	8	40.031981 -75.025009	
	77	1245	Gage Narrow	56.00	3	C	3	3	8 ##	40.031954 -75.025050	
	77	1339	Frog	0.00		E		3	8	40.031784 -75.025300	34 Holmes

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SUBDIV	MP	FT	Parameter	Value	Length	TSC	LC	PC	Track	Peak Lat/Long	Comment
	77	1411	Frog	0.00		B		3	8	40.031653 -75.025490	34 Holmes
	77	1420	Gage Narrow	55.98	8	B	3	3	8	40.031636 -75.025514	
	77	1444	Gage Change	0.91	24	B	3	3	8	40.031593 -75.025579	
3	77	1560	Subdivision	3		C		3	8	40.031389 -75.025896	
3	77	1948	Frog	0.00		T		3	8	40.030721 -75.026973	32 Holmes
3	77	2335	Frog	0.00		T		3	8	40.030057 -75.028045	23 Holmes
3	77	2508	Unbal Elev	7.00		T		6	3	40.029755 -75.028532	
3	77	2508	Track Change	0.00		T		6	3	40.029755 -75.028532	
3	77	2508	Posted Speed	110.00		T		6	8	40.029755 -75.028532	
3	77	2508	Class Change	6.00		T		6	8	40.029755 -75.028532	
	77	2557	Subdivision			T		6	3	40.029669 -75.028671	
	77	2775	Frog	0.00		T		6	3	40.029290 -75.029283	43 Holmes
	77	3239	Signal	0.00		T		6	3	40.028493 -75.030564	3E Holmes
	0	138	Track Change	0.00		T		1	3	40.028286 -75.030904	
	0	276	State Line	AN		T		1	3	40.028286 -75.030904	
	0	277	Linecode	AN		T		1	3	40.028286 -75.030904	
	0	296	Railroad	TK - AMTR		T		1	3	40.028286 -75.030904	
	78	346	Down Milepost	78.00		T		1	3	40.028286 -75.030904	
	78	648	Posted Speed	110.00		T		6	3	40.028355 -75.030791	
	78	648	Class Change	6.00		T		6	3	40.028355 -75.030791	
	78	734	Signal	0.00		T		6	3	40.028507 -75.030548	3E Holmes
	78	1236	Frog	0.00		T		6	3	40.029371 -75.029148	43 Holmes
	78	1677	Frog	0.00		T		6	3	40.030132 -75.027927	23 Holmes
	78	2064	Frog	0.00		T		6	3	40.030797 -75.026854	32 Holmes
	78	2589	Gage Change	-0.63	27	T	6	6	3	40.031699 -75.025399	
	78	2589	Frog	0.00		T		6	3	40.031699 -75.025399	34 Holmes
	78	3072	Signal	0.00		T		6	3	40.032533 -75.024055	3W Holmes
	78	3104	Ped Xing	0.00		T		6	3	40.032586 -75.023967	Holmesburg Sta
	78	3133	Ped Xing	0.00		T		6	3	40.032635 -75.023889	Holmesburg Sta
	78	3183	Ped Xing	0.00		T		6	3	40.032719 -75.023754	Holmesburg Sta

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SUBDIV	MP	FT	Parameter	Value	Length	TSC	LC	PC	Track	Peak Lat/Long	Comment
	78	3217	Ped Xing	0.00		T		6	3	40.032775 -75.023663	Holmesburg Sta
	78	3270	Bridge Start	0.00		T		6	3	40.032878 -75.023497	
	78	3338	Bridge End	0.00		T		6	3	40.032994 -75.023309	
	78	3839	Bridge Start	0.00		T		6	3	40.033860 -75.021892	
	78	4029	Bridge End	0.00		T		6	3	40.034184 -75.021354	
	78	4101	Unbal Elev	5.00		B		7	3	40.034306 -75.021149	
	78	4101	Posted Speed	125.00		B		7	3	40.034306 -75.021149	
	78	4101	Class Change	7.00		B		7	3	40.034306 -75.021149	
	77	4248	Down Milepost	77.00		B		7	3	40.034556 -75.020727	
	77	2596	Bridge Start	0.00		T		7	3	40.038052 -75.012693	
	77	2670	Bridge End	0.00		T		7	3	40.038141 -75.012464	
	76	5243	Down Milepost	76.00		T		7	3	40.041872 -75.005171	
	87	46	Up Milepost	87.00		T		3	1	0.000000 0.000000	
	87	1	Class Change	3.00		T		3	1	0.000000 0.000000	
	87	1	Posted Speed	60.00		T		3	1	0.000000 0.000000	
	87	1	Track Change	0.00		T		3	3	0.000000 0.000000	
	87	1	State Line	AN		T		3	3	0.000000 0.000000	
	87	1	Unbal Elev	4.00		T		3	3	0.000000 0.000000	
	87	2	Linecode	AN		T		3	3	0.000000 0.000000	
	87	3	Railroad	TK - AMTR		T		3	3	0.000000 0.000000	
	87	1	Posted Speed	80.00		T		4	3	39.980849 -75.187004	
	87	1	Class Change	4.00		T		4	3	39.980849 -75.187004	
	87	1060	Down Milepost	87.00		T		4	3	39.980849 -75.187004	
	87	41	Bridge Start	0.00		T		4	3	39.980919 -75.186898	
	87	116	Bridge End	0.00		T		4	3	39.981053 -75.186699	
	87	642	Signal	0.00		T		4	3	39.982000 -75.185276	868
	87	717	Bridge Start	0.00		T		4	3	39.982135 -75.185073	
	87	792	Bridge End	0.00		T		4	3	39.982268 -75.184874	
	87	1448	Bridge Start	0.00		T		4	3	39.983454 -75.183093	
	87	1525	Bridge End	0.00		T		4	3	39.983592 -75.182890	

