

Will Entriken
410 Keats Rd
Huntingdon Vy, PA 19006

7 November 2011

Attn: Control Center
1234 Market Street
10th Floor
Philadelphia, PA 19107

RE: Previous report under the same name sent January 2009

To Whom It May Concern:

I have been riding the Regional Rail for several years and have always appreciated the ability to ride with SEPTA directly to a large number of places that I may want to go. The SEPTA website provides information on the status of trains, a convenient trip planner and an honest measure of regional rail on time performance. I appreciate the transparency SEPTA has in disclosing this information.

SEPTA regional rail has been below its OTP goal, and I believe there is an opportunity to improve this. I have created a real-time reporting tool that identifies trends in On-Time Performance on SEPTA's Regional Rail lines. This tool allows drill-down to identify trains that contribute to suboptimal OTP and, more importantly, makes specific recommendations to correct the problem.

I am pleased to submit this report to you, which identifies trends of inbound trains, provides recommendations and discusses the methodology used. Please contact me with any questions and to discuss how I can support you with this tool or provide other analytical services that you need. I would be able to show you a trial of the tool, which can be run real-time in a web browser.

Thanks again for all your effort in keeping the regional rail safe and convenient.

Best regards,

Will Entriken

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encl.

An analysis of SEPTA Regional Rail On-Time Performance

Presented by Will Entriken
7 November 2011

Executive Overview

Publicly available On-Time Performance data was collected from SEPTA and analyzed over the past three years. A real-time reporting tool was created and recent data illustrates trains on particular lines with consistently poor On-Time Performance. In the interest of achieving SEPTA's goal of 90% OTP, a methodology is given and a specific proposal is presented to modify rail timetables.

Introduction

An online, realtime reporting tool was created which collects publicly available schedule and On-Time Performance data for all SEPTA trains on all lines. This tool has been run continuously since late 2008 and thus contains data for all SEPTA's rail service each minute over the past three years.

Some statistical definitions and methods are shown. Following that is a description of output reports, and results and conclusions.

Definitions

On-Time Performance (OTP) is defined as the percentage of trains on a line which are less than or equal to 5:59 late in reaching their destination. Trains are said to be traveling inbound until they reach Suburban Station, then they are traveling outbound to a different destination. Inbound trains' destination are Suburban Station, for OTP purposes.

Lateness is defined as the delay experienced by passengers for a given stop. This can be expressed as an average lateness, or can be express as a standard deviation.

Percentiles are a metric of Lateness. The 50% percentile is the median. To say that “the 25th percentile lateness is 5 minutes” is to say 25% of trains are over 5 minutes late, 75% of trains are 5 minutes late or less.

Method

Train lateness data is collected from the SEPTA Regional Rail website. Also, schedules are collected from the Regional Rail website. These data and schedules are automatically interpreted by the reporting tool. Several sets of statistics are output by the tool, and some of these are attached to this report. Drill-down is available to identify specific train performance and this shown.

Average Lateness

Average lateness is shown for each stop of each train on a given line. This table is color coded for clarity.

Recommended Schedule

A recommended schedule is presented. This is generated by taking the existing schedule and delaying some stops. Stops are recommended to be delayed when a train is late at that stop on time for a vast majority of the days. Specifically, each recommended time is set to the 10th percentile of the time the train actually arrives at that stop. In other words, any recommended schedule change

may cause a train to delay one or two times a month. But for all other days, the actual train departure time would more closely match the scheduled time. This 10th percentile was chosen to have a minimal risk of negative effectives on OTP.

Each recommended change could be accepted or rejected independently and still have the desired effect.

Results

Outputs from the program for inbound trains are included at the end of this report:

- An overview of available reports
- Average lateness for all stops on all lines
- Recommended schedule changes for all lines
- Drill-down report for Paoli line train #582

These reports show where attention could be spent to improve On-Time Performance. One specific example is Paoli train #582. The Paoli line is fairly good for OTP (for inbound service), except for one train. The 582 train is usually 3 minutes late at its first stop, Malvern, and then remains consistently 3 minutes late the remainder of its trip to Suburban Station. There is an opportunity to modify the timetable and delay the schedule slightly so that the scheduled time more accurately matches the actual train arrival time. This example is highly visible given the data, and many other potential wins are illustrated in the attached exhibits.

Conclusions

The official OTP for fiscal September 2011 was 80%. By analyzing the variance of OTP on a per-train basis, we see the baseline of train lateness and can identify trains which contribute most to OTP degradation. In other words, some service delays are caused by weather, acts of God, etc. and are uncontrollable; other delays are controllable and can be managed through attention to scheduling. The previous report (see *An analysis of SEPTA Regional Rail On-Time Performance, 2009*) estimates that this breakdown is approximately 60%/40%, respectively, for SEPTA's rail.

Airport Line — Average Lateness (mins.)

Options for this report

» Start date: 2011-08-28 » End date: 2011-11-07 » Service schedule: S1 » Report run time: 2011-11-07 21:01:46
 » Stops averaging 3+ minutes late are highlighted

Inbound Service

Train Number	Airport Terminal E F	Airport Terminal C D	Airport Terminal B	Airport Terminal A	Eastwick	University City	30th Street Station	Suburban Station
402	0.1	0.2	0.2	0.2	0.3	0.8	1.0	1.2
4708	0.2	0.3	0.3	0.3	0.4	1.0	1.4	1.8
404	0.2	0.2	0.2	0.3	0.5	0.9	1.4	1.8
4520	0.1	0.2	0.2	0.2	0.2	0.5	1.2	1.4
4222	0.0	0.1	0.1	0.1	0.1	0.7	1.0	1.8
9410	0.0	0.0	0.0	0.1	0.2	1.1	1.6	2.5
412	0.1	0.1	0.1	0.1	0.1	0.9	1.1	1.3
4346	0.0	0.0	0.0	0.1	0.3	0.9	1.5	2.4
416	0.0	0.1	0.1	0.3	0.8	3.0	3.8	4.8
4348	0.0	0.1	0.1	0.3	0.6	1.6	2.1	3.1
420	0.1	0.2	0.2	0.5	1.1	2.5	3.1	4.2
4350	0.0	0.1	0.1	0.2	0.5	1.1	1.5	2.0
424	0.0	0.2	0.2	0.4	0.9	1.5	1.8	2.0
4352	0.0	0.1	0.1	0.1	0.3	1.3	1.8	1.9
428	0.0	0.1	0.1	0.3	0.6	1.4	1.7	2.1
4354	0.0	0.1	0.1	0.2	0.5	1.3	1.9	3.0
432	0.1	0.1	0.1	0.2	0.4	1.0	1.4	1.8
4356	0.1	0.2	0.2	0.3	0.6	1.6	2.3	3.6
436	0.0	0.1	0.1	0.2	0.4	1.2	1.7	2.0
438		0.3	0.3	0.2	0.5	1.3	1.8	2.4
440	0.0	0.1	0.1	0.2	0.5	2.3	2.7	3.4
442	0.0	0.1	0.1	0.2	0.6	1.1	1.4	1.9
4844	0.1	0.3	0.3	0.4	0.8	1.4	1.7	1.8
4756	0.0	0.1	0.1	0.2	0.6	1.8	1.5	1.9
4382	0.1	0.1	0.1	0.3	0.9	1.8	2.1	2.1
450	0.0	0.1	0.1	0.2	0.7	1.7	2.4	3.7
9452	0.1	0.1	0.1	0.1	0.4	1.7	2.0	1.9
454	0.0	0.1	0.1	0.1	0.2	0.6	0.9	1.3
1456	0.0	0.1	0.1	0.2	0.8	1.8	2.3	3.1
458	0.1	0.1	0.1	0.1	0.2	0.9	1.4	1.8
9460	0.0	0.0	0.0	0.0	0.1	0.8	1.3	1.2
462	0.0	0.1	0.1	0.1	0.1	0.4	0.7	1.0
9464	0.1	0.2	0.2	0.2	0.2	0.4	0.7	0.7
466	0.1	0.1	0.1	0.1	0.2	0.6	0.9	1.0
9468	0.1	0.1	0.1	0.1	0.0	0.3	0.5	0.5
470	0.0	0.0	0.0	0.0	0.1	0.3	0.5	0.7
9472	0.0	0.0	0.0	0.0	0.1	0.6	0.9	1.0
474	0.0	0.1	0.1	0.1	0.2	0.0	0.0	0.0
476	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.3

Airport Line — Proposed Schedule

This is Will Entriken's proposed schedule change. With this new schedule, the trains would continue to arrive as they currently do. The passengers would show up a little later and avoid waiting for commonly delinquent trains.

Options for this report

» Start date: 2011-08-28 » End date: 2011-11-07 » Service schedule: S1 » Report run time: 2011-11-07 21:04:51
» Proposed changes are highlighted
» Change is recommended when over 90% of trains are late for a stop

Inbound Service

Train Number	Airport Terminal E F	Airport Terminal C D	Airport Terminal B	Airport Terminal A	Eastwick	University City	30th Street Station	Suburban Station
402	5:09	5:11	5:12	5:13	5:17	5:27	5:30	5:35
4708	5:39	5:41	5:42	5:43	5:47	5:57	6:00	6:05
404	6:09	6:11	6:12	6:13	6:17	6:27	6:30	6:35
4520	6:39	6:41	6:42	6:43	6:47	7:00	7:03	7:08
4222	7:09	7:11	7:12	7:13	7:17	7:27	7:30	7:35
9410	7:39	7:41	7:42	7:43	7:47	7:57	8:00	8:05
412	8:09	8:11	8:12	8:13	8:17	8:27	8:30	8:35
4346	8:39	8:41	8:42	8:43	8:47	8:57	9:00	9:05
416	9:09	9:11	9:12	9:13	9:17	9:27	9:31	9:35
4348	9:39	9:41	9:42	9:43	9:47	9:57	10:00	10:05
420	10:09	10:11	10:12	10:13	10:17	10:27	10:30	10:35
4350	10:39	10:41	10:42	10:43	10:47	10:57	11:00	11:05
424	11:09	11:11	11:12	11:13	11:17	11:27	11:30	11:35
4352	11:39	11:41	11:42	11:43	11:47	11:57	12:00	12:05
428	12:09	12:11	12:12	12:13	12:17	12:27	12:30	12:35
4354	12:39	12:41	12:42	12:43	12:47	12:57	13:00	13:05
432	13:09	13:11	13:12	13:13	13:17	13:27	13:30	13:35
4356	13:39	13:41	13:42	13:43	13:47	13:57	14:00	14:05
436	14:09	14:11	14:12	14:13	14:17	14:27	14:30	14:35
438		14:41	14:42	14:43	14:47	14:57	15:00	15:05
440	15:09	15:11	15:12	15:13	15:17	15:27	15:30	15:35
442	15:39	15:41	15:42	15:43	15:47	15:57	16:00	16:05
4844	16:09	16:11	16:12	16:13	16:17	16:29	16:33	16:38
4756	16:39	16:41	16:42	16:43	16:47	16:57	17:03	17:08
4382	17:09	17:11	17:12	17:13	17:17	17:27	17:34	17:39
450	17:39	17:41	17:42	17:43	17:47	17:57	18:00	18:05
9452	18:09	18:11	18:12	18:13	18:17	18:27	18:30	18:35
454	18:39	18:41	18:42	18:43	18:47	18:57	19:00	19:05
1456	19:09	19:11	19:12	19:13	19:17	19:27	19:30	19:35
458	19:39	19:41	19:42	19:43	19:47	19:57	20:00	20:05
9460	20:09	20:11	20:12	20:13	20:17	20:27	20:30	20:35
462	20:39	20:41	20:42	20:43	20:47	20:57	21:00	21:05
9464	21:09	21:11	21:12	21:13	21:17	21:27	21:30	21:35
466	21:39	21:41	21:42	21:43	21:47	21:57	22:00	22:05
9468	22:09	22:11	22:12	22:13	22:17	22:27	22:30	22:35
470	22:39	22:41	22:42	22:43	22:47	22:57	23:00	23:05
9472	23:09	23:11	23:12	23:13	23:17	23:27	23:30	23:35
474	23:39	23:41	23:42	23:43	23:47	23:57	19:00	19:00
476	0:09	0:11	0:12	0:13	0:17	0:27	0:30	0:35

Chestnut Hill East Line — Average Lateness (mins.)

Options for this report

» Start date: 2011-08-28 » End date: 2011-11-07 » Service schedule: S1 » Report run time: 2011-11-07 21:03:18

» Stops averaging 3+ minutes late are highlighted

Inbound Service

Train Number	Chestnut Hill East	Gravers	Wyndmoor	Mount Airy	Sedgwick	Stenton	Washington Lane	Germantown	Wister	Wayne Junction	Temple University	Market East	Suburban Station
705	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.6	1.4	1.4	1.1
707	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.8	1.6	1.7	1.1
7411	0.1	0.1	0.0	0.0	0.0	0.1	0.2	0.3	0.3	0.9	1.7	2.4	2.0
7413	0.4	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.8	2.6	2.3
6713	0.2	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.3	0.6	1.3	2.2	2.0
7327	0.3	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.4	0.9	1.8	2.3	1.7
6721	0.1	0.1	0.1	0.2	0.3	0.4	0.4	0.4	0.5	0.8	1.9	2.4	1.8
6725	0.0	0.1	0.1	0.4	1.1	2.0	2.8	3.5	4.2	4.9	5.7	5.7	5.3
6731	0.4	0.4	0.4	0.5	0.6	0.7	0.6	0.6	0.6	1.2	0.9	0.6	0.4
6733	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.5	0.5	0.3
6735	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.5	0.5
6737	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2
783	0.0	0.1	0.2	0.5	0.8	1.1	1.2	1.2	1.2	1.0	1.5	1.2	1.0
743	0.1	0.1	0.1	0.2	0.3	0.3	0.3	0.4	0.5	0.8	0.7	0.6	0.4
7363	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.4	0.6	0.7	0.7
751	0.3	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.9	1.3	1.7	1.3
755	0.2	0.2	0.2	0.4	0.5	0.5	0.6	0.6	0.6	0.7	1.2	1.4	0.9
757	0.2	0.2	0.2	0.2	0.2	0.3	0.4	0.5	0.5	0.9	1.4	1.3	1.0
759	0.2	0.2	0.2	0.4	0.5	0.5	0.6	0.8	0.8	0.9	1.1	1.4	1.1
765	0.1	0.2	0.2	0.3	0.3	0.3	0.5	0.7	0.8	1.1	1.7	1.8	1.3
769	0.3	0.6	0.6	0.9	1.2	1.2	1.5	1.8	1.8	1.6	2.1	1.9	1.6
773	0.4	0.4	0.3	0.4	0.4	0.5	0.5	0.5	0.5	0.7	0.9	0.6	0.5
775	0.3	0.4	0.5	0.7	0.7	0.9	1.0	1.0	1.3	1.8	3.0	3.3	3.0
777	0.3	0.3	0.5	0.7	0.7	1.1	1.3	1.5	1.7	2.0	2.7	2.6	2.5
6779	0.3	0.5	0.6	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.9	0.9	1.2

Chestnut Hill East Line — Proposed Schedule

This is Will Entriken's proposed schedule change. With this new schedule, the trains would continue to arrive as they currently do. The passengers would show up a little later and avoid waiting for commonly delinquent trains.

