

Route 001 Freeport Road
 ROUTE OVERVIEW

First pull-out	:	3:51					
Last pull-in	:	25:29					
Number of blocks	:	28					
Number at garage	:	10					
Pull-out/Pull-in	:	25/ 26	/	/	/	/	/
Number of in-service trips	:	48	In-service distance		:	1189.402	
Off-service duration	:	18h01	Off-service distance		:	483.632	
In-service duration	:	67h49					
Loading duration	:	0h00					
Layover duration	:	10h02	Total distance		:	1673.035	
Total duration	:	95h52					
% Off-service/total time	:	18.8 %	In-service speed		:	17.2	
% Layover/total time	:	10.5 %	Inbound		:	17.9	
% Off-service/total distance	:	28.9 %	Outbound		:	17.5	
			Average				
				Speed			
			Total :	17.5 In-serv. + layover	:	15.3	

In-service trip pattern	- Inbound	Distances
Tarentum Park-and-Ride	/ Layover - Penn Park Terminal	24 * 24.414 = 585.9295

In-service trip pattern	- Outbound	Distances
Layover - Penn Park Terminal	/ Tarentum Park-and-Ride	18 * 24.674 = 444.1405
Layover - Penn Park Terminal	/ E 6th Ave at Lock St	6 * 24.450 = 146.7017

Off-service trip pattern		Distances
Layover - Penn Park Terminal	/ Ross Garage	15 * 5.890 = 88.350
Ross Garage	/ Layover - Penn Park Terminal	14 * 5.887 = 82.4181
E 6th Ave at Lock St	/ Ross Garage	6 * 20.769 = 124.6157
Layover - Penn Park Terminal	/ Ross Garage	5 * 5.890 = 29.4495
Ross Garage	/ Layover - Penn Park Terminal	5 * 5.887 = 29.4339
Ross Garage	/ Tarentum Park-and-Ride	3 * 24.202 = 72.606
Ross Garage	/ Tarentum Park-and-Ride	3 * 20.445 = 61.3363
Layover - Penn Park Terminal	/ Layover - Ross Garage Terminal	1 * 5.916 = 5.9164
Layover - Penn Park Terminal	/ Chatham St at Centre Ave	1 * 0.781 = 0.7807

Route 002 Mount Royal
 ROUTE OVERVIEW

First pull-out	:	3:46					
Last pull-in	:	23:40					
Number of blocks	:	19					
Number at garage	:	10					
Pull-out/Pull-in	:	18/ 16	/	/	/	/	/
Number of in-service trips	:	53	In-service distance		:	1020.387	
Off-service duration	:	7h27	Off-service distance		:	129.157	
In-service duration	:	58h28					
Loading duration	:	0h00					
Layover duration	:	3h48	Total distance		:	1149.543	
Total duration	:	69h43					
% Off-service/total time	:	10.7 %	In-service speed		:	16.7	
% Layover/total time	:	5.5 %	Inbound		:	18.2	
% Off-service/total distance	:	11.2 %	Outbound		:	17.5	
			Average				
				Speed			
			Total :	16.5 In-serv. + layover	:	16.4	

In-service trip pattern	- Inbound	Distances
North Hills Village Terminus	/ 9th St at Penn Ave	16 * 19.135 = 306.1527
North Hills Village Terminus	/ 9th St at Penn Ave	10 * 17.814 = 178.1377
North Hills Village Terminus	/ 9th St at Penn Ave	1 * 17.606 = 17.6057

In-service trip pattern	- Outbound	Distances
9th St at Penn Ave	/ North Hills Village Terminus	17 * 19.290 = 327.9335
9th St at Penn Ave	/ North Hills Village Terminus	9 * 17.954 = 161.5841

Off-service trip pattern	Distances
North Hills Village Terminus / Ross Garage	15 * 3.176 = 47.6472
Ross Garage / North Hills Village Terminus	11 * 2.957 = 32.5271
Ross Garage / North Hills Village Terminus	7 * 3.166 = 22.1616
North Hills Village Terminus / Avalon Loop	1 * 7.715 = 7.715
North Hills Village Terminus / 9th St at Penn Ave	1 * 7.390 = 7.3901
9th St at Penn Ave / Ross Garage	1 * 6.215 = 6.2146
North Hills Village Terminus / Layover - Ross Garage Terminal	1 * 3.203 = 3.203