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SUBDIV	MP	FT	Parameter	Value	Length	TSC	LC	PC	Track	Peak Lat/Long	Comment
	87	2082	Bridge Start	0.00		T		4	3	39.984589 -75.181421	
	87	2195	Bridge End	0.00		T		4	3	39.984791 -75.181123	
	87	2760	Bridge Start	0.00		T		4	3	39.985801 -75.179632	
	87	2807	Bridge End	0.00		T		4	3	39.985885 -75.179508	
	87	3660	Bridge Start	0.00		E		4	3	39.987295 -75.177011	
	87	3762	Bridge End	0.00		T		4	3	39.987454 -75.176718	
	87	4649	Bridge Start	0.00		T		4	3	39.988782 -75.174053	
	87	4699	Bridge End	0.00		T		4	3	39.988856 -75.173904	
	86	4789	Down Milepost	86.00		T		4	3	39.988992 -75.173636	
	86	455	Signal	0.00		T		4	3	39.989672 -75.172279	859
	86	634	Bridge Start	0.00		T		4	3	39.989937 -75.171753	
	86	717	Bridge End	0.00		T		4	3	39.990061 -75.171504	
	86	1421	Bridge Start	0.00		T		4	3	39.991120 -75.169409	
	86	1470	Bridge End	0.00		T		4	3	39.991194 -75.169264	
	86	1717	Bridge Start	0.00		T		4	3	39.991561 -75.168530	
	86	1765	Bridge End	0.00		T		4	3	39.991632 -75.168388	
	86	3130	Drag Equip Detect	0.00		B		4	3	39.993672 -75.164357	
	86	3201	Class Change	3.00		B		3	3	39.993777 -75.164147	
	86	3201	Posted Speed	60.00		B		3	3	39.993777 -75.164147	
	86	3233	Signal	0.00		B		3	3	39.993824 -75.164052	3E Lehigh
	86	3309	Bridge Start	0.00		B		3	3	39.993929 -75.163827	
	86	3371	Bridge End	0.00		C		3	3	39.994012 -75.163642	
	86	3805	Drag Equip Detect	0.00		T		3	3	39.994557 -75.162267	
	86	3963	Bridge Start	0.00		T		3	3	39.994748 -75.161761	
	86	4110	Bridge End	0.00		T		3	3	39.994925 -75.161289	
	86	4617	Frog	0.00		T		3	3	39.995530 -75.159669	23 Lehigh
	86	4865	Gage Narrow	56.15	1	B	3	3	3	39.995822 -75.158895	
	86	4904	Frog	0.00		B		3	3	39.995868 -75.158770	34 Lehigh
	86	5475	Signal	0.00		T		3	3	39.996603 -75.156946	3W Lehigh
	86	5513	Bridge Start	0.00		T		3	3	39.996653 -75.156827	

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SUBDIV	MP	FT	Parameter	Value	Length	TSC	LC	PC	Track	Peak Lat/Long	Comment
	86	5585	Bridge End	0.00		T		3	3	39.996746 -75.156601	
	86	5789	Warp 62	1.78	62	B	3	3	3	39.997016 -75.155953	
	85	5902	Down Milepost	85.00		C		3	3	39.997160 -75.155590	
	85	512	Bridge Start	0.00		C		3	3	39.997756 -75.153950	
	85	657	Bridge End	0.00		E		3	3	39.997914 -75.153478	
	85	762	Signal	0.00		E		3	3	39.998025 -75.153136	3E Clearfield
	85	1635	Frog	0.00		T		3	3	39.999011 -75.150329	43 Clearfield
	85	2392	Bridge Start	0.00		T		3	3	39.999917 -75.147890	
	85	2462	Bridge End	0.00		T		3	3	40.000001 -75.147664	
	85	2899	Signal	0.00		T		3	3	40.000523 -75.146262	3W Clearfield
	85	2901	Class Change	4.00		T		4	3	40.000525 -75.146256	
	85	2901	Posted Speed	80.00		T		4	3	40.000525 -75.146256	
	85	2901	Unbal Elev	5.00		T		4	3	40.000525 -75.146256	
	85	3148	Drag Equip Detect	0.00		T		4	3	40.000825 -75.145453	
	84	5175	Down Milepost	84.00		T		4	3	40.003257 -75.138921	
	84	1	Posted Speed	65.00		T		4	3	40.003257 -75.138921	
	84	1	Unbal Elev	4.00		T		4	3	40.003257 -75.138921	
	84	387	Bridge Start	0.00		T		4	3	40.003713 -75.137689	
	84	460	Bridge End	0.00		T		4	3	40.003797 -75.137460	
	84	1023	Bridge Start	0.00		B		4	3	40.004440 -75.135703	
	84	1032	Warp 62	1.47	62	B	4	4	3	40.004452 -75.135671	
	84	1075	Bridge End	0.00		B		4	3	40.004500 -75.135536	
	84	2107	Bridge Start	0.00		E		4	3	40.005211 -75.131948	
	84	2169	Bridge End	0.00		E		4	3	40.005216 -75.131734	
	84	2310	Signal	0.00		E		4	3	40.005220 -75.131245	835
	84	2451	Posted Speed	80.00		C		4	3	40.005218 -75.130757	
	84	2451	Unbal Elev	5.00		C		4	3	40.005218 -75.130757	
	84	3223	Signal	0.00		C		4	3	40.005150 -75.127990	834
	84	4343	Bridge Start	0.00		C		4	3	40.004859 -75.124019	
	84	4406	Bridge End	0.00		C		4	3	40.004835 -75.123793	