Options for this report

» Start date: 2011-08-28 » End date: 2011-11-07 » Service schedule: S1 » Report run time: 2011-11-07 21:04:52

» Proposed changes are highlighted

» Change is recommended when over 90% of trains are late for a stop

Inbound Service

Train Number	Chestnut Hill East	Gravers	Wyndmoor	Mount Airy	Sedgwick	Stenton	Washington Lane	Germantown	Wister	Wayne Junction	Temple University	Market East	Suburban Station
705	5:55	5:57	5:59	6:01	6:03	6:05	6:07	6:10	6:12	6:16	6:21	6:27	6:32
707	6:26	6:29	6:31	6:33	6:35	6:37	6:39	6:42	6:44	6:47	6:53	6:59	7:04
7411	6:51	6:54	6:57	6:59	7:01	7:03	7:05	7:08	7:10	7:13	7:18	7:25	7:30
7413	7:21	7:24	7:27	7:29	7:31	7:33	7:35	7:38	7:40	7:43	7:48	7:55	8:00
6713	7:48	7:51	7:54	7:56	7:58	8:00	8:02	8:05	8:07	8:10	8:16	8:22	8:27
7327	8:06	8:09	8:12	8:14	8:16	8:18	8:20	8:23	8:25	8:28	8:34	8:40	8:45
6721	8:33	8:36	8:38	8:40	8:42	8:44	8:46	8:49	8:51	8:54	9:00	9:06	9:11
6725	9:22	9:24	9:26	9:28	9:30	9:32	9:34	9:36	9:38	9:43	9:49	9:55	10:00
6731	10:34	10:36	10:38	10:40	10:42	10:44	10:46	10:48	10:50	10:54	11:02	11:08	11:13
6733	11:37	11:39	11:41	11:43	11:45	11:47	11:49	11:51	11:53	11:57	12:04	12:10	12:15
6735	12:39	12:41	12:43	12:45	12:47	12:49	12:51	12:53	12:55	12:59	13:06	13:12	13:17
6737	13:41	13:43	13:45	13:47	13:49	13:51	13:53	13:55	13:57	14:01	14:08	14:14	14:19
783	14:46	14:48	14:50	14:52	14:54	14:56	14:58	15:00	15:02	15:06	15:12	15:19	15:24
743	15:43	15:45	15:47	15:49	15:51	15:55	15:57	15:59	16:01	16:03	16:10	16:16	16:21
7363	16:28	16:30	16:31	16:33	16:34	16:35	16:37	16:40	16:42	16:46	16:53	17:00	17:05
751	17:22	17:24	17:25	17:27	17:28	17:29	17:31	17:34	17:36	17:39	17:45	17:51	17:56
755	17:45	17:47	17:48	17:50	17:51	17:52	17:54	17:57	17:59	18:02	18:08	18:14	18:19
757	18:06	18:08	18:09	18:11	18:12	18:13	18:15	18:18	18:20	18:23	18:29	18:36	18:41
759	18:45	18:47	18:48	18:50	18:51	18:52	18:54	18:57	18:59	19:02	19:08	19:14	19:19
765	19:25	19:27	19:28	19:30	19:31	19:32	19:34	19:37	19:39	19:42	19:48	19:54	19:59
769	20:13	20:15	20:16	20:18	20:19	20:20	20:22	20:26	20:28	20:32	20:38	20:44	20:48
773	21:16	21:18	21:19	21:21	21:22	21:23	21:25	21:28	21:30	21:33	21:39	21:45	21:49
775	22:12	22:14	22:15	22:17	22:18	22:19	22:21	22:23	22:25	22:27	22:33	22:39	22:43
777	23:16	23:18	23:19	23:21	23:22	23:23	23:25	23:27	23:29	23:31	23:37	23:43	23:47
6779	0:22	0:24	0:25	0:27	0:28	0:29	0:31	0:33	0:35	0:37	0:43	0:48	0:51

Chestnut Hill West Line — Average Lateness (mins.)

Options for this report

» Start date: 2011-08-28 » End date: 2011-11-07 » Service schedule: S1 » Report run time: 2011-11-07 21:03:20

» Stops averaging 3+ minutes late are highlighted

Inbound Service

Train Number	Chestnut Hill West	Highland	St. Martins	Allen Lane	Carpenter	Upsal	Tulpehocken	Cheltenham Avenue	Queen Lane	North Philadelphia	30th Street Station	Suburban Station
812	0.6	0.7	0.7	0.9	1.0	1.1	1.3	1.5	1.6	1.6	1.0	1.6
814	0.5	0.6	0.6	0.7	0.8	0.8	0.8	0.8	0.8	0.8	1.8	2.6
816	1.0	1.0	1.3	1.5	1.8	1.9	1.9	1.9	1.9	1.9	2.3	4.2
818	0.2	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	1.4	2.0
9820	0.9	0.9	1.1	1.4	1.7	1.9	2.0	1.9	1.8	1.7	1.7	2.6
822	1.1	1.4	2.3	3.2	4.3	5.1	5.5	5.7	5.8		5.2	6.0
9830	0.6	0.6	0.8	0.9	1.0	1.0	1.1	1.1	1.2		1.9	2.8
826	0.6	0.6	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.3
828	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.6
830	0.4	0.4	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8
832	0.9	1.0	1.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.6
834	0.8	0.8	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.9	1.4	2.0
838	1.2	1.2	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.2	1.6
8752	0.6	0.6	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7	1.0	1.3
846	0.8	0.8	0.9	1.2	1.2	1.3	1.3	1.4	1.5	1.7	1.4	1.7
850	0.8	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.6	0.8
852	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.6	1.0
8764	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.7		0.4	0.5
9858	0.7	0.7	1.0	1.2	1.2	1.4	1.6	1.6	1.7		1.3	1.4
860	0.8	0.9	0.9	1.1	1.1	1.1	1.1	1.1	1.1		0.4	0.3
8270	0.7	0.9	0.9	1.2	1.2	1.2	1.2	1.2	1.2		0.8	0.9
864	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.5	0.5
866	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3		0.6	0.9
868	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.8	0.6

Chestnut Hill West Line — Proposed Schedule

This is Will Entriiken's proposed schedule change. With this new schedule, the trains would continue to arrive as they currently do. The passengers would show up a little later and avoid waiting for commonly delinquent trains.

Options for this report

» Start date: 2011-08-28 » End date: 2011-11-07 » Service schedule: S1 » Report run time: 2011-11-07 21:04:53

» Proposed changes are highlighted

» Change is recommended when over 90% of trains are late for a stop

Inbound Service

Train Number	Chestnut Hill West	Highland	St. Martins	Allen Lane	Carpenter	Upsal	Tulpehocken	Cheltenham Avenue	Queen Lane	North Philadelphia	30th Street Station	Suburban Station
812	6:10	6:11	6:13	6:15	6:17	6:19	6:21	6:23	6:25	6:28	6:42	6:47
814	6:42	6:43	6:45	6:47	6:49	6:51	6:53	6:55	6:57	7:00	7:11	7:16
816	7:07	7:08	7:10	7:12	7:14	7:16	7:18	7:20	7:22	7:25	7:36	7:42
818	7:38	7:39	7:41	7:43	7:45	7:47	7:49	7:51	7:53	7:56	8:08	8:13
9820	8:11	8:12	8:14	8:16	8:18	8:20	8:22	8:24	8:26	8:29	8:41	8:46
822	8:36	8:37	8:39	8:41	8:43	8:46	8:48	8:50	8:52		9:06	9:11
9830	9:07	9:08	9:10	9:12	9:14	9:16	9:18	9:20	9:22		9:35	9:40
826	9:57	9:58	9:59	10:01	10:02	10:03	10:05	10:07	10:09	10:12	10:24	10:29
828	10:57	10:58	10:59	11:01	11:02	11:03	11:05	11:07	11:09	11:12	11:24	11:29
830	11:57	11:58	11:59	12:01	12:02	12:03	12:05	12:07	12:09	12:12	12:24	12:29
832	12:52	12:54	12:55	12:56	12:57	12:58	13:01	13:03	13:05	13:08	13:19	13:24
834	13:51	13:52	13:53	13:55	13:56	13:57	13:59	14:01	14:03	14:06	14:18	14:23
838	14:51	14:52	14:53	14:55	14:56	14:57	14:59	15:01	15:03	15:06	15:18	15:23
8752	15:45	15:46	15:47	15:49	15:50	15:51	15:53	15:55	15:57	16:00	16:14	16:19
846	16:33	16:34	16:35	16:37	16:38	16:39	16:41	16:43	16:45	16:48	17:03	17:08
850	17:22	17:23	17:24	17:26	17:27	17:28	17:30	17:32	17:34	17:37	17:50	17:56
852	17:53	17:54	17:55	17:57	17:58	17:59	18:01	18:03	18:05	18:08	18:20	18:25
8764	18:17	18:18	18:19	18:21	18:22	18:23	18:25	18:27	18:29		18:43	18:48
9858	19:05	19:06	19:07	19:09	19:10	19:11	19:13	19:15	19:17		19:31	19:36
860	19:50	19:51	19:52	19:55	19:56	19:57	19:58	19:59	20:01		20:19	20:24
8270	20:10	20:11	20:12	20:14	20:15	20:16	20:18	20:20	20:22		20:36	20:41
864	20:52	20:53	20:54	20:56	20:57	20:58	21:00	21:02	21:04	21:07	21:19	21:24
866	21:55	21:56	21:57	21:59	22:00	22:01	22:03	22:05	22:07		22:20	22:25
868	22:50	22:51	22:52	22:54	22:55	22:56	22:58	23:00	23:02	23:04	23:15	23:20

Lansdale/Doylestown Line — Average Lateness (mins.)

Options for this report

» Start date: 2011-08-28 » End date: 2011-11-07 » Service schedule: S1 » Report run time: 2011-11-07 21:06:40