Route 004 Troy Hill
 ROUTE OVERVIEW

First pull-out	:	5:09					
Last pull-in	:	22:21					
Number of blocks	:	21					
Number at garage	:	10					
Pull-out/Pull-in	:	18/ 21	/	/	/	/	/
Number of in-service trips	:	46	In-service distance				351.923
Off-service duration	:	0h39	Off-service distance				2.637
In-service duration	:	27h33					
Loading duration	:	0h00					
Layover duration	:	1h12	Total distance				354.561
Total duration	:	29h24					
% Off-service/total time	:	2.2 %	In-service speed				12.7
% Layover/total time	:	4.1 %	Inbound				12.8
% Off-service/total distance	:	0.7 %	Outbound				12.8
			Average				
				Speed			
			Total	:	12.1 In-serv. + layover		12.2

In-service trip pattern	- Inbound	Distances
Layover - Ross Garage Terminal	/ 9th St at Penn Ave	23 * 7.514 = 172.828

In-service trip pattern	- Outbound	Distances
9th St at Penn Ave	/ Layover - Ross Garage Terminal	23 * 7.778 = 178.8847

Off-service trip pattern		Distances
Layover - Ross Garage Terminal	/ Ross Garage	21 * 0.103 = 2.1609
Ross Garage	/ Layover - Ross Garage Terminal	18 * 0.026 = 0.4766

Route 006 Spring Hill
ROUTE OVERVIEW

First pull-out	:	4:22					
Last pull-in	:	25:28					
Number of blocks	:	30					
Number at garage	:	10					
Pull-out/Pull-in	:	14/ 16	/	/	/	/	/
Number of in-service trips	:	63	In-service distance				316.359
Off-service duration	:	6h33	Off-service distance				120.363
In-service duration	:	33h19					
Loading duration	:	0h00					
Layover duration	:	7h55	Total distance				436.721
Total duration	:	47h47					
% Off-service/total time	:	13.7 %	In-service speed				9.4
% Layover/total time	:	16.6 %	Inbound				9.6
% Off-service/total distance	:	27.6 %	Outbound				9.5
			Average				
			Speed				
			Total : 9.1 In-serv. + layover				7.7

In-service trip pattern	- Inbound	Distances
Colby St at Faber St	/ Layover - Penn Park Terminal	31 * 4.944 = 153.2521

In-service trip pattern	- Outbound	Distances
Layover - Penn Park Terminal	/ Colby St at Faber St	32 * 4.870 = 155.840

Off-service trip pattern	Distances
Colby St at Faber St / Ross Garage	6 * 2.470 = 14.8217
Layover - Penn Park Terminal / Ross Garage	5 * 5.890 = 29.450
Ross Garage / Layover - Penn Park Terminal	5 * 5.887 = 29.435
Colby St at Faber St / Ross Garage	4 * 2.470 = 9.880
Ross Garage / Colby St at Faber St	4 * 2.286 = 9.144
Ross Garage / Colby St at Faber St	4 * 2.286 = 9.143
Layover - Penn Park Terminal / Ross Garage	1 * 5.890 = 5.8899
Ross Garage / Layover - Penn Park Terminal	1 * 5.887 = 5.8868
Colby St at Faber St / Layover - Penn Park Terminal	1 * 4.654 = 4.6544
Layover - Penn Park Terminal / Children's Way	1 * 2.060 = 2.0595