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	83	5290	Down Milepost	83.00		T		4	3	40.004454 -75.120678	
	83	63	Lubricator	0.00		T		4	3	40.004427 -75.120462	
	83	685	Signal	0.00		T		4	3	40.004144 -75.118283	829
	83	1895	Bridge Start	0.00		T		4	3	40.003595 -75.114041	
	83	1954	Bridge End	0.00		T		4	3	40.003569 -75.113839	
	83	3063	Bridge Start	0.00		T		4	3	40.003068 -75.109949	
	83	3124	Bridge End	0.00		T		4	3	40.003040 -75.109734	
	83	3413	Drag Equip Detect	0.00		T		4	3	40.002909 -75.108731	
	83	3673	Signal	0.00		T		4	3	40.002793 -75.107830	3E Shore
	83	4173	Bridge Start	0.00		T		4	3	40.002565 -75.106088	
	83	4227	Bridge End	0.00		T		4	3	40.002541 -75.105901	
	83	4448	Frog	0.00		T		4	3	40.002443 -75.105137	43 Shore
	83	4799	Frog	0.00		T		4	3	40.002283 -75.103903	32 Shore
	83	5001	Bridge Start	0.00		T		4	3	40.002190 -75.103194	
	83	5070	Bridge End	0.00		T		4	3	40.002160 -75.102956	
	82	5343	Down Milepost	82.00		T		4	3	40.002037 -75.102022	
	82	422	Signal	0.00		T		4	3	40.001840 -75.100477	3W Shore
	82	542	Bridge Start	0.00		T		4	3	40.001787 -75.100054	
	82	644	Bridge End	0.00		T		4	3	40.001738 -75.099687	
	82	1201	Class Change	3.00		T		3	3	40.001483 -75.097719	
	82	1201	Posted Speed	60.00		T		3	3	40.001483 -75.097719	
	82	1201	Unbal Elev	7.00		T		3	3	40.001483 -75.097719	
	82	1399	Bridge Start	0.00		B		3	3	40.001395 -75.097021	
	82	1457	Bridge End	0.00		B		3	3	40.001371 -75.096818	
	82	2648	Ped Xing	0.00		C		3	3	40.002019 -75.092777	Overhead Pipe
	82	3351	Class Change	4.00		E		4	3	40.003392 -75.091041	
	82	3351	Posted Speed	80.00		E		4	3	40.003392 -75.091041	
	82	3643	Bridge Start	0.00		T		4	3	40.004005 -75.090376	
	82	3786	Bridge End	0.00		B		4	3	40.004304 -75.090047	
	82	4837	Bridge Start	0.00		C		4	3	40.006186 -75.087241	

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SUBDIV	MP	FT	Parameter	Value	Length	TSC	LC	PC	Track	Peak Lat/Long	Comment
	82	4914	Bridge End	0.00		C		4	3	40.006294 -75.087010	
	81	5266	Down Milepost	81.00		C		4	3	40.006741 -75.085891	
	81	109	Signal	0.00		C		4	3	40.006857 -75.085540	809/810
	81	328	Drag Equip Detect	0.00		E		4	3	40.007064 -75.084816	
	81	611	Lubricator	0.00		E		4	3	40.007309 -75.083855	
	81	676	Class Change	6.00		T		6	3	40.007362 -75.083637	
	81	676	Posted Speed	110.00		T		6	3	40.007362 -75.083637	
	81	676	Unbal Elev	5.00		T		6	3	40.007362 -75.083637	
	81	803	Bridge Start	0.00		T		6	3	40.007468 -75.083207	
	81	863	Bridge End	0.00		T		6	3	40.007518 -75.083004	
	81	2174	Bridge Start	0.00		T		6	3	40.008598 -75.078555	
	81	2240	Bridge End	0.00		T		6	3	40.008653 -75.078330	
	81	2744	Bridge Start	0.00		T		6	3	40.009071 -75.076620	
	81	2808	Bridge End	0.00		T		6	3	40.009123 -75.076405	
	81	3967	Bridge Start	0.00		T		6	3	40.010095 -75.072481	
	81	4029	Bridge End	0.00		T		6	3	40.010147 -75.072269	
	81	4442	Bridge Start	0.00		T		6	3	40.010489 -75.070872	
	81	4599	Bridge End	0.00		T		6	3	40.010621 -75.070337	
	81	4672	Ped Xing	0.00		T		6	3	40.010682 -75.070089	Bridesburg Sta
	81	4703	Ped Xing	0.00		T		6	3	40.010706 -75.069987	Bridesburg Sta
	81	4739	Ped Xing	0.00		T		6	3	40.010737 -75.069864	Bridesburg Sta
	81	4808	Bridge Start	0.00		T		6	3	40.010794 -75.069629	
	81	4875	Bridge End	0.00		T		6	3	40.010848 -75.069404	
	80	5297	Down Milepost	80.00		T		6	3	40.011194 -75.067963	
	80	2545	Bridge Start	0.00		C		6	3	40.013399 -75.059384	
	80	2588	Bridge End	0.00		C		6	3	40.013444 -75.059243	
	80	3392	Signal	0.00		C		6	3	40.014380 -75.056660	793/794
	79	5406	Down Milepost	79.00		T		6	3	40.017295 -75.050570	
	79	478	Bridge Start	0.00		T		6	3	40.018009 -75.049144	
	79	644	Bridge End	0.00		T		6	3	40.018258 -75.048646	