» Stops averaging 3+ minutes late are highlighted

Inbound Service

Train Number	Doylestown	Delaware Valley College	New Britain	Chalfont	Link Belt	Colmar	Fortuna	Lansdale	Pennbrook	North Wales	Gwynedd Valley	Penllyn	Ambler	Fort Washington	Oreland	North Hills	Glenside	Jenkintown Wyncoate	Elkins Park	Melrose Park	Fern Rock T C	Wayne Junction	North Broad	Temple University	Market East	Suburban Station
501								0.2	0.4	0.6	1.1	1.4	1.2	1.0	0.8	0.7	0.9	0.9	1.1	1.3	1.5	2.8	3.4	4.0	2.2	
503	0.0	0.2	0.5	0.4	0.8	0.8	0.4	0.3	0.6	0.9	1.4	1.7	1.7	1.6	1.4	1.4	1.5	1.5	1.9	2.2	2.4	3.6	4.2	5.3	5.2	
507	0.0	0.1	0.3	0.2	0.6	0.7	0.4	0.4	0.6	0.7	0.8	0.9	0.9	0.9				1.5	1.9	2.2	2.4	3.6	4.2	5.0	5.3	
509								0.1	0.2	0.4	1.0	1.2	1.2	1.2	1.1	1.2	1.6			3.3			4.2	3.7	3.0	
5711	0.1	0.2	0.6	0.7	0.9	1.0	0.9	0.8	1.2	1.4	1.5	1.8	1.8	1.7										5.5	5.7	
513								0.1	0.1	0.7	1.2	1.6	1.6	1.7	1.8	1.8	2.2	2.5		2.9		3.5	3.8	4.1	3.9	
6595	0.0	0.0	0.2	0.4	0.7	1.4	1.6	1.5	1.3	1.6	1.7	1.5	1.5	1.4									3.2	3.3	3.4	
515								0.3	0.7	1.5	1.9	2.6	2.8	2.9	3.2	3.5	4.3			3.5			5.6	7.0	7.9	
6517	0.1	0.1	0.3	0.8		0.9		0.8	1.2	1.6	2.3	2.4	2.6	2.4	2.5	2.5	2.6	2.8		3.5	3.9	4.1	5.4	6.5	6.3	
519					0.6	0.6	0.6	0.8	1.0	1.5	1.6	1.5	1.4	1.4	1.5	1.6	1.8	1.8		1.7	2.4		3.6	4.3	3.6	
521	0.1	0.2	0.2	0.3		0.6		0.9	1.2	1.5	1.8	2.0	1.9	1.8	1.7	1.8	1.9	2.0	2.0	2.0	2.2	2.9	3.1	3.7	2.9	
523					0.1	0.2	0.3	0.6	0.8	1.4	1.7	1.9	1.8	1.8	1.9	2.0	2.3	2.4	2.4	2.7	3.3		4.1	4.8	4.6	
525	0.1	0.2	0.7	1.0		0.8		0.3	0.7	1.2	1.7	1.9	1.6	1.4	1.4	1.7	2.0	2.2	2.2	1.5	1.8	2.9	3.2	3.5	2.3	
527					0.1	0.2	0.2	0.3	1.1	1.6	1.7	1.9	1.8	1.7	1.8	2.0	2.2	2.4	2.4	2.4	3.1	3.9	4.1	3.7		
529	0.1	0.3	0.5	0.5		1.0		0.8	1.0	1.3	1.7	1.8	1.9	1.9	1.8	1.0	1.0	0.9	0.7	1.1	1.8	1.9	2.3	1.9		
531					0.2	0.2	0.3	0.4	0.6	1.0	1.2	1.4	1.3	1.3	1.4	1.5	1.7	1.8	2.4	2.9	2.9	2.9	3.2	3.5	3.3	
533	0.1	0.3	0.5	0.7		0.9		0.7	0.9	1.3	1.7	1.8	1.4	1.3	1.3	1.4	1.4	1.2	1.4	1.5	1.6	2.8	3.2	3.5	3.3	
535					0.3	0.3	0.4	0.6	0.7	0.9	1.1	1.2	1.1	1.0	1.1	1.2	1.4	1.4	1.4	1.3	1.5	1.7	2.1	1.9		
537	0.1	0.3	0.4	0.3		0.5	0.3	0.4	0.7	1.1	1.4	1.5	1.2	1.1	1.2	1.2	1.3	1.4	1.4	1.4	1.6	1.9	2.0	2.7	2.1	
539					0.2	0.3	0.3	0.7	0.9	1.3	1.4	1.5	1.5	1.5	1.6	1.6	1.8	1.9	2.0	2.5	2.9	3.2	3.7	2.9		
541	0.2	0.6	1.0	1.5		1.4		0.8	1.0	1.3	1.6	1.5	1.3	1.1	1.1	1.1	1.1	1.3	1.6	1.9	2.7	2.9	3.7	2.9		
545					0.1	0.1	0.1	0.1	0.2	0.4	0.8	0.9	0.3	0.1	0.1	0.1	0.1	0.1	0.2	0.5	0.3	0.2	0.1			
551	0.1	0.3	0.4	0.2		0.1		0.1	0.3	0.5	0.8	0.9	0.8	0.7	0.8	0.9	0.9	1.0	0.8	1.1	1.0	1.0	1.2	0.6		
553					0.1	0.2	0.3	0.1	0.1	0.2	0.3	0.1	0.1	0.1	0.1	0.1	0.2	0.2		0.2	0.7	1.2	1.2	1.6	1.3	
5253	0.0	0.1	0.2	0.1		0.1		0.2	0.4	0.8	1.2	1.2	1.2	1.3	1.6	1.7	1.8	1.7	1.4	1.4	2.0	2.3	3.0	2.6	2.5	
567					0.1	0.2	0.2	0.1	0.2	0.4	0.7	0.9	0.8	0.7	0.6	0.6	0.8	0.9	0.9	1.1	1.4	2.3	2.6	2.8	2.5	
573	0.0	0.2	0.3	0.4		0.9		1.4	2.0	3.0	4.6	5.1	5.1	5.1		5.0		5.1	5.3	5.6	6.2	7.0	7.3	8.2	8.4	
575								0.1	0.3	0.6	0.8	1.0	0.9	0.7	0.8	0.9	1.2	1.3	1.5	1.5	1.7	2.5	2.7	2.2	1.9	
5457					0.2	0.2	0.2	0.6	1.0	1.3	1.3	1.2	1.2	1.1	1.1	1.1	1.0	1.1	1.6	1.9	2.4	2.9	2.4	1.8	1.8	
577								0.2	0.4	0.9	1.0	1.1	0.6	0.6	0.8	0.8	0.8	0.8		1.5	1.7	1.7	1.6	1.5	1.5	
579								0.4	0.3	0.8	1.1	1.5	1.4	1.4	1.5	1.7	2.0	2.3	2.3	2.7	2.3	2.7	3.8	4.4	3.8	
581	0.1	0.2	0.3	0.7	0.8	0.8	1.0	1.3	1.6	2.4	2.7	3.1	3.1	2.8	2.7	2.0	1.9	1.8	1.6	1.9	2.7		3.0	3.6	3.1	
583								0.2	0.2	0.6	0.8	0.8	0.6	0.4	0.3	0.4	0.4	0.5	0.5	0.5	0.9	1.5	1.9	1.3		
585	0.1	0.0	0.1	0.3	0.5	0.6	0.9	2.4	0.1	0.2	0.4	0.5	0.4	0.4	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.6	0.8	0.8	0.8	
587	0.1	0.2	0.6	1.0	0.4	0.4	0.3	0.4	0.6	0.6	0.5	0.4	0.4	0.4	0.6	0.6	0.6	0.5	0.6	0.8	1.3	1.4	1.8	1.8	1.3	
589	0.0	0.2	0.3	0.2	0.3	0.4	0.6	0.8	0.1	0.2	0.3	0.3	0.3	0.4	0.5	0.6	0.7	0.8	1.0	1.3	1.0	1.7	1.6	1.6	1.3	
591	0.0	0.7	1.2	1.6	0.7	0.6	0.7	0.8	0.1	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.0	

Lansdale/Doylestown Line — Proposed Schedule

This is Will Entriken's proposed schedule change. With this new schedule, the trains would continue to arrive as they currently do. The passengers would show up a little later and avoid waiting for commonly delinquent trains.

Options for this report

» Start date: 2011-08-28 » End date: 2011-11-07 » Service schedule: S1 » Report run time: 2011-11-07 21:06:41

» Proposed changes are highlighted

» Change is recommended when over 90% of trains are late for a stop

Inbound Service

Train Number	Doylestown	Delaware Valley College	New Britain	Chalfont	Link Belt	Colmar Fortuna	Lansdale	Pennbrook	North Wales	Gwynedd Valley	Pennlyn	Ambler	Fort Washington	Oreland Hills	North Hills	Glenside	Jenkintown Wyncote	Elkins Park	Melrose Park	Fern T C	Wayne Junction Broad	North Broad	Temple University	Market East	Suburban Station	
501							5:17	5:19	5:22	5:24	5:28	5:31	5:34	5:38	5:40	5:43	5:46	5:49	5:53	5:56	6:01	6:03	6:09	6:13		
503	5:25	5:27	5:30	5:35	5:38	5:41	5:43	5:48	5:51	5:54	5:57	6:00	6:03	6:06	6:10	6:12	6:15	6:18	6:21	6:25	6:28	6:33	6:36	6:43	6:45	
507	6:12	6:15	6:18	6:23	6:26	6:29	6:31	6:36	6:39	6:43	6:45	6:51	6:54										7:20	7:25		
509							6:49	6:51	6:54	6:57	7:00	7:03	7:06	7:10	7:12	7:14				7:22			7:31	7:37	7:42	
5711	6:41	6:44	6:47	6:52	6:56	6:59	7:01	7:06	7:09	7:13	7:15	7:21	7:24										7:51	7:56		
513							7:14	7:16	7:19	7:22	7:25	7:28	7:31	7:35	7:37	7:41	7:44			7:50		7:59	8:01	8:07	8:12	
6595	7:02	7:06	7:09	7:14	7:18	7:21	7:23	7:30	7:33	7:37	7:40	7:46	7:49										8:11	8:17	8:22	
515							7:50	7:52	7:55	7:58	8:01	8:04	8:07	8:10	8:12	8:16			8:51	8:55	9:00		9:06	9:12	9:16	
6517	7:54	7:58	8:00	8:04		8:13	8:18	8:21	8:24	8:27	8:30	8:33	8:36	8:40	8:42	8:45	8:48						9:34	9:40	9:45	
519							8:45	8:54	8:57	9:00	9:03	9:06	9:09	9:12	9:14	9:17	9:20			9:26	9:29	10:02	10:04	10:10	10:15	
521	8:58	9:02	9:04	9:08		9:15	9:21	9:23	9:26	9:28	9:32	9:35	9:38	9:41	9:43	9:46	9:49			9:55	9:58	10:02	10:04	10:10	10:15	
523							9:50	9:54	9:57	9:59	10:03	10:06	10:09	10:12	10:14	10:17	10:20			10:26	10:29	10:34	10:34	10:40	10:45	
525	9:55	9:58	10:00	10:04		10:12	10:17	10:23	10:26	10:28	10:32	10:35	10:38	10:41	10:43	10:45	10:49			10:55	10:58	11:03	11:05	11:10	11:15	
527							10:45	10:54	10:57	10:59	11:03	11:06	11:09	11:12	11:14	11:17	11:20			11:26	11:29	12:04	12:04	12:10	12:15	
529	10:57	11:01	11:03	11:07		11:14	11:19	11:23	11:26	11:28	11:32	11:35	11:38	11:41	11:43	11:46	11:49			11:55	11:58	12:02	12:04	12:10	12:15	
531							11:45	11:54	11:57	11:59	12:03	12:06	12:09	12:12	12:14	12:17	12:20			12:26	12:29	12:34	12:34	12:40	12:45	
533	11:57	12:01	12:03	12:07		12:14	12:21	12:23	12:26	12:28	12:32	12:35	12:38	12:41	12:43	12:46	12:49			12:55	12:58	13:02	13:04	13:10	13:15	
535							12:52	12:54	12:57	12:59	13:03	13:06	13:09	13:12	13:14	13:17	13:20			13:26	13:29	13:34	13:34	13:40	13:45	
537	12:57	13:01	13:03	13:07		13:14	13:21	13:23	13:26	13:28	13:32	13:35	13:38	13:41	13:43	13:46	13:49			13:55	13:58	14:02	14:04	14:10	14:15	
539							13:52	13:54	13:57	13:59	14:03	14:06	14:09	14:12	14:14	14:17	14:20			14:26	14:29	14:54	15:04	15:10	15:15	
541	13:57	14:01	14:03	14:07		14:14	14:21	14:23	14:26	14:29	14:32	14:35	14:38	14:41	14:43	14:46	14:49			14:55	14:58	15:02	15:04	15:10	15:15	
545							14:53	14:55	14:58	15:01	15:05	15:09	15:13	15:17	15:19	15:23	15:26			15:33	15:36	16:07	16:09	16:16	16:21	
551	14:57	15:01	15:03	15:07		15:14	15:23	15:25	15:28	15:31	15:34	15:37	15:40	15:43	15:45	15:48	15:51			15:58	16:01	16:07	16:09	16:16	16:21	
553							15:47	15:49	15:52	15:55	15:59	16:02	16:05	16:08	16:10	16:13	16:16			16:22	16:26	16:31	16:33	16:39	16:44	
5253	15:55	15:59	16:01	16:05		16:11	16:17	16:19	16:22	16:25	16:28	16:31	16:34	16:37	16:39	16:42	16:45			16:49	16:52	16:55	17:01	17:09	17:14	
567							16:47	16:49	16:52	16:54	16:58	17:01	17:04	17:08	17:10	17:13	17:16			17:20	17:23	17:26	17:30	17:32	17:39	17:44
573	16:53	16:57	16:59	17:03		17:15	17:21	17:23	17:26	17:29		17:34	17:37			17:43	17:46			17:49	17:53	17:56	18:01	18:02	18:07	18:12
575							17:48	17:50	17:53	17:56	17:59	18:02	18:05	18:08	18:10	18:13	18:16			18:19	18:23	18:26	18:30	18:32	18:40	18:45
5457							18:03	18:05	18:08	18:12	18:15	18:18	18:21	18:24	18:26	18:30	18:33	18:35			18:39	18:42	18:48	18:55	19:00	
577							18:16	18:18	18:21	18:24	18:27	18:31	18:34	18:37	18:39	18:42	18:45			18:51	18:54	19:00	19:02	19:10	19:15	
579							18:52	18:54	18:57	18:59	19:03	19:06	19:09	19:12	19:14	19:17	19:20			19:26	19:29	19:34	19:40	19:45		
581	19:10	19:13	19:16	19:20	19:25	19:26	19:28	19:32	19:34	19:37	19:40	19:43	19:46	19:49	19:52	19:54	19:57	20:00		20:05	20:08	20:12	20:14	20:20	20:25	
583							19:52	19:54	19:57	19:59	20:03	20:06	20:09	20:12	20:14	20:17	20:20			20:26	20:29	20:34	20:40	20:40	20:45	
585	19:42	19:46	19:48	19:52	19:58	20:00	20:02	20:08	20:23	20:26	20:29	20:32	20:35	20:38	20:41	20:43	20:46	20:49		20:55	20:58		21:04	21:10	21:15	
587	20:38	20:42	20:44	20:48	20:59	21:01	21:03	21:07	21:23	21:26	21:29	21:32	21:35	21:38	21:41	21:43	21:46	21:49		21:55	21:58	22:02	22:04	22:10	22:15	
589	21:39	21:43	21:45	21:49	22:00	22:02	22:04	22:08	22:23	22:26	22:28	22:32	22:35	22:38	22:41	22:43	22:46	22:49		22:55	22:58		23:04	23:10	23:15	
591	22:39	22:43	22:45	22:49	23:00	23:02	23:04	23:08	23:23	23:26	23:29	23:32	23:35	23:38	23:41	23:43	23:46	23:49		23:54	23:58	19:00	19:00	19:00	19:00	

Media/Elwyn Line — Average Lateness (mins.)