Route 007 Spring Garden
 ROUTE OVERVIEW

First pull-out	:	5:43						
Last pull-in	:	8:55						
Number of blocks	:	2						
Number at garage	:	10						
Pull-out/Pull-in	:	2/ 1 / / / / /						
Number of in-service trips	:	12	In-service distance				:	67.482
Off-service duration	:	0h38	Off-service distance				:	9.539
In-service duration	:	5h16						
Loading duration	:	0h00	Total distance				:	77.020
Layover duration	:	0h27						
Total duration	:	6h21						
% Off-service/total time	:	10.0 %	In-service speed				:	12.2
% Layover/total time	:	7.1 %	Inbound				:	13.4
% Off-service/total distance	:	12.4 %	Outbound				:	12.8
			Average					
				Speed				
			Total :	12.1 In-serv. + layover			:	11.8

In-service trip pattern	- Inbound	Distances
Colby St at Faber St	/ 9th St at Penn Ave	6 * 5.171 = 31.0261

In-service trip pattern	- Outbound	Distances
9th St at Penn Ave	/ Colby St at Faber St	6 * 6.064 = 36.3824

Off-service trip pattern	Distances
Colby St at Faber St / Layover - Ross Garage Terminal	1 * 2.497 = 2.4968
Colby St at Faber St / Ross Garage	1 * 2.470 = 2.470
Ross Garage / Colby St at Faber St	1 * 2.286 = 2.286
Ross Garage / Colby St at Faber St	1 * 2.286 = 2.2858

Route 008 Perrysville
 ROUTE OVERVIEW

First pull-out	:	4:41					
Last pull-in	:	24:12					
Number of blocks	:	38					
Number at garage	:	10					
Pull-out/Pull-in	:	35/ 36	/	/	/	/	/
Number of in-service trips	:	142	In-service distance		:	1141.401	
Off-service duration	:	10h29	Off-service distance		:	128.113	
In-service duration	:	95h21					
Loading duration	:	0h00	Total distance		:	1269.515	
Layover duration	:	9h15					
Total duration	:	115h05					
% Off-service/total time	:	9.1 %	In-service speed		:	11.9	
% Layover/total time	:	8.0 %	Inbound		:	12.1	
% Off-service/total distance	:	10.1 %	Outbound		:	12.0	
			Average				
			Speed				
			Total : 11.0 In-serv. + layover		:	10.9	

In-service trip pattern	- Inbound	Distances
West View Plaza Terminus	/ Penn Ave at 7th St	71 * 8.183 = 580.9615

In-service trip pattern	- Outbound	Distances
Penn Ave at 7th St	/ West View Plaza at KMart	36 * 8.029 = 289.0548
Penn Ave at 7th St	/ West View Plaza Terminus	35 * 8.159 = 285.5669

Off-service trip pattern		Distances
West View Plaza at KMart	/ Ross Garage	36 * 1.669 = 60.088
Ross Garage	/ West View Plaza Terminus	35 * 1.753 = 61.3435
West View Plaza Terminus	/ Colby St at Faber St	1 * 4.700 = 4.700
West View Plaza Terminus	/ Layover - Ross Garage Terminal	1 * 2.484 = 2.4839

Route 011 Fineview
ROUTE OVERVIEW

First pull-out	:	4:24					
Last pull-in	:	23:08					
Number of blocks	:	10					
Number at garage	:	10					
Pull-out/Pull-in	:	10/ 10	/	/	/	/	/
Number of in-service trips	:	50	In-service distance				194.601
Off-service duration	:	5h00	Off-service distance				117.767
In-service duration	:	19h48					
Loading duration	:	0h00					
Layover duration	:	6h36	Total distance				312.368
Total duration	:	31h24					
% Off-service/total time	:	15.9 %	In-service speed				
% Layover/total time	:	21.0 %	Outbound				9.7
% Off-service/total distance	:	37.7 %	Inbound				15.1
			Average				9.8
				Speed			
			Total :	9.9 In-serv. + layover			7.4

In-service trip pattern	- Inbound	Distances
Penn Station Stop A	/ Layover - Penn Park Terminal	25 * 0.252 = 6.2992

In-service trip pattern	- Outbound	Distances
Layover - Penn Park Terminal	/ Penn Station Stop A	25 * 7.513 = 187.8262