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	79	1705	Bridge Start	0.00		T		6	3	40.019838 -75.045482	
	79	1779	Bridge End	0.00		T		6	3	40.019950 -75.045260	
	79	2328	Bridge Start	0.00		T		6	3	40.020764 -75.043635	
	79	2396	Bridge End	0.00		T		6	3	40.020866 -75.043433	
	79	3348	Bridge Start	0.00		C		6	3	40.022327 -75.040641	
	79	3418	Bridge End	0.00		C		6	3	40.022438 -75.040441	
	79	3729	Bridge Start	0.00		C		6	3	40.022949 -75.039553	
	79	3770	Bridge End	0.00		C		6	3	40.023018 -75.039437	
	79	3909	Ped Xing	0.00		C		6	3	40.023252 -75.039045	Tacony Sta
	79	3949	Ped Xing	0.00		C		6	3	40.023319 -75.038933	Tacony Sta
	79	4001	Ped Xing	0.00		C		6	3	40.023406 -75.038788	Tacony Sta
	79	4045	Ped Xing	0.00		C		6	3	40.023481 -75.038666	Tacony Sta
	79	4899	Bridge Start	0.00		T		6	3	40.024941 -75.036295	
	79	4975	Bridge End	0.00		T		6	3	40.025071 -75.036084	
	78	5195	Down Milepost	78.00		T		6	3	40.025452 -75.035472	
	78	939	Bridge Start	0.00		T		6	3	40.027063 -75.032875	
	78	997	Bridge End	0.00		T		6	3	40.027161 -75.032717	
	78	1537	Drag Equip Detect	0.00		T		6	3	40.028077 -75.031240	
	78	1794	Signal	0.00		T		6	3	40.028512 -75.030534	3E Holmes
	78	2300	Frog	0.00		T		6	3	40.029378 -75.029135	43 Holmes
	78	2756	Frog	0.00		T		6	3	40.030164 -75.027877	23 Holmes
	78	3138	Frog	0.00		T		6	3	40.030821 -75.026815	32 Holmes
	78	3464	Unbal Elev	3.00		B		3	8	40.031380 -75.025911	
	78	3464	Track Change	0.00		B		3	8	40.031380 -75.025911	
	78	3464	Posted Speed	45.00		B		3	3	40.031380 -75.025911	
	78	3464	Class Change	3.00		B		3	3	40.031380 -75.025911	
XOV	78	3484	Subdivision	XOV		C		3	8	40.031414 -75.025856	
XOV	78	3655	Gage Change	-0.89	25	B	3	3	8	40.031713 -75.025403	
XOV	78	3655	Gage Narrow	56.03	7	B	3	3	8	40.031713 -75.025403	
XOV	78	3662	Frog	0.00		B		3	8	40.031725 -75.025385	34 Holmes

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 Milepost 86 to Milepost 82

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 Run ID: 2014052007

Zoo to Holmes

SUBDIV	MP	FT	Parameter	Value	Length	TSC	LC	PC	Track	Peak Lat/Long	Comment
XOV	78	3734	Frog	0.00		E		3	8	40.031847 -75.025210	34 Holmes
XOV	78	3849	Gage Narrow	56.02	9	B	3	3	8	40.032056 -75.024892	
4	78	3861	Subdivision	4		B		3	8	40.032077 -75.024859	
4	78	3875	Gage Change	0.99	26	B	3	3	8	40.032102 -75.024820	
USLT XO	78	3962	Subdivision	USLT XO		B		3	8	40.032254 -75.024597	
USLT XO	78	3986	Frog	0.00		C		3	8	40.032298 -75.024538	43 Holmes
USLT XO	78	3999	Track Change	0.00		C		1	9	40.032323 -75.024505	
USLT XO	78	3999	Posted Speed	10.00		C		1	8	40.032323 -75.024505	
USLT XO	78	3999	Class Change	1.00		C		1	8	40.032323 -75.024505	
USLT XO	78	4003	Gage Narrow	56.09	4	C	1	1	9	40.032331 -75.024495	
USLT XO	78	4009	Gage Narrow	56.09	3	C	1	1	9	40.032344 -75.024479	
USLT XO	78	4021	Frog	0.00		C		1	9	40.032367 -75.024449	45 Holmes
USLT XO	78	4086	Signal	0.00		E		1	9	40.032501 -75.024288	5W Holmes
	0	14	State Line	AN		T		1	1	0.000000 0.000000	
	0	15	Linecode	AN		T		1	1	0.000000 0.000000	
	77	15	Up Milepost	77.00		T		1	1	0.000000 0.000000	
	77	1	Railroad	TK - AMTR		T		1	1	0.000000 0.000000	
	77	2	Unbal Elev	5.00		T		7	3	0.000000 0.000000	
	77	2	Track Change	0.00		T		7	3	0.000000 0.000000	
	77	2	Posted Speed	125.00		T		7	1	0.000000 0.000000	
	77	2	Class Change	7.00		T		7	1	0.000000 0.000000	
	77	540	Track Change	0.00		B		7	8	40.030426 -75.027437	
	77	540	Unbal Elev	3.00		B		7	8	40.030426 -75.027437	
XOV	77	562	Subdivision	XOV		B		7	8	40.030382 -75.027509	
XOV	77	710	Posted Speed	60.00		E		3	8	40.030119 -75.027910	
XOV	77	710	Class Change	3.00		E		3	8	40.030119 -75.027910	
XOV	77	728	Frog	0.00		E		3	8	40.030087 -75.027958	23 Holmes
XOV	77	744	Gage Narrow	56.06	3	E	3	3	8	40.030059 -75.028002	
XOV	77	781	Warp 10	1.27	10	B	3	3	8	40.029992 -75.028104	
XOV	77	784	Warp 62	2.05	39	B	3	3	8	40.029987 -75.028112	