Options for this report
» Start date: 2011-08-28 » End date: 2011-11-07 » Service schedule: S1 » Report run time: 2011-11-07 21:06:41
» Stops averaging 3+ minutes late are highlighted

Inbound Service

Train Number	Elwyn	West Trenton	Media Yardley	Moylan-Rose Valley	Woodbourne	Wallingford	Langhorne	Swarthmore	Neshaminy	Morton-Rutledge	Trevoze Secane	Somerton	Primos	Forest Hills	Clifton-Aldan	Philmont	Gladstone	Bethayres	Lansdowne	Meadowbrook	Fernwood-Yeadon	Rydal	Angora	Noble	49th Street	Jenkintown	Wyncote
326	0.9		0.9		0.8			0.9		1.1	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.5	1.5		1.9	2.2	2.2	2.1			
328	0.9		0.7	0.5	0.6			0.7		0.8	1.0	1.0	1.0	1.1	1.1	1.3	1.3	1.6	1.6		2.0	2.3	2.3	2.2			
313		0.1	0.1		0.1		0.2		0.3		0.5	1.1		1.3		1.4		1.8		2.0	2.3		2.4			2.5	
330	0.7		0.7	0.8	1.0			1.0		1.1	1.3	1.3	1.3	0.1	0.1	1.5	1.5	1.8	0.7		2.2	2.4	0.8	2.5			
3524	1.5		0.3							0.1	0.1	0.1	0.0	0.9	0.1	0.3	0.3				0.9			0.7			
9334		0.1		0.3	0.4			0.5		0.6	0.8																
3224	0.2		0.3							1.1	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.8	1.8		2.0	2.1	2.1	1.7			
338											0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.6	0.6		0.8	0.9	0.8				
9340	0.0		0.4	0.8	1.2			0.6		0.4	0.4					0.1	0.1	0.3	0.3		0.6	0.8		0.7			
3242											0.0	0.0	0.0	0.0	0.0												
3738	0.8		1.0	1.2	1.3			1.4		1.6	1.8																
9344	1.0		1.3	1.3	1.4			1.3		1.1	1.1		1.0	0.9	0.9	0.9	1.1	1.1	1.1		1.2	1.2	1.2	0.9			
3730	0.1		0.4	0.8	1.1			1.2		1.7	2.0	2.1	2.1	2.8	3.6	3.6	3.6	3.6	3.6		4.4	4.7	4.7	4.3			
9348	0.6		0.2	0.2	0.2			0.2		0.2	0.2	0.5	0.5	1.0	1.0	1.0	1.0	1.0	1.0		1.6	1.7	1.7	1.2			
9350	0.0		0.0	0.0	0.0			0.0		0.0	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.5	0.5		0.7	0.6	0.6	0.4			
9352	0.0		0.1	0.2	0.3			0.4		0.5	0.6	0.7	0.7	1.0	1.0	1.0	1.0	1.5	1.5		2.0	2.1	2.1	2.0			
9354	0.0		0.0	0.1	0.1			0.2		0.2	0.2	0.2	0.2	0.4	0.4	0.7	0.7	0.7	0.7		1.0	1.2	1.2	0.9			
3240	0.0		0.1	0.2	0.3			0.3		0.4	0.3	0.4	0.4	0.5	0.5	0.6	0.6	0.6	0.6		0.8	0.9	0.9	0.8			
9356	0.3		0.2	0.1	0.1			0.1		0.2	0.2	0.2	0.2	0.4	0.4	0.5	0.5	0.5	0.5		0.6	0.6	0.6	0.4			
3596	0.6		0.0	0.0	0.0			0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0			
376	0.0		0.1	0.3	0.3			0.2		0.2	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.3		0.5	0.5	0.5	0.4			
380	0.0		0.1	0.3	0.4			0.3		0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.4	0.4		0.4	0.4	0.4	0.3			
384	0.1		0.2	0.3	0.4			0.4		0.3	0.4	0.4	0.4	0.5	0.5	0.7	0.7	0.9	0.9		0.9	0.7	0.7	0.5			
386	0.1		0.9	1.3	1.3			1.2		0.9	1.0	1.0	1.0	0.9	0.9	0.8	0.8	1.0	0.9		0.8	0.8	0.8	0.6			
388	0.0		0.0	0.1	0.1			0.0		0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2		0.3	0.2	0.2	0.2			
390	0.2		0.3	0.7	1.4			2.2		2.6	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4		2.5	2.6	2.6	2.6			
392	0.4		1.6	2.6	3.5			3.8		3.6	3.8	4.1	4.1	4.1	4.1	4.1	4.1	4.3	4.3		4.3	4.3	4.3	4.2			
394	0.0		0.3	0.4	0.4			0.1		0.2	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.6	0.6		0.7	0.6	0.6	0.6			
396	0.2		0.1	0.1	0.1			0.2		0.2	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.5	0.5		0.6	0.6	0.6	0.5			
398	0.0		0.1	0.1	0.1			0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1		0.1	0.0	0.0	0.0			

Media/Elwyn Line – Proposed Schedule

This is Will Entriken's proposed schedule change. With this new schedule, the trains would continue to arrive as they currently do. The passengers would show up a little later and avoid waiting for commonly delinquent trains.

Options for this report

» Start date: 2011-08-28 » End date: 2011-11-07 » Service schedule: S1 » Report run time: 2011-11-07 21:06:43

» Proposed changes are highlighted

» Change is recommended when over 90% of trains are late for a stop

Inbound Service

Train	Elwyn	West Trenton	Media Yardley	Moyle-Rose Valley	Woodbourne	Wallingford	Langhorne	Swarthmore	Neshaminy	Morton-Rutledge	Trevose	Secane	Somerton	Primos	Forest Clifton Hills	Philmont	Gladstone	Bethayres	Lansdowne	Meadowbrook	Fermwood-Yeaddon	Rydal	Angora	Noble	Street	Jenkinton	49th Wyncote
326	5:35		5:39	5:41		5:43		5:46		5:49	5:52	5:54	5:54	5:54	5:56	5:58	6:00	6:00	6:00	6:02	6:04	6:04	6:07				
328	6:07		6:11	6:13		6:15		6:18		6:21	6:24	6:26	6:26	6:26	6:28	6:30	6:32	6:32	6:32	6:34	6:36	6:36	6:39				
313		5:47			5:56		6:00		6:04		6:06	6:10	6:10	6:11	6:11	6:13	6:17			6:19		6:21	6:23			6:27	
330	6:35		6:39	6:41		6:43		6:46		6:49	6:52	6:54	6:54	6:54	6:56	6:58	7:00	7:00	7:02	7:02	7:04	7:04	7:07				
3524	7:00		7:04							7:10	7:13	7:15	7:15	7:15	7:17	7:19	7:21	7:21	7:23	7:23	7:25	7:25	7:28				
9334			7:13	7:15		7:17		7:20		7:23	7:26																
3224	7:17		7:21							7:27	7:30	7:32	7:32	7:34	7:34	7:36	7:38	7:38	7:40	7:40	7:42	7:42	7:45				
338										7:59	8:03	7:47	7:49	7:51	7:51	7:53	7:55	7:55	7:57	7:57	7:59	8:02					
9340	7:40		7:44	7:46		7:49		7:54			8:10	8:12		8:12	8:14	8:16	8:18	8:18	8:20	8:20	8:22	8:22	8:25				
3242										8:31	8:34	8:36		8:36	8:38	8:40	8:42	8:42	8:44	8:46	8:48	8:50	8:52	9:01			
3738	8:17		8:21	8:23		8:25		8:28		8:31	8:34	8:36		8:36	8:38	8:40	8:42	8:42	8:44	8:46	8:48	8:50	8:52	9:01			
8:29			8:33	8:35		8:37		8:40		8:43	8:46	8:48	9:16	9:16	9:17	9:19	9:20	9:20	9:23	9:23	9:25	9:25	9:28				
3730	8:58		9:02	9:04		9:06		9:08		9:11	9:14	9:16		9:16	9:17	9:19	9:20	9:20	9:23	9:23	9:25	9:25	9:28				
9348	9:41		9:45	9:47		9:49		9:51		9:54	9:57	9:59		9:59	10:00	10:01	10:02	10:02	10:05	10:05	10:06	10:06	10:09				
9350	10:41		10:45	10:47		10:49		10:51		10:54	10:57	10:59		10:59	11:01	11:01	11:03	11:03	11:05	11:05	11:07	11:07	11:10				
9352	11:41		11:45	11:47		11:49		11:51		11:54	11:57	11:59		11:59	12:01	12:02	12:03	12:03	12:05	12:05	12:07	12:07	12:10				
9354	12:42		12:46	12:48		12:50		12:52		12:55	12:58	13:00		13:00	13:02	13:03	13:04	13:04	13:06	13:06	13:08	13:08	13:11				
3340	13:44		13:48	13:50		13:52		13:54		13:57	14:00	14:02		14:02	14:04	14:05	14:06	14:06	14:08	14:10	14:10	14:13					
9356	14:42		14:46	14:48		14:50		14:52		14:55	14:58	15:00		15:00	15:02	15:03	15:04	15:04	15:06	15:08	15:08	15:11					
3596	15:30		15:34	15:36		15:38		15:41		15:44	15:46	15:48		15:48	15:51	15:52	15:54	15:54	15:56	15:58	15:58	16:01					
376	16:10		16:14	16:16		16:18		16:21		16:24	16:27	16:29		16:29	16:31	16:33	16:35	16:35	16:37	16:39	16:42	16:42	16:45				
380	16:38		16:42	16:44		16:46		16:49		16:52	16:55	16:57		16:57	16:59	17:01	17:03	17:03	17:05	17:07	17:07	17:10					
384	17:04		17:08	17:10		17:12		17:15		17:18	17:21	17:23		17:23	17:25	17:27	17:29	17:29	17:31	17:33	17:33	17:36					
386	17:43		17:47	17:49		17:51		17:54		17:57	18:00	18:02		18:02	18:04	18:06	18:08	18:08	18:10	18:12	18:12	18:15					
388	18:35		18:39	18:43		18:46		18:49		18:52	18:54	18:56		18:56	18:58	18:57	18:58	18:58	19:00	19:02	19:02	19:05					
390	19:17		19:21	19:23		19:25		19:28		19:31	19:34	19:36		19:36	19:37	19:39	19:40	19:40	19:42	19:44	19:44	19:47					
392	20:04		20:08	20:10		20:12		20:15		20:18	20:21	20:23		20:23	20:24	20:26	20:27	20:27	20:29	20:29	20:31	20:31	20:34				
394	21:04		21:08	21:10		21:12		21:15		21:18	21:21	21:23		21:23	21:24	21:26	21:27	21:27	21:29	21:29	21:31	21:31	21:34				
396	22:04		22:08	22:10		22:12		22:15		22:18	22:21	22:23		22:23	22:24	22:26	22:27	22:27	22:29	22:29	22:31	22:31	22:34				
398	23:04		23:08	23:10		23:12		23:15		23:18	23:21	23:23		23:23	23:24	23:26	23:27	23:27	23:29	23:29	23:31	23:31	23:34				

Fox Chase Line — Average Lateness (mins.)

Options for this report

» Start date: 2011-08-28 » End date: 2011-11-07 » Service schedule: S1 » Report run time: 2011-11-07 21:06:42
» Stops averaging 3+ minutes late are highlighted

Inbound Service

Train Number	Fox Chase	Chestnut Hill West	Ryers	Highland	Cheltenham	St. Martins	Lawndale	Allen Lane	Olney	Carpenter	Upsal	Wayne Junction	Temple University	Tulpehocken	Market East	Chelten Avenue	Queen Lane	North Philadelphia	30th Street Station	Suburban Station
805	0.2		0.4		0.5		0.7		0.9			1.5	3.7		4.0				3.1	3.1
807	0.0		0.0		0.2		0.3		0.6				3.1		3.5				3.0	3.0
809	0.5		0.6		0.9		1.4		2.2			2.8	5.0		5.8				5.3	5.3
811	0.8		1.0		1.2		1.6		2.2				5.3		5.9				5.3	5.3
813	0.2		0.1		0.1		0.6		0.7				1.9		2.0				1.8	1.8
8721	0.0		0.0		0.0		0.1		0.3			0.7	1.4		1.3				1.0	1.0
822		1.1		1.4		2.3		3.2		4.3	5.1			5.5		5.7	5.8		5.2	6.0
8517	0.4											1.1	3.7		4.4				4.0	4.0
819	0.0		0.0		0.3		0.3		0.3		1.0	0.9	3.1		3.4	1.0	1.0	1.0	1.0	2.3
826		0.6		0.6		0.9		0.9		0.9				1.0		1.0	1.0		1.0	1.3
823												0.7	1.4							1.4
828		0.3		0.3		0.4		0.4		0.4				0.4		0.4	0.4	0.4	0.3	0.6
827												0.2	0.6		0.7	0.7	0.7	0.7	0.8	0.8
830		0.4		0.4		0.6		0.7		0.7										
829												0.1	0.3		0.2				0.8	0.8
832		0.9		1.0		1.0		1.2		1.2	1.2			1.2		1.2	1.2	1.2	1.2	1.6
831												0.2	0.5		0.5					0.6
834		0.8		0.8		1.0		1.0		1.0	1.0			1.0		0.9	0.9	0.9	1.4	2.0
833												0.5	1.3		1.8				1.6	1.6
835												0.9	1.9		2.3				1.6	1.6
839	0.9		1.0		1.3		1.5		1.4			1.6	2.3		2.0				1.4	1.4
8749	0.4		0.6		0.7		1.1		1.3			2.2	2.3		2.4				1.9	1.9
8453	0.3		0.4		0.4		1.0		1.1				3.9		5.0				4.2	4.2
849	0.4		0.5		0.8		1.4		1.6			1.8	4.1		3.0				2.0	2.0
853	0.5		0.5		0.7		1.0		1.0			1.6	2.6		2.4				1.8	1.8
857	0.4		0.3		0.4		0.5		0.4			0.8	1.5		1.3				0.9	0.9
861	0.4		0.4		0.6		0.6		0.4				0.8		0.6				0.4	0.4
865	0.3		0.3		0.3		0.3		0.3				0.3		0.2				0.1	0.1
867	0.2		0.1		0.1		0.1		0.0				0.2		0.3				0.2	0.2

Fox Chase Line — Proposed Schedule

This is Will Entriken's proposed schedule change. With this new schedule, the trains would continue to arrive as they currently do. The passengers would show up a little later and avoid waiting for commonly delinquent trains.