Off-service trip pattern		Distances
Ross Garage	/ Layover - Penn Park Terminal	8 * 5.887 = 47.0961
Layover - Penn Park Terminal	/ Ross Garage	7 * 5.890 = 41.230
Layover - Penn Park Terminal	/ Ross Garage	3 * 5.890 = 17.6697
Ross Garage	/ Layover - Penn Park Terminal	2 * 5.887 = 11.7736

Route 012 McKnight
 ROUTE OVERVIEW

First pull-out	:	5:12					
Last pull-in	:	24:01					
Number of blocks	:	18					
Number at garage	:	10					
Pull-out/Pull-in	:	17/ 18	/	/	/	/	/
Number of in-service trips	:	45	In-service distance				761.790
Off-service duration	:	11h26	Off-service distance				256.635
In-service duration	:	48h34					
Loading duration	:	0h00					
Layover duration	:	3h36	Total distance				1018.425
Total duration	:	63h36					
% Off-service/total time	:	18.0 %	In-service speed				
% Layover/total time	:	5.7 %	Inbound				15.5
% Off-service/total distance	:	25.2 %	Outbound				15.9
			Average				15.7
			Speed				
			Total : 16.0 In-serv. + layover				14.6

In-service trip pattern	- Inbound	Distances
McCandless Park and Ride	/ 9th St at Penn Ave	15 * 17.388 = 260.8213
McCandless Park and Ride	/ 9th St at Penn Ave	8 * 16.052 = 128.4133

In-service trip pattern	- Outbound	Distances
9th St at Penn Ave	/ McCandless Park and Ride	16 * 17.299 = 276.7803
9th St at Penn Ave	/ McCandless Park and Ride	6 * 15.978 = 95.868

Off-service trip pattern		Distances
Ross Garage	/ McCandless Park and Ride	7 * 7.785 = 54.495
McCandless Park and Ride	/ Ross Garage	6 * 7.831 = 46.986
McCandless Park and Ride	/ Ross Garage	6 * 7.831 = 46.9852
9th St at Penn Ave	/ Ross Garage	6 * 6.215 = 37.2874
Ross Garage	/ McCandless Park and Ride	5 * 7.875 = 39.3763
Ross Garage	/ 9th St at Penn Ave	5 * 6.175 = 30.875

Route 013 Bellevue
 ROUTE OVERVIEW

First pull-out	:	5:21					
Last pull-in	:	25:06					
Number of blocks	:	23					
Number at garage	:	10					
Pull-out/Pull-in	:	22/ 22	/	/	/	/	/
Number of in-service trips	:	84	In-service distance				817.818
Off-service duration	:	6h26	Off-service distance				81.753
In-service duration	:	58h12					
Loading duration	:	0h00					
Layover duration	:	5h36	Total distance				899.570
Total duration	:	70h14					
% Off-service/total time	:	9.2 %	In-service speed				14.3
% Layover/total time	:	8.0 %	Inbound				13.8
% Off-service/total distance	:	9.1 %	Outbound				14.1
			Average				
				Speed			
			Total :	12.8 In-serv. + layover			12.8

In-service trip pattern	- Inbound	Distances
West View Plaza Terminus	/ 7th St at Penn Ave	42 * 9.892 = 415.4548

In-service trip pattern	- Outbound	Distances
7th St at Penn Ave	/ West View Plaza at KMart	22 * 9.340 = 205.4904
7th St at Penn Ave	/ West View Plaza Terminus	20 * 9.470 = 189.4045

Off-service trip pattern		Distances
Ross Garage	/ West View Plaza Terminus	22 * 1.753 = 38.5588
West View Plaza at KMart	/ Ross Garage	22 * 1.669 = 36.7204
West View Plaza Terminus	/ McCandless Park and Ride	1 * 6.474 = 6.4736