Exception Report
 Exception List Section
 Milepost 86 to Milepost 82

Zoo to Holmes

SUBDIV	MP	FT	Parameter	Value	Length	TSC	LC	PC	Track	Peak Lat/Long	Comment
XOV	77	794	Frog	0.00		B		3	8	40.029968 -75.028138	23 Holmes
XOV	77	812	Gage Change	-1.11	20	B	3	3	8	40.029934 -75.028186	
XOV	77	812	Gage Narrow	55.98	6	B	3	3	8	40.029934 -75.028186	
XOV	77	860	Warp 62	2.00	62	C	3	3	8 ##	40.029845 -75.028321	
2	77	915	Subdivision	2		E		3	8	40.029746 -75.028479	
XOV	77	1031	Subdivision	XOV		B		3	8	40.029541 -75.028804	
XOV	77	1179	Frog	0.00		E		3	8	40.029272 -75.029201	12 Holmes
XOV	77	1248	Frog	0.00		B		3	8	40.029147 -75.029387	12 Holmes
XOV	77	1259	Warp 62	1.64	44	C	3	3	8	40.029127 -75.029416	
XOV	77	1259	Rev Elevation	1.58	8	C	3	3	8	40.029127 -75.029416	
XOV	77	1319	Warp 62	1.80	60	E	3	3	8	40.029021 -75.029570	
XOV	77	1367	Gage Change	-1.09	30	B	3	3	8	40.028942 -75.029692	
XOV	77	1367	Gage Narrow	55.91	16	B	3	3	8	40.028942 -75.029692	
1	77	1380	Subdivision	1		B		3	8	40.028920 -75.029728	
1	77	1398	Gage Change	1.13	30	B	3	3	8	40.028890 -75.029776	
XOV	77	1459	Subdivision	XOV		E		3	8	40.028787 -75.029946	
XOV	77	1473	Track Change	0.00		E		3	9	40.028761 -75.029982	
XOV	77	1503	Gage Narrow	56.07	1	E	3	3	9	40.028705 -75.030057	
XOV	77	1536	Frog	0.00		B		3	9	40.028641 -75.030140	91 Holmes
XOV	77	1548	Gage Narrow	56.12	2	B	3	3	9	40.028618 -75.030170	
XOV	77	1570	Frog	0.00		B		3	9	40.028574 -75.030227	91 Holmes
XOV	77	1583	Gage Narrow	56.12	1	B	3	3	9	40.028549 -75.030261	
XOV	77	1614	Gage Change	0.99	30	B	3	3	9	40.028491 -75.030344	
XOV	77	1641	Gage Change	1.40	11	C	3	3	9	40.028443 -75.030416	
XOV	77	1641	Gage Wide	57.64	1	C	3	3	9	40.028443 -75.030416	
O	77	1647	Subdivision	O		C		3	9	40.028433 -75.030432	
O	77	1649	Signal	0.00		C		3	9	40.028429 -75.030437	9E Holmes
O	77	1685	Gage Change	-0.93	30	E	3	3	9	40.028369 -75.030534	
	83	156	Up Milepost	83.00		T		1	1	40.002809 -75.107422	
	83	47	Track Change	0.00		T		1	5	40.002809 -75.107422	

Exception Report
Exception List Section
Milepost 86 to Milepost 82

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Run ID: 2014052009

Zoo to Holmes

SUBDIV	MP	FT	Parameter	Value	Length	TSC	LC	PC	Track	Peak Lat/Long	Comment
	83	82	State Line	AN		T		1	5	40.002809 -75.107422	
	83	83	Linecode	AN		T		1	5	40.002809 -75.107422	
	83	106	Railroad	TK - AMTR		T		1	5	40.002809 -75.107422	
	83	591	Signal	0.00		B		1	5	40.002778 -75.107199	5E Shore
XOV	83	669	Subdivision	XOV		E		1	5	40.002740 -75.106923	
XOV	83	676	Derail	0.00		E		1	5	40.002736 -75.106898	
XOV	83	804	Frog	0.00		B		1	5	40.002660 -75.106464	54 Shore
XOV	83	802	Gage Narrow	55.96	5	B	1	1	5	40.002661 -75.106470	
4	83	885	Subdivision	4		E		1	5	40.002608 -75.106154	
4	83	902	Bridge Start	0.00		B		1	5	40.002599 -75.106092	
4	83	910	Track Change	0.00		B		3	8	40.002595 -75.106062	
4	83	910	Posted Speed	45.00		B		3	5	40.002595 -75.106062	
4	83	910	Class Change	3.00		B		3	5	40.002595 -75.106062	
4	83	955	Bridge End	0.00		B		3	8	40.002574 -75.105901	
XOV	83	1000	Subdivision	XOV		C		3	8	40.002553 -75.105744	
XOV	83	1109	Frog	0.00		B		3	8	40.002490 -75.105361	43 Shore
XOV	83	1156	Frog	0.00		B		3	8	40.002459 -75.105197	43 Shore
3	83	1280	Subdivision	3		E		3	8	40.002389 -75.104764	
XOV	83	1397	Subdivision	XOV		C		3	8	40.002333 -75.104354	
XOV	83	1504	Frog	0.00		B		3	8	40.002273 -75.103981	32 Shore
XOV	83	1548	Frog	0.00		B		3	8	40.002245 -75.103829	32 Shore
XOV	83	1649	Gage Narrow	56.11	5	E	3	3	8	40.002187 -75.103478	
2	83	1672	Subdivision	2		E		3	8	40.002176 -75.103398	
2	83	1713	Bridge Start	0.00		B		3	8	40.002157 -75.103255	
2	83	1778	Bridge End	0.00		B		3	8	40.002131 -75.103030	
XOV	83	1849	Subdivision	XOV		E		3	8	40.002098 -75.102787	
XOV	83	1949	Frog	0.00		B		3	8	40.002037 -75.102425	21 Shore
XOV	83	1997	Frog	0.00		B		3	8	40.002006 -75.102259	21 Shore
XOV	82	2070	Down Milepost	82.00		C		3	8	40.001963 -75.102003	
1	82	67	Subdivision	1		E		3	8	40.001929 -75.101772	

Exception Report
 Exception List Section
 Milepost 86 to Milepost 82

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 Run ID: 2014052009

Zoo to Holmes

SUBDIV	MP	FT	Parameter	Value	Length	TSC	LC	PC	Track	Peak Lat/Long	Comment
1	82	414	Signal	0.00		T		3	8	40.001769 -75.100552	
1	82	834	Track Change	0.00		E		2	7	40.001578 -75.099081	
1	82	834	Posted Speed	30.00		E		2	8	40.001578 -75.099081	
1	82	834	Class Change	2.00		E		2	8	40.001578 -75.099081	
NJT AC	82	851	Subdivision	NJT AC		E		2	7	40.001569 -75.099020	
NJT AC	82	940	Frog	0.00		B		2	7	40.001518 -75.098710	19 Shore
NJT AC	82	1019	Drag Equip Detect	0.00		B		2	7	40.001468 -75.098436	
NJT AC	82	1166	Frog	0.00		E		2	7	40.001391 -75.097922	98 Shore
NJT AC	82	1380	Bridge Start	0.00		B		2	7	40.001298 -75.097171	
NJT AC	82	1426	Bridge End	0.00		B		2	7	40.001278 -75.097010	
NJT AC	82	1825	Signal	0.00		T		2	7	40.001046 -75.095620	9W Shore

Notes:

- * Federal Track Safety Standard Advisory
- * Level 1 Exception
- ## Level adjusted by operator