Options for this report

- » Start date: 2011-08-28 » End date: 2011-11-07 » Service schedule: S1 » Report run time: 2011-11-07 21:06:43
- » Proposed changes are highlighted
- » Change is recommended when over 90% of trains are late for a stop

Inbound Service

Train Number	Fox Chase	Chestnut Hill West	Ryers	Highland	Cheltenham	St. Martins	Lawndale	Allen Lane	Olney	Carpenter	Upsal	Wayne Junction	Temple University	Tulpehocken	Market East	Chelton Avenue	Queen Lane	North Philadelphia	30th Street Station	Suburban Station
805	5:49		5:51		5:53		5:56		5:59			6:04	6:10		6:15					6:20
807	6:17		6:19		6:21		6:24		6:27				6:38		6:43					6:48
809	6:47		6:49		6:51		6:54		6:57			7:03	7:09		7:14					7:18
811	7:15		7:17		7:19		7:22		7:26				7:38		7:43					7:47
813	7:43		7:46		7:48		7:51		7:55				8:07		8:13					8:18
8721	8:11		8:13		8:16		8:19		8:23			8:31	8:37		8:43					8:48
822		8:36		8:37		8:39		8:41		8:43	8:46			8:48		8:50	8:52		9:06	9:11
8517	8:46											9:02	9:09		9:14					9:18
819	9:11		9:13		9:15		9:17		9:21			9:26	9:32		9:38					9:43
826		9:57		9:58		9:59		10:01		10:02	10:03			10:05		10:07	10:09	10:12	10:24	10:29
823																				10:42
828		10:57		10:58		10:59		11:01		11:02	11:03			11:05		11:07	11:09	11:12	11:24	11:29
827												11:38	11:43		11:50					11:55
830		11:57		11:58		11:59		12:01		12:02	12:03			12:05		12:07	12:09	12:12	12:24	12:29
829												12:38	12:43		12:50					12:55
832		12:52		12:54		12:55		12:56		12:57	12:58			13:01		13:03	13:05	13:08	13:19	13:24
831												13:38	13:43		13:50					13:55
834		13:51		13:52		13:53		13:55		13:56	13:57			13:59		14:01	14:03	14:06	14:18	14:23
833												14:25	14:30		14:36					14:41
835												15:20	15:25		15:32					15:37
839	16:07		16:09		16:11		16:13		16:17											
8749	16:54		16:56		16:58		17:06		17:10			16:23	16:29		16:36					16:41
8453	17:26		17:28		17:30		17:37		17:41			17:15	17:22		17:31					17:36
849	18:13		18:15		18:17		18:23		18:27				17:51		17:56					18:00
853	19:08		19:10		19:12		19:14		19:18			18:32	18:37		18:43					18:48
857	20:20		20:22		20:24		20:26		20:30			19:23	19:29		19:35					19:40
												20:35	20:41		20:47					20:52
861	21:20		21:22		21:24		21:26		21:30				21:41		21:47					21:52
865	22:20		22:22		22:24		22:26		22:30				22:41		22:47					22:52
867	23:20		23:22		23:24		23:26		23:30				23:41		23:47					23:52

Manayunk/Norristown Line — Average Lateness (mins.)

Options for this report

» Start date: 2011-08-28 » End date: 2011-11-07 » Service schedule: S1 » Report run time: 2011-11-07 21:10:31

» Stops averaging 3+ minutes late are highlighted

Inbound Service

[illegible]

Paoli/Thorndale Line — Average Lateness (mins.)

Options for this report:

» Start date: 2011-08-28 » End date: 2011-11-07 » Service schedule: S1 » Report run time: 2011-11-07 21:10:35

- » Stops averaging 3+ minutes late are highlighted

Inbound Service

[illegible]

Paoli/Thorndale Line — Proposed Schedule

This is Will Entriken's proposed schedule change. With this new schedule, the trains would continue to arrive as they currently do. The passengers would show up a little later and avoid waiting for commonly delinquent trains.

Options for this report

» Start date: 2011-08-28 » End date: 2011-11-07 » Service schedule: S1 » Report run time: 2011-11-07 21:10:34

» Proposed changes are highlighted

» Change is recommended when over 90% of trains are late for a stop

Inbound Service

Train Number	Thorndale	Downingtown	Whitford	Exton	Malvern	Paoli	Daylesford	Berwyn	Devon	Stratford	Wayne	St. Davids	Radnor	Villanova	Rosemont	Bryn Mawr	Haverford	Ardmore	Wynnewood	Narberth	Merion	Overbrook	30th Street Station	Suburban Station
514	4:58	5:02	5:08	5:10	5:16	5:20	5:22	5:24	5:26	5:28	5:30	5:32	5:34	5:36	5:38	5:40	5:42	5:44	5:46	5:48	5:50	5:52	6:02	6:07
516					5:44	5:48	5:50	5:52	5:54	5:56	5:58	6:00	6:02	6:04	6:07	6:10	6:12	6:14	6:17	6:19	6:21	6:23	6:33	6:38
5712	5:49	5:53	5:59	6:01	6:08	6:12	6:14	6:16	6:18	6:21	6:23	6:25	6:27	6:29	6:32	6:35							6:50	6:55
522																6:43	6:45	6:47	6:50	6:52	6:54	6:56	7:06	7:11
5714	6:14	6:18	6:24	6:26	6:33	6:37	6:40	6:42	6:45	6:48	6:50	6:52	6:54	6:56	6:59	7:01							7:16	7:21
5408																7:08	7:10	7:12	7:15	7:18	7:20	7:23	7:33	7:38
9524					6:57	7:01	7:03	7:06	7:08	7:10	7:12	7:14	7:16	7:18	7:21	7:25							7:39	7:44
9526	6:55	6:59	7:05	7:08	7:16	7:21																	7:46	7:51
5728																7:35	7:37	7:39	7:42	7:44	7:46	7:48	7:58	8:03
9530						7:27	7:29	7:31	7:33	7:36	7:38	7:40	7:42	7:44	7:47	7:49							8:03	8:08
9534	7:14	7:18	7:24	7:26	7:33	7:37	7:39	7:41	7:43	7:46	7:48					7:54	7:56	7:58	8:00	8:02	8:04		8:16	8:21
9536					7:40	7:44	7:46	7:48	7:50	7:53	7:55	7:57	7:59	8:01	8:04	8:06						8:14	8:24	8:29
9508																8:10	8:12	8:14	8:17	8:19	8:21	8:23	8:33	8:38
9538	7:38	7:45	7:50	7:53	8:00	8:04	8:06	8:08	8:10	8:13	8:15												8:38	8:43
540						8:13					8:20	8:22	8:24	8:26	8:29	8:31			8:46	8:48	8:50	8:52	9:02	9:07
9510																8:39	8:41	8:43	8:46				9:13	9:18
542	8:14	8:18	8:24	8:26	8:33	8:37	8:39	8:41	8:43	8:46	8:48	8:50	8:52	8:54	8:57	8:59							9:30	9:45
544					8:54	8:58	9:00	9:02	9:04	9:06	9:08	9:10	9:12	9:14	9:16	9:18	9:20	9:22	9:24	9:26	9:28	9:30	10:15	10:20
546	9:10	9:17	9:22	9:24	9:30	9:34	9:36	9:38	9:40	9:42	9:44	9:46	9:48	9:50	9:52	9:54	9:56	9:58	10:00	10:01	10:03	10:05	10:45	10:50
548					10:00	10:04	10:06	10:08	10:10	10:12	10:14	10:16	10:18	10:20	10:22	10:24	10:26	10:28	10:30	10:31	10:33	10:35	11:15	11:20
550	10:13	10:17	10:22	10:24	10:30	10:34	10:36	10:38	10:40	10:42	10:44	10:46	10:48	10:50	10:52	10:54	10:56	10:58	11:00	11:01	11:03	11:05	11:45	
552					10:55	10:59	11:01	11:03	11:05	11:07	11:09	11:11	11:13	11:15	11:17	11:19	11:21	11:23	11:25	11:26	11:28	11:30	11:40	11:45
554	11:10	11:17	11:22	11:24	11:30	11:34	11:36	11:38	11:40	11:42	11:44	11:46	11:48	11:50	11:52	11:54	11:56	11:58	12:00	12:01	12:03	12:05	12:15	12:20
556					12:00	12:04	12:06	12:08	12:10	12:12	12:14	12:16	12:18	12:20	12:22	12:24	12:26	12:28	12:30	12:31	12:33	12:35	12:45	12:50
558	12:10	12:17	12:22	12:24	12:30	12:34	12:36	12:38	12:40	12:42	12:44	12:46	12:48	12:50	12:52	12:54	12:56	12:58	13:00	13:01	13:03	13:05	13:15	13:20
560					13:04	13:08	13:10	13:12	13:14	13:16	13:18	13:20	13:22	13:24	13:26	13:28	13:30	13:32	13:34	13:35	13:37	13:39	13:49	13:54
562	13:10	13:14	13:19	13:21	13:27	13:31	13:33	13:35	13:37	13:39	13:41	13:43	13:45	13:47	13:49	13:51	13:53	13:55	13:57	13:58	14:00	14:02	14:12	14:17
564					13:57	14:01	14:03	14:05	14:07	14:09	14:11	14:13	14:15	14:17	14:19	14:21	14:23	14:25	14:27	14:28	14:30	14:32	14:42	14:47
5368	14:17	14:24	14:29	14:31	14:37	14:41	14:43	14:45	14:47	14:49	14:51	14:53	14:55	14:57	14:59	15:01	15:03	15:05	15:07	15:08	15:10	15:12	15:22	15:27
568					15:00	15:04	15:06	15:08	15:10	15:12	15:14	15:16	15:18	15:20	15:22	15:24	15:26	15:28	15:30	15:31	15:33	15:35	15:45	15:50
570	15:13	15:17	15:22	15:24	15:30	15:34	15:36	15:38	15:40	15:42	15:44	15:46	15:48	15:50	15:52	15:54	15:56	15:58	16:00	16:01	16:03	16:05	16:15	16:21
574					15:58	16:02	16:04	16:06	16:08	16:10	16:12	16:14	16:16	16:18	16:20	16:23	16:25	16:27	16:29	16:31	16:33	16:35	16:45	16:50
578	16:05	16:09	16:14	16:16	16:22	16:26	16:28	16:30	16:32	16:35	16:37	16:39	16:41	16:45	16:47	16:53	16:55	16:57	16:59	17:01	17:03	17:05	17:15	17:20
580	16:41	16:45	16:50	16:52	16:58	17:02	17:04	17:06	17:08	17:11	17:13	17:15	17:17	17:19	17:21	17:24	17:26	17:28	17:30	17:32	17:34	17:36	17:46	17:51
582					17:29	17:33	17:35	17:37	17:39	17:42	17:44	17:46	17:48	17:50	17:53	17:55	17:57	17:59	18:01	18:03	18:05	18:07	18:17	18:22
584	17:39				17:56	18:00	18:02	18:04	18:06	18:09	18:11	18:13	18:15	18:17	18:19	18:22	18:24	18:26	18:29	18:31	18:33	18:35	18:45	18:50
586					18:30	18:34	18:36	18:38	18:40	18:42	18:44	18:46	18:48	18:50	18:52	18:54	18:56	18:58	19:00	19:01	19:03	19:05	19:15	19:20
588					19:00	19:04	19:06	19:08	19:10	19:12	19:14	19:16	19:18	19:20	19:22	19:24	19:26	19:28	19:30	19:31	19:33	19:35	19:45	19:50
592					20:00	20:04	20:06	20:08	20:10	20:12	20:14	20:16	20:18	20:20	20:22	20:24	20:26	20:28	20:30	20:31	20:33	20:35	20:45	20:50
594	20:43	20:47	20:52	20:54	21:00	21:04	21:06	21:08	21:10	21:12	21:14	21:16	21:18	21:20	21:22	21:24	21:26	21:28	21:30	21:31	21:33	21:35	21:45	21:50
596	21:48	21:52	21:57	21:59	22:05	22:09	22:11	22:13	22:15	22:17	22:19	22:21	22:23	22:25	22:27	22:29	22:31	22:33	22:35	22:36	22:38	22:40	22:50	22:55

Wilmington/Newark Line — Average Lateness (mins.)

Options for this report -

» Start date: 2011-08-28 » End date: 2011-11-07 » Service schedule: S1 » Report run time: 2011-11-07 21:10:34

» Stops averaging 3+ minutes late are highlighted

Inbound Service

[illegible]

Wilmington/Newark Line — Proposed Schedule

This is Will Entriken's proposed schedule change. With this new schedule, the trains would continue to arrive as they currently do. The passengers would show up a little later and avoid waiting for commonly delinquent trains.