Route 014 Ohio Valley
 ROUTE OVERVIEW

First pull-out	:	4:09					
Last pull-in	:	25:23					
Number of blocks	:	30					
Number at garage	:	10					
Pull-out/Pull-in	:	28/ 27	/	/	/	/	/
Number of in-service trips	:	74	In-service distance				1228.947
Off-service duration	:	20h20	Off-service distance				551.452
In-service duration	:	59h08					
Loading duration	:	0h00					
Layover duration	:	14h10	Total distance				1780.398
Total duration	:	93h38					
% Off-service/total time	:	21.7 %	In-service speed				20.4
% Layover/total time	:	15.1 %	Inbound				21.3
% Off-service/total distance	:	31.0 %	Outbound				20.8
			Average				
			Speed				
			Total : 19.0 In-serv. + layover				16.8

In-service trip pattern	- Inbound	Distances
Ambridge Park-and-Ride	/ Allegheny Station Bay 1	38 * 16.896 = 642.0302

In-service trip pattern	- Outbound	Distances
Allegheny Station Bay 1	/ Ambridge Park-and-Ride	36 * 16.402 = 590.4641

Off-service trip pattern		Distances
Allegheny Station Bay 1	/ Ross Garage	15 * 7.548 = 113.2199
Ross Garage	/ Allegheny Station Bay 1	13 * 5.813 = 75.5689
Ambridge Park-and-Ride	/ Ross Garage	7 * 15.641 = 109.4897
Ross Garage	/ Ambridge Park-and-Ride	6 * 15.905 = 95.430
Ross Garage	/ Allegheny Station Bay 1	5 * 6.064 = 30.3212
Ross Garage	/ Ambridge Park-and-Ride	4 * 15.604 = 62.4156
Allegheny Station Bay 1	/ Ross Garage	4 * 7.548 = 30.1933
Allegheny Station Bay 1	/ Layover - Ross Garage Terminal	2 * 7.575 = 15.1496
Ambridge Park-and-Ride	/ Ross Garage	1 * 15.942 = 15.942
Allegheny Station Bay 1	/ Layover - Penn Park Terminal	1 * 2.557 = 2.5572

Route 015 Charles
 ROUTE OVERVIEW

First pull-out	:	4:58					
Last pull-in	:	21:56					
Number of blocks	:	31					
Number at garage	:	10					
Pull-out/Pull-in	:	14/ 13	/	/	/	/	/
Number of in-service trips	:	59	In-service distance		:	332.191	
Off-service duration	:	7h15	Off-service distance		:	147.100	
In-service duration	:	33h14					
Loading duration	:	0h00					
Layover duration	:	7h29	Total distance		:	479.291	
Total duration	:	47h58					
% Off-service/total time	:	15.1 %	In-service speed		:	9.9	
% Layover/total time	:	15.6 %	Inbound		:	10.1	
% Off-service/total distance	:	30.7 %	Outbound		:	10.0	
			Average				
				Speed			
			Total	:	10.0 In-serv. + layover	:	8.2

In-service trip pattern	- Inbound	Distances
Colby St at Faber St	/ Layover - Penn Park Terminal	30 * 5.555 = 166.6551

In-service trip pattern	- Outbound	Distances
Layover - Penn Park Terminal	/ Colby St at Faber St	29 * 5.698 = 165.2308

Off-service trip pattern		Distances
Layover - Penn Park Terminal	/ Ross Garage	9 * 5.890 = 53.010
Ross Garage	/ Layover - Penn Park Terminal	6 * 5.887 = 35.322
Ross Garage	/ Colby St at Faber St	4 * 2.286 = 9.143
Layover - Penn Park Terminal	/ Ross Garage	2 * 5.890 = 11.7798
Ross Garage	/ Layover - Penn Park Terminal	2 * 5.887 = 11.7736
Colby St at Faber St	/ Ross Garage	2 * 2.470 = 4.9406
Ross Garage	/ Colby St at Faber St	2 * 2.286 = 4.572
Layover - Penn Park Terminal	/ West View Plaza Terminus	1 * 7.015 = 7.015
Colby St at Faber St	/ Allegheny Station Bay 1	1 * 4.740 = 4.7399
Colby St at Faber St	/ Layover - Penn Park Terminal	1 * 4.654 = 4.6544