Exception Report
 Curve Analysis Section
 Milepost 86 to Milepost 82

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 Run ID: 2014051903

Zoo to Holmes

Elevation plus(+) = L Rail High, minus(-) = R Rail High

Curvature plus(+) = Curve to Right, minus(-) = Curve to Left

Track	Starting		Ending		Len	Spd	Average			Speed		Limiting Point			Total		Limiting Speed at								
	MP	FT	MP	FT			Curve	Elev	Cant Def	Post	Lmt	MP	FT	Curve	Elev	Cant Def	FT	Grp	3"	4"	5"	6"	7"	8"	9"
																			Deg/M	inches	inches	Deg/M	inches	inches	
7	86	338	86	692	355	30	0/33	0.86	-0.82	10	99	86	568	0/34	0.88	-0.84			99	111	121	131	141	149	157
7	86	1639	86	2317	679	9	0/57	0.78	-0.72	10	74	86	2001	0/57	0.65	-0.58			74	83	92	99	107	113	120
7	86	2317	86	2840	524	9	-6/18	-1.94	-1.50	10	33	86	2742	-6/17	-1.84	-1.40			33	36	39	42	45	47	50
7	86	2840	86	3015	176	9	-6/00	-2.63	-2.21	10	36	86	2840	-6/08	-2.57	-2.14			36	39	42	45	47	50	52
7	86	3015	88	43	1146	10	-6/18	-2.54	1.44	30	35	86	3613	-6/18	-2.34	1.64			35	38	41	43	46	48	51
7	88	43	88	417	375	9	3/35	1.51	0.75	30	42	88	294	3/35	1.51	0.75			42	47	51	55	58	62	65
2	88	417	88	473	57	5	2/52	2.09	5.17	60	46	88	417	3/10	1.66	6.33	50	-1	46	50	55	59	62	66	69
2	88	473	88	774	302	11	2/55	2.22	5.17	60	55	88	590	2/55	2.20	5.19	63	-1	50	55	59	63	67	71	74
2	88	774	88	852	79	11	0/55	1.75	0.59	60	87	88	774	1/15	2.65	0.50			80	87	94	99	105	110	115
2	88	852	88	1272	421	11	2/14	1.55	4.10	60	59	88	1029	2/14	1.55	4.10	11	-1	54	59	65	69	74	78	82
1	88	1272	88	1632	361	8	-1/13	-0.04	2.11	50	68	88	1547	-1/12	0.01	2.11			59	68	77	84	91	97	103
2	88	1632	88	1998	367	10	1/01	0.06	2.54	60	75	88	1842	1/02	0.06	2.56			65	75	83	91	98	105	112
2	88	2613	88	2855	243	13	-1/29	-0.09	3.67	60	63	88	2785	-1/28	-0.09	3.64			55	63	70	77	83	88	94
3	88	2855	88	3178	324	7	2/52	0.08	7.15	60	45	88	3018	2/52	0.08	7.15	44	-1	39	45	50	55	59	63	67
2	88	3253	88	3384	132	8	0/21	0.46	0.43	60	134	88	3356	0/21	0.46	0.42			119	134	149	162	174	186	196
1	88	3384	88	3859	476	7	-1/54	-0.88	2.45	50	53	88	3580	-1/50	-0.67	2.55			53	53	66	72	77	82	87
2	87	305	87	274	423	8	4/23	2.23	17.43	80	48	87	236	4/35	2.32	18.24	207	-1	41	44	48	51	54	57	59
2	87	274	87	322	49	9	2/54	2.31	10.68	80	56	87	274	3/16	2.28	12.42	48	-1	48	52	56	60	64	67	70
2	87	322	87	854	533	11	7/04	2.16	29.52	80	38	87	749	7/01	2.12	29.37	532	-1	32	35	38	41	43	45	48
2	87	854	87	1465	612	12	5/25	1.83	22.45	80	42	87	999	5/25	1.76	22.57	611	-1	35	39	42	45	48	51	53
2	87	1465	87	1606	142	12	0/36	1.73	1.01	80	101	87	1465	0/56	1.78	2.43			85	94	101	109	115	122	128

Exception Report
Curve Analysis Section
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Run ID: 2014051903