Options for this report

» Start date: 2011-08-28 » End date: 2011-11-07 » Service schedule: S1 » Report run time: 2011-11-07 21:10:35

» Proposed changes are highlighted

» Change is recommended when over 90% of trains are late for a stop

Inbound Service

Train Number	Newark	Churchman's Crossing	Wilmington	Claymont	Marcus Hook	Highland Avenue	Chester	Eddystone	Crum Lynne	Ridley Park	Prospect Park - Moore	Norwood	Glenolden	Folcroft	Sharon Hill	Curtis Park	Darby	University City	30th Street Station	Suburban Station
216			6:03	6:11	5:50	5:53	5:56	5:58	6:01	6:03	6:05	6:06	6:08	6:10	6:12	6:14	6:16	6:23	6:26	6:31
220					6:15	6:18	6:21	6:23	6:26	6:28	6:30	6:31	6:33	6:35	6:37	6:39	6:41	6:52	6:57	7:02
2718	6:20		6:38	6:49	6:53	6:56	6:59	7:01	7:04	7:06	7:08	7:09	7:11	7:13	7:15	7:17	7:19	7:30	7:33	7:38
9212	6:46		7:05	7:16	7:20					7:28		7:30						7:44	7:48	7:53
9214					7:28	7:31	7:35	7:38	7:41	7:43	7:45	7:46	7:48	7:50	7:52	7:54	7:56	8:06	8:09	8:14
9230	8:17		8:39	8:48	8:51	8:54	8:57		9:00	9:02	9:04	9:05	9:07	9:09	9:11	9:13	9:15	9:24	9:27	9:32
9220	8:58		9:16	9:25	9:29	9:32	9:35	9:37	9:39	9:41	9:43	9:45	9:47	9:49	9:51	9:53	9:55	10:05	10:08	10:13
9222					10:02	10:05	10:08	10:10	10:12	10:14	10:16	10:17	10:19	10:20	10:22	10:23	10:25	10:35	10:38	10:43
9234			10:47	10:55	10:59	11:02	11:05	11:07	11:09	11:11	11:13	11:14	11:16	11:17	11:19	11:20	11:22	11:32	11:35	11:40
9236					12:03	12:06	12:09	12:11	12:13	12:15	12:17	12:18	12:20	12:21	12:23	12:24	12:26	12:37	12:39	12:44
9238			12:45	12:53	12:57	13:00	13:03	13:05	13:07	13:09	13:11	13:12	13:14	13:15	13:17	13:18	13:20	13:30	13:33	13:38
9240					13:59	14:02	14:05	14:07	14:09	14:11	14:13	14:14	14:16	14:17	14:19	14:20	14:22	14:32	14:35	14:40
9242			14:45	14:53		15:00	15:03	15:05	15:07	15:09	15:11	15:12	15:14	15:15	15:17	15:18	15:20	15:30	15:33	15:39
2372					15:43	15:46	15:49	15:51	15:53	15:55	15:57	15:58	16:00	16:01	16:03	16:04	16:06	16:17	16:20	16:25
252			16:44	16:52	16:56	16:59	17:02	17:04	17:06	17:08	17:10	17:12	17:14	17:16	17:18	17:20	17:22	17:32	17:37	17:42
2760	16:46		17:05	17:14	17:18	17:21	17:24	17:26	17:28	17:30	17:32	17:33	17:35	17:36	17:38	17:39	17:41	17:50	17:53	17:58
264			17:50	17:58	18:02	18:05	18:08	18:10	18:12	18:14	18:16	18:17	18:19	18:20	18:21	18:22	18:24	18:32	18:35	18:40
1294	17:43		18:00	18:10	18:14	18:17	18:20	18:22	18:24	18:26	18:28	18:29	18:31	18:32	18:34	18:35	18:37	18:48	18:51	18:57
268					19:02	19:05	19:08		19:11	19:13	19:15	19:16	19:18	19:19	19:21	19:22	19:24	19:33	19:36	19:41
9254	18:46		19:06	19:15	19:18													19:41	19:44	19:49
1256	19:23		19:38	19:47	19:51	19:54	19:57		20:00	20:02	20:04	20:06	20:08	20:09	20:11	20:12	20:14	20:22	20:25	20:29
9260			20:06	20:14	20:18	20:21	20:24	20:26	20:28	20:30	20:32	20:33	20:35	20:36	20:38	20:39	20:41	20:50	20:53	20:58
272			20:53	21:01	21:05	21:08	21:11		21:14	21:16	21:18	21:19	21:21	21:22	21:24	21:25	21:27	21:34	21:37	21:42
274					21:58	22:01	22:04	22:06	22:08	22:10	22:12	22:13	22:15	22:16	22:18	22:19	22:21	22:30	22:33	22:38
276			22:48	22:56	23:00	23:03	23:06	23:08	23:10	23:12	23:14	23:15	23:17	23:18	23:20	23:21	23:23	23:30	23:33	23:38
9264					23:40	23:43	23:45		23:48	23:49	23:51	23:52	23:54	23:55	23:57	23:58	19:00	19:00	19:00	19:00
9266					0:40	0:43	0:45		0:48	0:49	0:51	0:52	0:54	0:55	0:57	0:58	1:00	1:07	1:10	1:14

West Trenton Line — Average Lateness (mins.)

Options for this report

» Start date: 2011-08-28 » End date: 2011-11-07 » Service schedule: S1 » Report run time: 2011-11-07 21:12:46
» Stops averaging 3+ minutes late are highlighted

Inbound Service

Train Number	West Trenton	Yardley	Woodbourne	Langhorne	Neshaminy	Trevose	Somerton	Forest Hills	Philmont	Bethayres	Meadowbrook	Rydal	Noble	Jenkintown Wyncote	Elkins Park	Melrose Park	Fern Rock T C	Wayne Junction	Temple University	Market East	Suburban Station
309	0.1	0.6	0.9	1.1	1.3	1.5	2.4	2.4	2.7	3.0	3.2	3.5	3.7	3.7			3.9		4.6	4.7	4.2
313	0.1	0.1	0.1	0.2	0.3	0.5	1.1	1.3	1.4	1.8	2.0	2.3	2.4	2.5			2.9	3.2	4.8	5.6	5.4
3505	0.2	0.3	0.3	0.5	0.8	0.9	1.0	1.1	1.5	2.1	2.3	2.6	3.0	3.1					3.6	4.2	4.1
3507	0.3	0.7	0.9	1.1	1.4	1.8	2.2	2.2	2.3	2.4							2.9			5.3	4.9
319	0.3	0.9	1.2	1.2	1.8	2.3	2.8	2.8	3.1	3.5	3.7	4.0	4.3	4.9	5.2	6.0	6.3	6.5	7.1	7.2	6.8
6321	0.1	0.3	0.7	0.9	1.0	1.4	1.7	1.8	1.9	1.9									2.9	3.4	3.6
323	0.2	0.5	0.6	1.1	1.9	2.2	2.8	3.2	3.5	3.9	4.1	4.2	4.4	4.6	5.2	5.7	6.1	6.8	8.0	8.0	7.3
6325	0.1	0.3	0.7	0.9	1.4	1.6	1.6	1.8	2.3	2.3									3.1	3.6	4.2
6327	0.1	0.4	0.8	1.1	1.3	1.3	1.7	1.7	2.0	2.5	2.9	3.3	3.6	3.9					5.6	7.2	7.5
3223	0.4	0.7	1.1	1.2	1.3	1.6	2.2	2.6	3.0	3.5	3.6	4.0	4.3	4.6			4.8		6.9	8.1	8.3
3421	0.1	0.2	0.7	1.1	1.2	1.4	1.7	1.8	1.9	2.1	3.1	3.7	4.1	4.4	4.8	5.4	5.6	6.0	5.7	4.2	4.0
3425	0.1	0.2	0.6	0.9	1.0	1.2	2.0	2.3	2.7	2.9	3.1	3.3	3.4	4.0	4.4	4.7	4.8	5.2	5.4	5.6	5.1
3429	0.1	0.1	0.3	0.7	1.0	1.2	1.6	1.7	1.9	2.0	2.2	2.6	2.8	3.2	3.5	3.7	3.7	3.9	3.9	3.6	3.0
3433	0.1	0.2	0.4	0.7	0.8	1.0	1.5	1.7	2.1	2.4	2.9	3.2	3.3	3.4	3.7	4.0	4.2	4.4	4.2	4.1	3.4
3437	0.1	0.2	0.5	0.6	0.8	1.0	1.4	1.5	1.9	2.2	2.4	2.5	2.9	3.4	3.7	4.0	4.1	4.2	4.3	3.6	3.1
3441	0.2	0.3	0.5	0.7	0.7	0.8	1.3	1.6	2.1	2.2	2.3	2.3	2.2	2.6	2.9	3.1	3.3	3.7	4.2	4.0	3.8
3445	0.1	0.2	0.4	0.7	0.8	1.0	1.5	1.7	2.0	2.1	2.3	2.5	2.6	2.8	3.1	3.2	3.3	3.9	4.5	4.1	3.7
3449	0.0	0.1	0.6	1.0	1.1	1.2	1.7	2.0	2.2	2.4	2.5	2.7	2.8	3.3	3.7	4.2	4.3	4.7	4.7	4.9	4.9
3791	0.1		0.5	0.6	0.8	1.1			2.1	2.5			2.7	2.8			2.9		4.7	4.4	4.0
369	0.1	0.2	0.6	1.1	1.5	1.9	2.4	2.6	2.8	2.9	3.0	3.2	3.3	3.9	4.2		4.6	4.9	5.0	4.9	4.9
371	0.2	0.8	1.7	2.9	3.7	3.8	4.1	4.2	4.1	4.0	4.0	4.1	4.2	5.1			6.1	6.9	6.8	6.5	6.5
373	0.0	0.1	0.4	1.0	1.3	1.7	2.3	2.5	2.4	2.5	2.6	2.7	2.8	2.9			3.1	3.5	4.1	4.1	4.1
383	0.3	0.7	1.5	2.1	2.5	2.9	3.1	3.3	4.0	4.1	4.2	4.4	4.6	4.9			5.0	3.6	3.3	3.3	2.2
387	0.1	0.2	0.7	0.7	0.8	0.9	1.0	1.1	1.5	1.7	1.8	1.8	1.8	1.9			1.9	2.7	2.6	2.6	3.1
389	0.2	0.3	0.7	0.7	0.9	1.2	1.9	2.1	2.4	2.5	2.8	3.0	3.2	3.3			3.2	3.4	3.7	3.7	3.2
393	0.4	0.9	2.9	3.5	4.0	4.8	7.1	7.9	8.6	8.7	8.6	8.7	8.8	8.9			9.5	11.3	12.0	11.5	11.5
395	0.1	0.3	0.6	0.7	0.8	1.2	1.9	2.2	2.6	2.6	2.6	2.8	2.9	3.0			3.3	4.0	0.0	0.0	0.0

West Trenton Line — Proposed Schedule

This is Will Entriken's proposed schedule change. With this new schedule, the trains would continue to arrive as they currently do. The passengers would show up a little later and avoid waiting for commonly delinquent trains.

Options for this report

- » Start date: 2011-08-28 » End date: 2011-11-07 » Service schedule: S1 » Report run time: 2011-11-07 21:12:47
- » Proposed changes are highlighted
- » Change is recommended when over 90% of trains are late for a stop

Inbound Service

Train Number	West Trenton	Yardley	Woodbourne	Langhorne	Neshaminy	Trevose	Somerton	Forest Hills	Philmont	Bethayres	Meadowbrook	Rydal	Noble	Jenkintown Wyncote	Elkins Park	Melrose Park	Fern Rock T C	Wayne Junction	Temple University	Market East	Suburban Station
309	5:12	5:15	5:21	5:25	5:29	5:31	5:35	5:36	5:38	5:42	5:44	5:46	5:48	5:52			5:58		6:06	6:12	6:17
313	5:47	5:50	5:56	6:00	6:04	6:06	6:10	6:11	6:13	6:17	6:19	6:21	6:23	6:27			6:33	6:36	6:41	6:48	6:52
3505	6:06	6:09	6:15	6:19	6:23	6:25	6:29	6:30	6:32	6:36	6:38	6:41	6:43	6:47					6:59	7:06	7:10
3507	6:31	6:35	6:41	6:45	6:49	6:51	6:55	6:57	6:59	7:02							7:14		7:28	7:33	
319	6:42	6:45	6:51	6:55	6:59	7:01	7:05	7:06	7:08	7:12	7:14	7:16	7:18	7:22	7:24	7:28	7:32	7:36	7:42	7:48	7:52
6321	6:54	6:59	7:04	7:09	7:14	7:17	7:21	7:23	7:25	7:29									7:52	7:58	8:03
323	7:03	7:07	7:12	7:16	7:21	7:23	7:28	7:30	7:32	7:35	7:38	7:40	7:42	7:47	7:49	7:52	7:55	7:59	8:05	8:11	8:15
6325	7:26	7:31	7:36	7:40	7:45	7:48	7:52	7:54	7:57	8:01									8:24	8:29	8:34
6327	7:50	7:53	7:59	8:03	8:07	8:09	8:13	8:14	8:16	8:20	8:22	8:24	8:26	8:30					8:45	8:52	8:56
3223	8:17	8:20	8:26	8:30	8:34	8:36	8:40	8:41	8:43	8:47	8:49	8:52	8:53	8:58			9:04		9:15	9:20	9:25
3421	8:50	8:53	8:58	9:02	9:07	9:09	9:13	9:15	9:18	9:20	9:23	9:25	9:27	9:30	9:33	9:36	9:39	9:42	9:49	9:55	10:00
3425	9:55	9:58	10:03	10:07	10:10	10:12	10:16	10:18	10:21	10:23	10:26	10:28	10:30	10:33	10:35	10:37	10:40	10:44	10:49	10:55	11:00
3429	10:55	10:58	11:03	11:07	11:10	11:12	11:16	11:18	11:21	11:23	11:26	11:28	11:30	11:33	11:35	11:37	11:40	11:43	11:49	11:55	12:00
3433	11:55	11:58	12:03	12:07	12:10	12:12	12:16	12:18	12:21	12:23	12:26	12:28	12:30	12:33	12:35	12:37	12:40	12:43	12:49	12:55	13:00
3437	12:55	12:58	13:03	13:07	13:10	13:12	13:16	13:18	13:21	13:23	13:26	13:28	13:30	13:33	13:35	13:37	13:40	13:43	13:49	13:55	14:00
3441	13:55	13:58	14:03	14:07	14:10	14:12	14:16	14:18	14:21	14:23	14:26	14:28	14:30	14:33	14:35	14:37	14:40	14:43	14:49	14:55	15:00
3445	14:55	14:58	15:03	15:07	15:10	15:12	15:16	15:18	15:21	15:23	15:26	15:28	15:30	15:33	15:35	15:37	15:40	15:43	15:49	15:55	16:00
3449	15:55	15:58	16:03	16:07	16:10	16:12	16:16	16:18	16:21	16:23	16:26	16:28	16:30	16:33	16:35	16:37	16:40	16:43	16:49	16:55	17:00
3791	16:20		16:28	16:32	16:36	16:38			16:43	16:45			16:49	16:53			16:58		17:09	17:15	17:20
369	16:52	16:55	17:00	17:04	17:07	17:09	17:13	17:15	17:18	17:20	17:22	17:24	17:26	17:29	17:32		17:36		17:44	17:50	17:55
371	17:18	17:21	17:26	17:30	17:33	17:35	17:39	17:41	17:44	17:46	17:48	17:50	17:52	17:55			18:01		18:09	18:15	18:20
373	18:03	18:06	18:11	18:15	18:18	18:20	18:24	18:26	18:29	18:31	18:33	18:35	18:37	18:40			18:46		18:54	19:00	19:05
383	19:03	19:06	19:11	19:15	19:18	19:20	19:24	19:26	19:29	19:31	19:33	19:35	19:37	19:40			19:46		19:54	20:00	20:05
387	19:53	19:56	20:01	20:05	20:08	20:10	20:14	20:16	20:19	20:21	20:23	20:25	20:27	20:30			20:36		20:44	20:50	20:55
389	20:53	20:56	21:01	21:05	21:08	21:10	21:14	21:16	21:19	21:21	21:23	21:25	21:27	21:30			21:36		21:44	21:50	21:55
393	22:03	22:06	22:11	22:15	22:18	22:20	22:24	22:26	22:29	22:31	22:33	22:35	22:37	22:40			22:46		22:56	23:03	23:05
395	23:03	23:06	23:11	23:15	23:18	23:20	23:24	23:26	23:29	23:31	23:33	23:35	23:37	23:40			23:46		23:54	19:00	19:00

Cynwyd Line — Average Lateness (mins.)