Route 016 Brighton
ROUTE OVERVIEW

First pull-out	:	3:39					
Last pull-in	:	25:25					
Number of blocks	:	33					
Number at garage	:	10					
Pull-out/Pull-in	:	32/ 33	/	/	/	/	/
Number of in-service trips	:	139	In-service distance				981.876
Off-service duration	:	17h27	Off-service distance				281.667
In-service duration	:	76h57					
Loading duration	:	0h00					
Layover duration	:	11h27	Total distance				1263.542
Total duration	:	105h51					
% Off-service/total time	:	16.5 %	In-service speed				
% Layover/total time	:	10.8 %	Inbound				12.7
% Off-service/total distance	:	22.3 %	Outbound				12.8
			Average				12.8
			Speed				
			Total : 11.9 In-serv. + layover				11.1

In-service trip pattern	- Inbound	Distances
Avalon Loop	/ 7th St at Penn Ave	70 * 6.924 = 484.6665

In-service trip pattern	- Outbound	Distances
7th St at Penn Ave	/ Avalon Loop	69 * 7.025 = 484.7015

Off-service trip pattern	Distances
Ross Garage / Avalon Loop	20 * 4.696 = 93.9201
Avalon Loop / Ross Garage	19 * 4.357 = 82.7831
Avalon Loop / Ross Garage	13 * 4.128 = 53.6691
Ross Garage / Avalon Loop	12 * 4.483 = 53.7964
7th St at Penn Ave / Ross Garage	1 * 6.101 = 6.1011

Route 017 Shadeland
 ROUTE OVERVIEW

First pull-out	:	4:54					
Last pull-in	:	24:44					
Number of blocks	:	29					
Number at garage	:	10					
Pull-out/Pull-in	:	25/ 24	/	/	/	/	/
Number of in-service trips	:	66	In-service distance				601.325
Off-service duration	:	1h29	Off-service distance				19.047
In-service duration	:	49h15					
Loading duration	:	0h00					
Layover duration	:	2h34	Total distance				620.372
Total duration	:	53h18					
% Off-service/total time	:	2.8 %	In-service speed				11.8
% Layover/total time	:	4.8 %	Inbound				12.6
% Off-service/total distance	:	3.1 %	Outbound				12.2
			Average				
				Speed			
			Total :	11.6 In-serv. + layover			11.6

In-service trip pattern	- Inbound	Distances
Layover - Ross Garage Terminal	/ 7th St at Penn Ave	33 * 8.912 = 294.0925

In-service trip pattern	- Outbound	Distances
7th St at Penn Ave	/ Layover - Ross Garage Terminal	33 * 9.304 = 307.0263

Off-service trip pattern		Distances
Ross Garage	/ Layover - Ross Garage Terminal	25 * 0.026 = 0.6619
Layover - Ross Garage Terminal	/ Ross Garage	24 * 0.103 = 2.4695
Layover - Ross Garage Terminal	/ Chatham St at Centre Ave	1 * 5.450 = 5.4496
Layover - Ross Garage Terminal	/ Penn Ave at Garrison Pl	1 * 5.116 = 5.1164
Layover - Ross Garage Terminal	/ North Hills Village Terminus	1 * 3.139 = 3.1395
Layover - Ross Garage Terminal	/ West View Plaza Terminus	1 * 2.210 = 2.2098

Route 018 Manchester
 ROUTE OVERVIEW

First pull-out	:	4:51						
Last pull-in	:	18:32						
Number of blocks	:	2						
Number at garage	:	10						
Pull-out/Pull-in	:	2/ 2	/	/	/	/	/	
Number of in-service trips	:	23	In-service distance					69.386
Off-service duration	:	0h56	Off-service distance					25.760
In-service duration	:	5h10						
Loading duration	:	0h00	Total distance					95.146
Layover duration	:	2h11						
Total duration	:	8h17						
% Off-service/total time	:	11.3 %	In-service speed					
% Layover/total time	:	26.4 %	Inbound					11.9
% Off-service/total distance	:	27.1 %	Outbound					15.0
			Average					13.4
				Speed				
			Total :	11.5 In-serv. + layover				9.4