Zoo to Holmes

Elevation plus(+) = L Rail High, minus(-) = R Rail High

Curvature plus(+) = Curve to Right, minus(-) = Curve to Left

Track	Starting		Ending		Len	Spd	Average			Speed		Limiting Point			Total		Limiting Speed at								
	MP	FT	MP	FT			Curve	Elev	Cant Def	Post	Lmt	MP	FT	Curve	Elev	Cant Def	FT	Grp	3"	4"	5"	6"	7"	8"	9"
																			Deg/M	inches	Deg/M	inches	inches		
2	87	1606	87	2061	456	8	1/41	1.27	6.30	80	69	87	1962	1/42	0.66	6.95	187	-1	55	63	69	75	80	85	90
2	87	4230	87	4567	338	9	0/45	0.72	2.64	80	103	87	4507	0/45	0.71	2.70			83	94	103	112	120	128	135
2	87	4567	87	5135	569	16	-0/32	-2.13	0.29	80	127	87	4804	-0/36	-1.90	0.78			108	119	127	137	146	154	161
2	87	2286	87	3116	831	32	1/30	3.50	3.22	80	90	87	2773	1/30	3.49	3.27			78	84	90	95	100	104	109
2	86	3061	86	3779	719	17	1/42	1.93	2.38	60	70	86	3483	1/43	1.93	2.40			64	70	70	81	86	91	95
2	86	5070	86	5601	532	17	-0/59	-0.73	1.76	60	82	86	5369	-0/59	-0.66	1.83			73	82	90	98	105	112	118
2	86	5601	85	638	915	20	0/45	1.18	0.71	60	95	85	376	0/48	1.09	0.93			85	95	104	113	120	127	134
2	85	638	85	1174	537	17	-0/52	-1.10	1.09	60	91	85	951	-0/52	-1.10	1.09			82	91	100	108	115	122	129
2	84	907	84	2412	1506	32	2/30	5.37	2.02	65	73	84	1794	2/31	5.28	2.17			69	73	76	80	83	87	90
2	84	2412	84	4986	2575	31	0/19	1.53	-0.05	80	143	84	2413	0/23	1.57	0.17			129	143	155	167	177	187	197
2	82	1271	82	3307	2037	31	-4/03	-4.59	5.61	60	63	82	2659	-4/07	-4.57	5.82			51	55	58	61	63	66	69
2	82	3655	81	677	2281	31	1/43	1.75	12.90	110	84	82	5186	1/47	1.73	13.44			61	68	73	79	84	88	93
2	80	1619	80	4380	2762	32	-0/35	-1.82	3.17	110	121	80	3943	-0/40	-2.04	3.72			103	113	121	130	138	145	152
2	79	2603	79	4319	1717	31	-0/18	-1.15	1.48	110	163	79	3329	-0/19	-1.11	1.60			135	151	163	178	190	202	212
2	78	5029	77	950	1239	29	0/57	5.13	5.26	125	122	77	547	0/58	5.14	5.58	301	-1	109	115	122	127	133	138	144
2	77	950	77	1630	681	31	0/26	2.40	2.41	125	145	77	953	0/30	2.40	3.07			124	135	145	155	164	172	180
2	77	2749	77	4664	1916	29	-0/39	-2.85	4.26	125	129	77	4012	-0/39	-2.81	4.40			112	121	129	138	146	153	160
8	77	384	77	720	337	6	1/10	0.21	7.98	100	76	77	608	0/47	0.25	5.28	48	-1	77	88	76	106	114	122	129
1	77	720	77	1105	386	11	-1/00	0.03	7.04	100	65	77	913	-1/00	0.03	6.97	176	-1	65	75	84	92	100	107	113
1	78	2413	77	947	1144	30	0/51	3.66	1.16	90	110	77	523	0/57	4.07	1.32			103	110	117	123	129	135	140
1	77	947	77	1694	748	28	0/22	1.83	0.27	90	135	77	948	0/28	1.95	0.71			123	135	145	155	165	174	182

Exception Report
 Curve Analysis Section
 Milepost 86 to Milepost 82

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 Run ID: 2014052002

Zoo to Holmes

Elevation plus(+) = L Rail High, minus(-) = R Rail High

Curvature plus(+) = Curve to Right, minus(-) = Curve to Left

Track	Starting		Ending		Len	Spd	Average			Speed		Limiting Point			Total		Limiting Speed at								
	MP	FT	MP	FT			Curve	Elev	Cant Def	Post	Lmt	MP	FT	Curve	Elev	Cant Def	FT	Grp	3"	4"	5"	6"	7"	8"	9"
																			Deg/M	inches	inches	Deg/M	inches	inches	
1	77	2745	77	4660	1916	28	-0/42	-2.91	1.12	90	116	77	4155	-0/43	-2.89	1.25			107	116	124	132	139	146	153
8	77	501	77	803	303	12	-1/01	-0.17	7.04	100	79	77	725	-0/43	-0.21	4.83	54	-1	80	91	79	111	120	128	135
8	77	803	77	1187	385	9	1/12	-0.11	8.36	100	58	77	983	1/13	-0.11	8.43	54	-1	58	68	76	83	90	96	102
8	77	1187	77	1496	310	14	-1/02	0.04	7.24	100	62	77	1397	-1/02	0.19	7.09	66	-1	62	72	81	89	97	104	110
8	77	1496	77	1880	385	8	1/13	-0.61	8.00	100	51	77	1652	1/13	-0.75	7.79	52	-1	51	62	71	78	86	92	98
8	77	2097	77	2396	300	13	-1/02	-0.01	7.27	100	62	77	2281	-1/01	0.21	6.93	70	-1	62	73	82	90	98	104	111
4	77	2396	77	2778	383	8	1/15	-0.23	8.52	100	56	77	2580	1/15	-0.23	8.59	172	-1	56	65	74	81	88	94	100
4	78	3743	77	932	1103	28	0/51	3.40	1.47	90	102	77	604	0/54	3.63	1.53			102	109	116	123	129	135	141
4	77	932	77	1641	710	28	0/21	0.90	1.14	90	110	77	933	0/27	0.84	1.71			110	124	136	147	158	168	177
4	77	2746	77	4628	1883	27	-0/43	-2.99	1.09	90	107	77	3582	-0/44	-3.02	1.18			107	116	124	132	139	146	152
4	77	131	77	640	510	17	0/09	0.30	0.82	100	227	77	132	0/12	0.23	1.17			152	174	193	211	227	243	257
8	77	1004	77	1365	362	10	1/10	0.05	1.60	45	64	77	1288	1/00	-0.14	1.29			64	74	83	91	64	105	112
8	77	1365	77	1723	359	9	-1/00	0.37	1.05	45	60	77	1533	-1/01	0.40	1.06			60	71	80	88	96	103	109
3	78	4056	77	950	1143	31	0/56	4.67	5.61	125	120	77	513	0/57	4.78	5.72	445	-1	120	114	121	127	132	138	143
3	77	950	77	1700	751	31	0/22	0.96	3.20	125	141	77	960	0/25	0.97	3.73			115	128	141	152	163	173	182
3	77	2719	77	4651	1933	28	-0/42	-3.63	4.03	125	130	77	3952	-0/43	-3.62	4.26			115	123	130	138	145	152	158
3	77	4651	77	4903	253	17	-0/04	-0.35	0.42	125	247	77	4652	-0/06	-0.11	1.10			201	231	247	282	304	324	344
3	87	2811	87	3682	872	28	1/27	3.12	3.38	80	83	87	3219	1/27	3.06	3.44			77	83	89	94	100	104	109
3	86	3079	86	3793	715	12	1/40	1.02	3.22	60	65	86	3478	1/41	1.01	3.25			58	65	71	77	82	87	92
3	86	4852	86	5360	509	13	-1/03	-0.85	1.83	60	80	86	5169	-1/03	-0.84	1.83			72	80	89	96	103	109	115
3	86	5618	85	891	1176	23	0/40	4.51	-2.82	60	130	85	269	0/46	5.19	-3.22			122	130	137	143	149	155	161