Options for this report

» Start date: 2011-08-28 » End date: 2011-11-07 » Service schedule: S1 » Report run time: 2011-11-07 21:12:47
» Stops averaging 3+ minutes late are highlighted

Inbound Service

Train Number	Cynwyd	Bala	Wynnefield Avenue	30th Street Station	Suburban Station
1054	0.0	0.0	0.0	0.7	5.0
1056	0.0	0.0	0.0	0.7	3.6
1058	0.0	0.0	0.0	1.6	3.7
1060	0.1	0.1	0.1	0.9	4.4
1062	0.0	0.0	0.0	2.4	4.2
1072	0.3	0.4	0.6	3.6	8.4
1082	0.0	0.0	0.0	0.3	2.7
1084	0.0	0.0	0.0	0.2	3.1
1086	0.0	0.0	0.0	0.4	3.6
1088	0.0	0.0	0.0	0.6	2.1

Cynwyd Line — Proposed Schedule

This is Will Entriken's proposed schedule change. With this new schedule, the trains would continue to arrive as they currently do. The passengers would show up a little later and avoid waiting for commonly delinquent trains.

Options for this report

» Start date: 2011-08-28 » End date: 2011-11-07 » Service schedule: S1 » Report run time: 2011-11-07 21:12:48

» Proposed changes are highlighted

» Change is recommended when over 90% of trains are late for a stop

Inbound Service

Train Number	Cynwyd	Bala	Wynnefield Avenue	30th Street Station	Suburban Station
1054	6:28	6:29	6:31	6:43	6:51
1056	7:11	7:12	7:14	7:26	7:33
1058	7:52	7:53	7:55	8:07	8:14
1060	8:27	8:28	8:30	8:42	8:49
1062	9:04	9:05	9:07	9:17	9:23
1072	12:54	12:55	12:57	13:11	13:19
1082	17:16	17:17	17:19	17:31	17:37
1084	17:51	17:52	17:54	18:06	18:13
1086	18:26	18:27	18:29	18:41	18:47
1088	19:04	19:05	19:07	19:19	19:25

Trenton Line — Average Lateness (mins.)

~~Options for this report~~

» Start date: 2011-08-28 » End date: 2011-11-07 » Service schedule: S1 » Report run time: 2011-11-07 21:12:48

» Stops averaging 3+ minutes late are highlighted

Inbound Service

Train Number	Trenton	Levittown-Tullytown	Bristol	Croydon	Eddington	Cornwells Heights	Torresdale	Holmesburg Jct	Tacony	Bridesburg	North Philadelphia Amtrak	30th Street Station	Suburban Station
7218	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.1	0.1	1.3	2.1
7406	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.2	1.9
7408	0.0	0.1	0.2	0.2		0.2	0.2	0.2				0.5	0.9
9720	0.0	0.0	0.0	0.0		0.0	0.0					0.8	1.9
7534	0.0				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4
9724	0.0	0.2	0.2	0.3		0.3	0.3	0.3				0.6	2.2
726	0.0	0.1	0.1	0.1		0.1	0.1	0.1	0.2	0.3	0.4	0.9	1.2
9728	0.0	0.0	0.0	0.0		0.0	0.0	0.0				0.2	0.7
9700	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3
9730	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.0
9732	0.0	0.0	0.0	0.1		0.1	0.1	0.1	0.1	0.2	0.5	2.1	2.8
9734	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.5	0.6	0.8	1.1
9736	0.0	0.0	0.0	0.0		0.1	0.5	0.6	0.6	0.6	0.6	2.0	2.3
9738	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.4	0.5	0.9	1.0
9740	0.0	0.1	0.3	0.3		0.4	0.4	0.4	0.4	0.3	0.3	0.8	1.4
746	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	2.7
7842	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0		1.6	2.0
754	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.4	1.6	2.0
7250	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9
758	0.0	0.2	0.3	0.4	0.5	0.6	0.8	0.9	0.9	0.9	0.9	1.2	1.7
9756	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.4
1766	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	1.3	4.6
768	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	0.4	0.7	0.9	1.6	2.0
1770	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.6	5.3
772	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.3	0.3	0.8	1.7
9784	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.1
774	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1
776	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.7
778	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.3
780	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6

Trenton Line — Proposed Schedule

This is Will Entriken's proposed schedule change. With this new schedule, the trains would continue to arrive as they currently do. The passengers would show up a little later and avoid waiting for commonly delinquent trains.

Options for this report

» Start date: 2011-08-28 » End date: 2011-11-07 » Service schedule: S1 » Report run time: 2011-11-07 21:12:48

» Proposed changes are highlighted

» Change is recommended when over 90% of trains are late for a stop

Inbound Service

Train Number	Trenton	Levittown-Tullytown	Bristol	Croydon	Eddington	Cornwells Heights	Torresdale	Holmesburg Jct	Tacony	Bridesburg	North Philadelphia Amtrak	30th Street Station	Suburban Station
7218	5:37	5:47	5:51	5:55		5:59	6:02	6:06	6:08	6:11	6:18	6:29	6:34
7406	6:15	6:23	6:27	6:32	6:34	6:37	6:41	6:45	6:47	6:50	6:57	7:07	7:12
7408	6:37	6:45	6:49	6:54		6:58	7:03	7:07				7:27	7:32
9720	6:56	7:04	7:08	7:12		7:16	7:21					7:44	7:49
7534	7:04				7:21	7:24	7:28	7:32	7:35	7:38	7:46	7:57	8:02
9724	7:16	7:24	7:28	7:33		7:37	7:42	7:46				8:06	8:11
726	7:37	7:45	7:49	7:53		7:57	8:01	8:05	8:07	8:10	8:18	8:29	8:34
9728	8:01	8:09	8:13	8:18		8:22	8:27	8:31				8:50	8:55
9700	8:17	8:25	8:29	8:33		8:38	8:42	8:46	8:48	8:51	8:59	9:12	9:17
9730	8:53	9:00	9:04	9:08	9:10	9:13	9:16	9:20	9:22	9:25	9:32	9:43	9:48
9732	9:40	9:47	9:51	9:55		9:58	10:01	10:05	10:06	10:09	10:16	10:27	10:32
9734	10:45	10:52	10:56	11:00	11:02	11:04	11:07	11:11	11:12	11:15	11:22	11:33	11:38
9736	11:40	11:47	11:51	11:55		11:58	12:01	12:05	12:06	12:09	12:16	12:27	12:32
9738	12:39	12:46	12:50	12:54	12:56	12:58	13:01	13:05	13:06	13:09	13:16	13:27	13:32
9740	13:45	13:52	13:56	14:00		14:03	14:06	14:10	14:11	14:14	14:21	14:32	14:37
746	14:34	14:41	14:45	14:49	14:51	14:53	14:56	15:00	15:01	15:04	15:11	15:21	15:26
7842	15:15	15:22	15:26	15:30		15:33	15:36	15:40	15:41	15:45		16:03	16:08
754	15:45	15:52	15:57	16:01	16:03	16:06	16:09	16:13	16:14	16:17	16:24	16:36	16:41
7250	16:16	16:26	16:30	16:34		16:37	16:40	16:44	16:46	16:49	16:56	17:11	17:17
758	16:39	16:46	16:50	16:54	16:56	16:58	17:01	17:05	17:06	17:09	17:16	17:28	17:33
9756	17:10	17:17	17:21	17:25		17:28	17:31	17:35	17:37	17:40	17:47	18:00	18:05
1766	18:00	18:07	18:11	18:15	18:17	18:19	18:22	18:26	18:27	18:30	18:37	18:48	18:55
768	18:31	18:38	18:42	18:46	18:48	18:50	18:53	18:57	18:58	19:01	19:08	19:19	19:24
1770	19:09	19:16	19:20	19:24		19:27	19:30	19:34	19:35	19:38	19:45	19:56	20:04
772	19:38	19:45	19:49	19:53	19:55	19:57	20:00	20:04	20:05	20:08	20:15	20:26	20:31
9784	20:09	20:16	20:20	20:24		20:27	20:30	20:34	20:35	20:38	20:45	20:56	21:01
774	20:36	20:43	20:47	20:51	20:53	20:55	20:58	21:02	21:03	21:06	21:13	21:24	21:29
776	21:39	21:46	21:50	21:54		21:57	22:00	22:04	22:05	22:08	22:15	22:26	22:31
778	22:45	22:52	22:56	23:00	23:02	23:04	23:07	23:11	23:12	23:15	23:22	23:33	23:38
780	0:20	0:28	0:32	0:36		0:39	0:42	0:46	0:47	0:50	0:57	1:06	1:11

Warminster Line — Average Lateness (mins.)

Options for this report

» Start date: 2011-08-28 » End date: 2011-11-07 » Service schedule: S1 » Report run time: 2011-11-07 21:13:06
 » Stops averaging 3+ minutes late are highlighted

Inbound Service

Train Number	Warminster	Hatboro	Willow Grove	Crestmont	Roslyn	Ardsley	Glenside	Jenkintown Wyncote	Elkins Park	Melrose Park	Fern Rock T C	Wayne Junction	Temple University	Market East	Suburban Station
401											1.4	1.4	1.7	0.8	0.9
499							0.5	0.9	1.4	1.8	2.1	2.7	4.0	2.5	1.6
403							0.2	0.5	0.9	1.2	1.4	1.8	2.6	1.5	1.0
405							0.2	0.6	1.1	1.7	2.0	2.4	3.1	1.6	0.8
407	0.1	0.1	0.8	1.2	1.2	1.6	2.2	2.6	3.2	3.6	4.0	4.2	4.3	3.2	2.2
409							0.2	0.7	1.2	1.7	2.0	2.3	3.0	2.4	2.2
4211	0.1	0.1	0.4	0.7	0.9	0.8	1.1							1.6	2.0
4311							0.6	1.1	1.9	2.8	4.3	5.1	5.9	6.9	7.0
4213	0.1	0.0	0.9	1.4	1.5	1.7	2.1	2.8					2.8	2.5	1.9
6415	0.0	0.0	0.3	0.6	1.0	1.1	2.0	2.3					2.6	2.9	2.7
415							0.8	1.8	2.5	3.2	4.2		5.5	4.9	4.4
4219	0.3	0.1	0.6	1.0	1.1	1.3	2.1						2.9	3.7	3.9
4815							0.5	2.0	2.9	3.8	4.4	5.5	6.3	6.7	6.5
419	0.3	0.3	1.3	1.8	2.4	2.7	3.4	3.9	4.4	5.1	5.7	6.2	6.7	6.5	5.8
423	0.1	0.1	0.5	0.8	1.1	1.2	1.6	2.0	2.2	2.5	2.6	3.0	3.1	2.3	1.7
427	0.2	0.3	0.9	1.4	1.8	2.2	2.7	3.2	3.6	4.0	4.3	4.8	5.2	4.8	3.8
431	0.2	0.2	0.9	1.5	1.8	2.0	2.5	3.0	3.3	3.6	3.9	4.3	4.4	4.0	3.6
435	0.2	0.1	0.6	1.1	1.4	1.7	2.1	2.5	2.9	3.3	3.6	4.0	4.2	3.3	2.4
439	0.2	0.5	1.2	1.7	1.9	2.1	2.6	2.8	3.1	3.4	3.5	3.8	4.2	3.9	3.4
443	0.3	0.2	0.6	1.0	1.3	1.4	1.8	2.3	2.6	2.9	3.1	3.3	3.7	3.5	3.1
447	0.2	0.1	0.5	0.8	1.3	1.7	2.0	2.3	2.6	2.7	3.0	3.6	3.9	3.5	2.9
451	0.2	0.2	0.8	1.4	2.1	2.6	3.6	4.1	4.3	4.4	4.8	4.9	4.9	4.2	3.5
4265	0.0	0.1	0.5	0.7	1.2	1.3	1.3	1.3	1.4		1.4	1.5	1.4	1.2	1.0
459							0.7	1.1	1.4	1.6	1.6	1.7	1.7	0.8	0.6
4269	0.2	0.1	0.5	1.1	1.8	2.3	2.9	3.6			3.6	3.6	3.5	3.3	2.9
463	0.1	0.1	0.7	1.4	2.0	2.4	2.5	3.0	3.2	3.3	3.4	3.6	3.4	2.5	1.6
465	0.3	0.2	0.8	1.2	1.5	1.7	1.9	2.1	2.2	2.5	3.3	3.8	4.8	5.0	3.8
469	0.3	0.2	0.7	1.2	1.6	1.7	2.0	2.2	2.5	2.8	3.0	3.0	4.5	5.7	5.2
473	0.3	0.2	0.7	1.2	1.6	1.8	2.1	2.3	2.6	2.9	3.3	3.4	4.4	4.7	3.3
6479	0.1	0.0	0.1	0.1	0.1	0.1	0.3	0.7	0.8	0.8	0.8	0.9	1.3	0.0	0.0

Warminster Line — Proposed Schedule

This is Will Entriken's proposed schedule change. With this new schedule, the trains would continue to arrive as they currently do. The passengers would show up a little later and avoid waiting for commonly delinquent trains.