In-service trip pattern	- Inbound	Distances
Island Ave at Beaver Ave	/ Allegheny Station Bay 2	12 * 2.572 = 30.8593

In-service trip pattern	- Outbound	Distances
Allegheny Station Bay 2	/ Island Ave at Beaver Ave	11 * 3.501 = 38.5146

Off-service trip pattern	Distances
Allegheny Station Bay 2 / Ross Garage	2 * 7.540 = 15.0799
Ross Garage / Allegheny Station Bay 2	1 * 6.073 = 6.0726
Ross Garage / Island Ave at Beaver Ave	1 * 4.607 = 4.6073

Route 019L Emsworth Limited
 ROUTE OVERVIEW

First pull-out	:	5:33					
Last pull-in	:	19:21					
Number of blocks	:	12					
Number at garage	:	10					
Pull-out/Pull-in	:	10/ 11 / / / / /					
Number of in-service trips	:	21	In-service distance				203.823
Off-service duration	:	8h29	Off-service distance				226.327
In-service duration	:	15h02					
Loading duration	:	0h00					
Layover duration	:	3h33	Total distance				430.150
Total duration	:	27h04					
% Off-service/total time	:	31.3 %	In-service speed				
% Layover/total time	:	13.1 %	Outbound				14.0
% Off-service/total distance	:	52.6 %	Inbound				13.2
			Average				13.6
				Speed			
			Total :	15.9 In-serv. + layover			11.0

In-service trip pattern	- Inbound	Distances
Center Ave at Walliston Ave	/ Grant St at USX Stop B	11 * 9.148 = 100.6298

In-service trip pattern	- Outbound	Distances
Chatham St at Centre Ave	/ Center Ave at Walliston Ave	10 * 9.192 = 91.9239

Off-service trip pattern		Distances
Center Ave at Walliston Ave	/ Ross Garage	6 * 6.013 = 36.0799
Grant St at USX Stop B	/ Center Ave at Walliston Ave	5 * 10.918 = 54.5883
Ross Garage	/ Center Ave at Walliston Ave	5 * 5.972 = 29.860
Grant St at USX Stop B	/ Ross Garage	5 * 5.447 = 27.235
Center Ave at Walliston Ave	/ Chatham St at Centre Ave	4 * 10.718 = 42.8733
Ross Garage	/ Chatham St at Centre Ave	4 * 5.568 = 22.2722
Grant St at USX Stop B	/ West View Plaza Terminus	1 * 6.724 = 6.7244
Ross Garage	/ Center Ave at Walliston Ave	1 * 6.092 = 6.0924

Route 020 Kennedy
 ROUTE OVERVIEW

First pull-out	:	4:13					
Last pull-in	:	21:10					
Number of blocks	:	15					
Number at garage	:	24					
Pull-out/Pull-in	:	14/ 14	/	/	/	/	/
Number of in-service trips	:	46	In-service distance				706.996
Off-service duration	:	9h39	Off-service distance				260.104
In-service duration	:	34h11					
Loading duration	:	0h00					
Layover duration	:	3h13	Total distance				967.101
Total duration	:	47h03					
% Off-service/total time	:	20.5 %	In-service speed				
% Layover/total time	:	6.8 %	Inbound				19.6
% Off-service/total distance	:	26.9 %	Outbound				21.9
			Average				20.7
				Speed			
			Total :	20.6 In-serv. + layover			18.9

In-service trip pattern	- Inbound	Distances
Kennedy Center (Giant Eagle)	/ Stanwix St past Penn Ave	23 * 15.384 = 353.8358

In-service trip pattern	- Outbound	Distances
Stanwix St past Penn Ave	/ Kennedy Center (Giant Eagle)	23 * 15.388 = 353.9208

Off-service trip pattern	Distances
Kennedy Center (Giant Eagle) / Collier Garage	14 * 9.527 = 133.3712
Collier Garage / Kennedy Center (Giant Eagle)	14 * 8.570 = 119.9744
Kennedy Center (Giant Eagle) / Liberty Ave at Wm Penn Pl	1 * 6.759 = 6.7587