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 Curve Analysis Section
 Milepost 86 to Milepost 82

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 2014-05-20 to 2014-05-19
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Zoo to Holmes

Elevation plus(+) = L Rail High, minus(-) = R Rail High

Curvature plus(+) = Curve to Right, minus(-) = Curve to Left

Track	Starting		Ending		Len	Spd	Average			Speed		Limiting Point			Total		Limiting Speed at								
	MP	FT	MP	FT			Curve	Elev	Cant Def	Post	Lmt	MP	FT	Curve	Elev	Cant Def	FT	Grp	3"	4"	5"	6"	7"	8"	9"
																			Deg/M	inches	inches	Deg/M	inches	inches	
3	85	891	85	1441	551	16	-0/53	-0.58	1.66	60	86	85	1210	-0/52	-0.58	1.64			76	86	95	103	111	118	125
3	84	923	84	2407	1485	35	2/24	4.90	2.20	65	72	84	1686	2/25	4.83	2.33			68	72	76	80	84	87	90
3	84	2407	84	5027	2621	35	0/20	1.74	-0.21	80	145	84	2412	0/23	1.73	0.01			132	145	157	168	179	189	198
3	82	1281	82	3352	2072	36	-4/01	-5.31	12.74	80	65	82	2060	-4/05	-5.13	13.19			53	56	59	62	65	68	70
3	82	3661	81	671	2277	30	1/42	1.93	5.69	80	85	82	5018	1/45	1.94	5.95			63	69	75	80	85	90	94
3	80	1589	80	4352	2764	31	-0/37	-1.60	3.74	110	114	80	3901	-0/48	-2.37	4.41			98	107	114	122	129	136	142
3	79	2561	79	4303	1743	29	-0/20	-1.56	1.32	110	156	79	3165	-0/22	-1.64	1.58			132	146	156	169	180	190	200
8	78	3287	78	3651	365	11	-1/07	0.11	1.48	45	67	78	3568	-0/55	0.08	1.22			67	78	67	96	104	111	118
8	78	3651	78	3750	100	9	0/00	0.05	-0.03	45	140	78	3674	-0/15	-0.58	-0.22			140	162	179	194	208	221	234
9	78	3750	78	4269	520	6	-4/37	-0.16	0.17	10	31	78	4032	-4/34	-0.11	0.21	25		31	36	40	44	47	50	53
8	77	395	77	759	365	7	1/16	0.16	3.07	60	71	77	653	0/52	0.11	2.10	65		71	82	71	100	107	115	122
8	77	759	77	963	205	6	-0/51	0.29	1.86	60	67	77	883	-0/50	0.29	1.83			67	79	90	99	107	115	122
8	77	963	77	1202	240	7	1/02	0.39	2.23	60	68	77	1126	1/02	0.39	2.23			68	78	86	94	101	107	114
8	77	1202	77	1335	134	8	-0/37	0.92	0.67	60	62	77	1269	-0/34	1.44	-0.01			62	80	94	107	118	128	138
9	77	1335	77	1529	195	7	1/17	-0.29	2.97	60	55	77	1448	1/17	-0.28	2.97	37	-1	55	64	72	80	86	92	98
9	77	1529	77	1813	285	6	-1/45	0.02	4.42	60	48	77	1641	-1/40	0.27	3.94	30	-1	48	56	64	70	76	81	86
5	83	478	83	749	272	6	1/19	-0.19	0.02	15	55	83	665	1/20	-0.19	0.03			55	64	72	79	85	91	97
5	83	749	83	893	145	3	-0/28	-0.26	-0.19	15	98	83	864	-0/28	-0.26	-0.19			98	113	125	137	147	157	166
8	83	893	83	1071	179	5	0/44	0.13	0.92	45	77	83	1019	0/45	0.13	0.93			77	89	99	108	117	124	132
8	83	1071	83	1281	211	6	-0/58	0.27	1.11	45	63	83	1200	-0/57	0.27	1.09			63	75	84	92	100	107	114
8	83	1281	83	1467	187	7	0/50	0.36	0.83	45	75	83	1415	0/50	0.36	0.83			75	86	96	104	112	119	126

Exception Report
 Curve Analysis Section
 Milepost 86 to Milepost 82

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 2014-05-20 to 2014-05-19
 Run ID: 2014052009

Zoo to Holmes

Elevation plus(+) = L Rail High, minus(-) = R Rail High

Curvature plus(+) = Curve to Right, minus(-) = Curve to Left

Track	Starting		Ending		Len	Spd	Average			Speed		Limiting Point			Total		Limiting Speed at								
	MP	FT	MP	FT			Curve	Elev	Cant Def	Post	Lmt	MP	FT	Curve	Elev	Cant Def	FT	Grp	3"	4"	5"	6"	7"	8"	9"
																			Deg/M	inches	inches	Deg/M	inches	inches	
8	83	1467	83	1702	236	7	-1/15	0.05	1.74	45	58	83	1624	-1/15	0.05	1.72		58	67	75	82	89	95	101	
8	83	1702	83	1914	213	7	0/52	0.35	0.89	45	73	83	1825	0/53	0.35	0.91		73	84	93	101	109	116	123	
8	83	1914	82	179	336	7	-1/22	-0.09	1.85	45	57	82	23	-1/21	-0.09	1.84		57	66	73	80	86	92	98	
7	82	640	82	913	274	8	1/15	0.13	0.66	30	58	82	807	1/10	-0.22	0.51		58	68	76	84	91	97	104	
7	82	913	82	1326	414	6	-1/37	-0.05	0.98	30	52	82	1137	-1/37	-0.03	0.99		52	60	67	73	79	84	89	
7	82	1326	82	1812	487	7	1/53	1.24	-0.04	30	56	82	1571	1/54	1.24	-0.04		56	63	68	74	79	83	88	