Options for this report

» Start date: 2011-08-28 » End date: 2011-11-07 » Service schedule: S1 » Report run time: 2011-11-07 21:13:13
 » Proposed changes are highlighted
 » Change is recommended when over 90% of trains are late for a stop

Inbound Service

Train Number	Warminster	Hatboro	Willow Grove	Crestmont	Roslyn	Ardsley	Glenside	Jenkintown Wyncote	Elkins Park	Melrose Park	Fern Rock T C	Wayne Junction	Temple University	Market East	Suburban Station
401											4:08	4:12	4:18	4:25	4:30
499							4:29	4:31	4:33	4:35	4:38	4:42	4:48	4:55	5:00
403							4:59	5:01	5:03	5:05	5:08	5:12	5:18	5:25	5:30
405							5:29	5:31	5:33	5:35	5:38	5:42	5:48	5:55	6:00
407	5:40	5:44	5:49	5:51	5:52	5:56	5:59	6:02	6:04	6:06	6:10	6:13	6:19	6:25	6:30
409							6:29	6:31	6:33	6:35	6:38	6:42	6:48	6:55	7:00
4211	6:17	6:21	6:26	6:28	6:31	6:34	6:38						6:54	7:00	7:05
4311							6:51	6:54	6:56	6:59	7:02	7:07	7:13	7:19	7:23
4213	6:50	6:54	6:59	7:01	7:04	7:07	7:10	7:13					7:28	7:34	7:39
6415	7:14	7:19	7:24	7:26	7:29	7:32	7:35	7:40					7:56	8:02	8:07
415							7:58	8:01	8:04	8:06	8:09		8:19	8:25	8:30
4219	7:49	7:54	7:59	8:01	8:04	8:07	8:11						8:27	8:33	8:38
4815							8:19	8:23	8:25	8:28	8:31	8:36	8:42	8:48	8:52
419	8:40	8:44	8:49	8:51	8:53	8:55	9:00	9:02	9:05	9:07	9:11	9:15	9:21	9:25	9:30
423	9:41	9:45	9:50	9:52	9:54	9:56	10:00	10:03	10:05	10:07	10:10	10:13	10:19	10:25	10:30
427	10:41	10:45	10:50	10:52	10:54	10:56	11:00	11:04	11:06	11:09	11:11	11:14	11:20	11:26	11:30
431	11:41	11:45	11:50	11:52	11:54	11:56	12:01	12:04	12:06	12:08	12:11	12:14	12:20	12:25	12:30
435	12:41	12:45	12:50	12:52	12:54	12:56	13:00	13:03	13:05	13:07	13:10	13:14	13:19	13:25	13:30
439	13:41	13:45	13:50	13:52	13:54	13:56	14:00	14:03	14:05	14:07	14:10	14:13	14:19	14:25	14:30
443	14:41	14:45	14:50	14:52	14:54	14:56	15:00	15:03	15:05	15:07	15:10	15:13	15:19	15:25	15:30
447	15:41	15:45	15:50	15:52	15:54	15:56	16:00	16:03	16:05	16:07	16:10	16:13	16:19	16:25	16:30
451	16:42	16:46	16:50	16:52	16:54	16:56	17:00	17:03	17:05	17:07	17:10	17:13	17:19	17:25	17:30
4265	17:37	17:41	17:48	17:50	17:53	17:56	18:00	18:03	18:06		18:11	18:15	18:21	18:28	18:33
459							18:59	19:01	19:03	19:05	19:08	19:12	19:18	19:25	19:30
4269	18:48	18:52	18:59	19:01	19:03	19:05	19:08	19:10			19:17	19:20	19:26	19:32	19:37
463	19:37	19:41	19:49	19:51	19:54	19:57	20:00	20:03	20:05	20:07	20:10	20:13	20:19	20:25	20:30
465	20:14	20:18	20:22	20:24	20:26	20:28	20:32	20:34	20:36	20:38	20:41	20:44	20:50	20:55	21:00
469	21:14	21:18	21:22	21:24	21:26	21:28	21:32	21:34	21:37	21:39	21:42	21:45	21:51	21:56	22:00
473	22:14	22:18	22:22	22:24	22:26	22:28	22:32	22:35	22:37	22:39	22:42	22:45	22:51	22:55	23:00
6479	23:14	23:18	23:22	23:24	23:26	23:28	23:32	23:34	23:36	23:38	23:41	23:44	23:49	23:55	19:00

Paoli/Thorndale Line — Stop Details

Options for this report

» Start date: 2011-08-28 » End date: 2011-11-07 » Service schedule: S1 » Report run time: 2011-11-07 21:32:21
 » Train: 582
 » Stop: Malvern

Scheduled Departure: 17:29

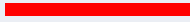

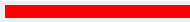
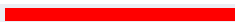


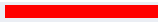

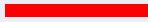

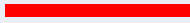










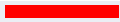
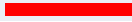






Date	Departure Time	Lateness (mins.)	
2011-08-29	17:29:00	0.0	
2011-08-30	17:43:00	14.0	<div></div>
2011-08-31	17:37:40	8.7	<div></div>
2011-09-01	17:29:00	0.0	
2011-09-02	17:29:00	0.0	
2011-09-06	17:43:00	14.0	<div></div>
2011-09-07	17:29:00	0.0	
2011-09-08	17:29:00	0.0	
2011-09-09	17:29:00	0.0	
2011-09-12	17:40:19	11.3	<div></div>
2011-09-13	17:43:00	14.0	<div></div>
2011-09-14	17:35:19	6.3	<div></div>
2011-09-15	17:40:00	11.0	<div></div>
2011-09-16	17:36:00	7.0	<div></div>
2011-09-19	17:40:00	11.0	<div></div>
2011-09-20	17:33:00	4.0	<div></div>
2011-09-21	17:43:00	14.0	<div></div>
2011-09-22	17:29:00	0.0	
2011-09-23	17:30:19	1.3	<div></div>
2011-09-26	17:30:19	1.3	<div></div>
2011-09-27	17:29:00	0.0	
2011-09-28	17:29:00	0.0	
2011-09-29	17:29:00	0.0	
2011-09-30	17:29:19	0.3	<div></div>
2011-10-03	17:32:40	3.7	<div></div>
2011-10-04	17:29:00	0.0	
2011-10-05	17:34:00	5.0	<div></div>
2011-10-06	17:29:00	0.0	
2011-10-07	17:29:00	0.0	
2011-10-10	17:31:00	2.0	<div></div>
2011-10-11	17:29:00	0.0	
2011-10-12	17:34:00	5.0	<div></div>
2011-10-13	17:36:00	7.0	<div></div>
2011-10-14	17:29:00	0.0	
2011-10-17	17:29:00	0.0	
2011-10-18	17:29:19	0.3	<div></div>
2011-10-19	17:29:00	0.0	
2011-10-20	17:30:19	1.3	<div></div>
2011-10-21	17:32:40	3.7	<div></div>
2011-10-24	17:34:19	5.3	<div></div>
2011-10-25	17:29:19	0.3	<div></div>
2011-10-26	17:29:00	0.0	
2011-10-27	17:29:19	0.3	<div></div>
2011-10-28	17:29:00	0.0	
2011-10-31	17:29:19	0.3	<div></div>
2011-11-01	17:29:19	0.3	<div></div>
2011-11-02	17:32:40	3.7	<div></div>
2011-11-03	17:29:00	0.0	
2011-11-04	17:29:00	0.0	
2011-11-07	17:31:00	2.0	<div></div>
AVERAGE	17:32:10	3.2	<div></div>
STANDARD DEVIATION	17:33:30	4.5	<div></div>
10th PERCENTILE	17:29:00	0.0	
25th PERCENTILE	17:29:00	0.0	
50th PERCENTILE	17:29:19	0.3	<div></div>
75th PERCENTILE	17:34:00	5.0	<div></div>

Paoli/Thorndale Line — Stop Details

Options for this report

» Start date: 2011-08-28 » End date: 2011-11-07 » Service schedule: S1 » Report run time: 2011-11-07 21:32:23
 » Train: 582
 » Stop: Overbrook

Scheduled Departure: 18:07




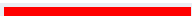


























Date	Departure Time	Lateness (mins.)	
2011-08-30	18:20:00	13.0	
2011-08-31	18:19:00	12.0	
2011-09-01	18:07:00	0.0	
2011-09-02	18:07:00	0.0	
2011-09-06	18:20:00	13.0	
2011-09-07	18:07:00	0.0	
2011-09-08	18:07:00	0.0	
2011-09-09	18:07:00	0.0	
2011-09-12	18:23:00	16.0	
2011-09-13	18:20:00	13.0	
2011-09-14	18:09:00	2.0	
2011-09-15	18:18:00	11.0	
2011-09-16	18:14:00	7.0	
2011-09-19	18:17:00	10.0	
2011-09-20	18:11:00	4.0	
2011-09-21	18:20:00	13.0	
2011-09-22	18:07:00	0.0	
2011-09-23	18:08:00	1.0	
2011-09-26	18:08:00	1.0	
2011-09-27	18:07:00	0.0	
2011-09-28	18:07:00	0.0	
2011-09-29	18:07:00	0.0	
2011-09-30	18:07:00	0.0	
2011-10-03	18:10:00	3.0	
2011-10-04	18:07:00	0.0	
2011-10-05	18:11:00	4.0	
2011-10-06	18:27:00	20.0	
2011-10-07	18:07:00	0.0	
2011-10-10	18:09:00	2.0	
2011-10-11	18:07:00	0.0	
2011-10-12	18:12:00	5.0	
2011-10-13	18:13:00	6.0	
2011-10-14	18:07:00	0.0	
2011-10-17	18:16:19	9.3	
2011-10-18	18:07:00	0.0	
2011-10-19	18:07:00	0.0	
2011-10-20	18:07:00	0.0	
2011-10-21	18:10:00	3.0	
2011-10-24	18:15:00	8.0	
2011-10-25	18:07:00	0.0	
2011-10-26	18:07:00	0.0	
2011-10-27	18:07:00	0.0	
2011-10-28	18:16:00	9.0	
2011-10-31	18:07:00	0.0	
2011-11-01	18:07:00	0.0	
2011-11-02	18:10:00	3.0	
2011-11-03	18:07:00	0.0	
2011-11-04	18:07:00	0.0	
2011-11-07	18:09:00	2.0	
AVERAGE	18:10:53	3.9	
STANDARD DEVIATION	18:12:17	5.3	
10th PERCENTILE	18:07:00	0.0	
25th PERCENTILE	18:07:00	0.0	
50th PERCENTILE	18:08:00	1.0	
75th PERCENTILE	18:14:00	7.0	

Paoli/Thorndale Line — Stop Details

Options for this report

» Start date: 2011-08-28 » End date: 2011-11-07 » Service schedule: S1 » Report run time: 2011-11-07 21:32:26
 » Train: 582
 » Stop: Suburban Station

Scheduled Departure: 18:22

Date	Departure Time	Lateness (mins.)	
2011-08-30	18:25:00	3.0	
2011-08-31	18:30:40	8.7	
2011-09-01	18:27:40	5.7	
2011-09-02	18:22:00	0.0	
2011-09-06	18:35:00	13.0	
2011-09-07	18:27:00	5.0	
2011-09-08	18:22:00	0.0	
2011-09-09	18:22:00	0.0	
2011-09-12	18:27:19	5.3	
2011-09-13	18:33:19	11.3	
2011-09-14	18:28:19	6.3	
2011-09-15	18:22:00	0.0	
2011-09-16	18:22:00	0.0	
2011-09-19	18:32:00	10.0	
2011-09-20	18:22:00	0.0	
2011-09-21	18:23:40	1.7	
2011-09-22	18:22:40	0.7	
2011-09-23	18:27:40	5.7	
2011-09-26	18:22:00	0.0	
2011-09-27	18:22:00	0.0	
2011-09-28	18:22:00	0.0	
2011-09-29	18:22:00	0.0	
2011-09-30	18:22:00	0.0	
2011-10-03	18:24:00	2.0	
2011-10-04	18:22:00	0.0	
2011-10-05	18:22:00	0.0	
2011-10-06	18:32:00	10.0	
2011-10-07	18:24:00	2.0	
2011-10-10	18:22:00	0.0	
2011-10-11	18:22:00	0.0	
2011-10-12	18:27:00	5.0	
2011-10-13	18:28:00	6.0	
2011-10-14	18:28:19	6.3	
2011-10-17	18:22:00	0.0	
2011-10-18	18:22:00	0.0	
2011-10-19	18:22:19	0.3	
2011-10-20	18:24:00	2.0	
2011-10-21	18:23:00	1.0	
2011-10-24	18:27:00	5.0	
2011-10-25	18:22:00	0.0	
2011-10-26	18:22:00	0.0	
2011-10-27	18:29:40	7.7	
2011-10-28	18:31:00	9.0	
2011-10-31	18:22:00	0.0	
2011-11-01	18:22:40	0.7	
2011-11-02	18:22:40	0.7	
2011-11-03	18:22:00	0.0	
2011-11-04	18:22:00	0.0	
2011-11-07	18:22:40	0.7	
AVERAGE	18:24:44	2.7	
STANDARD DEVIATION	18:25:38	3.6	
10th PERCENTILE	18:22:00	0.0	
25th PERCENTILE	18:22:00	0.0	
50th PERCENTILE	18:22:40	0.7	
75th PERCENTILE	18:27:19	5.3	