Route 021 Coraopolis
 ROUTE OVERVIEW

First pull-out	:	4:22					
Last pull-in	:	25:02					
Number of blocks	:	21					
Number at garage	:	24					
Pull-out/Pull-in	:	19/ 20	/	/	/	/	/
Number of in-service trips	:	61	In-service distance				779.442
Off-service duration	:	16h10	Off-service distance				610.234
In-service duration	:	47h42					
Loading duration	:	0h00					
Layover duration	:	5h08	Total distance				1389.677
Total duration	:	69h00					
% Off-service/total time	:	23.4 %	In-service speed				
% Layover/total time	:	7.4 %	Inbound				16.3
% Off-service/total distance	:	43.9 %	Outbound				16.3
			Average				16.3
			Speed				
			Total : 20.1 In-serv. + layover				14.8

In-service trip pattern	- Inbound	Distances
University Blvd Park and Ride	/ Stanwix St past Penn Ave	15 * 17.570 = 263.5435
Bank St at Walnut St	/ Stanwix St past Penn Ave	15 * 14.387 = 215.8071
Stanwix St at Fourth Ave	/ Stanwix St past Penn Ave	1 * 0.143 = 0.1429

In-service trip pattern	- Outbound	Distances
Stanwix St past Penn Ave	/ University Blvd Park and Ride	15 * 17.831 = 267.471
Stanwix St past Penn Ave	/ Bank St at Walnut St	15 * 15.444 = 231.6622

Off-service trip pattern		Distances
University Blvd Park and Ride	/ Collier Garage	11 * 14.476 = 159.2398
Collier Garage	/ Bank St at Walnut St	9 * 16.953 = 152.5737
Collier Garage	/ University Blvd Park and Ride	9 * 14.365 = 129.2886
Bank St at Walnut St	/ Collier Garage	8 * 16.599 = 132.7953
Bank St at Walnut St	/ Layover - Penn Park Terminal	1 * 13.511 = 13.5115
Stanwix St past Penn Ave	/ Collier Garage	1 * 11.813 = 11.8126
Collier Garage	/ Stanwix St at Fourth Ave	1 * 11.013 = 11.0131

Route 022 McCoy
 ROUTE OVERVIEW

First pull-out	:	4:58					
Last pull-in	:	23:20					
Number of blocks	:	10					
Number at garage	:	24					
Pull-out/Pull-in	:	9/ 10 / / / / /					
Number of in-service trips	:	50	In-service distance			:	438.174
Off-service duration	:	6h26	Off-service distance			:	172.392
In-service duration	:	25h14					
Loading duration	:	0h00					
Layover duration	:	5h46	Total distance			:	610.566
Total duration	:	37h26					
% Off-service/total time	:	17.2 %	In-service speed			:	15.8
% Layover/total time	:	15.4 %	Inbound			:	19.2
% Off-service/total distance	:	28.2 %	Outbound			:	17.4
			Average				
				Speed			
			Total :	16.3 In-serv. + layover		:	14.1

In-service trip pattern	- Inbound	Distances
Kennedy Center (Giant Eagle)	/ Stanwix St past Penn Ave	25 * 8.769 = 219.2221

In-service trip pattern	- Outbound	Distances
Stanwix St past Penn Ave	/ Kennedy Center (Giant Eagle)	25 * 8.788 = 219.6899

Off-service trip pattern	Distances
Kennedy Center (Giant Eagle) / Collier Garage	10 * 9.527 = 95.2652
Collier Garage / Kennedy Center (Giant Eagle)	9 * 8.570 = 77.1264

Route 024 West Park
 ROUTE OVERVIEW

First pull-out	:	4:25					
Last pull-in	:	23:23					
Number of blocks	:	19					
Number at garage	:	24					
Pull-out/Pull-in	:	17/ 18	/	/	/	/	/
Number of in-service trips	:	58	In-service distance				745.030
Off-service duration	:	12h49	Off-service distance				360.677
In-service duration	:	42h33					
Loading duration	:	0h00					
Layover duration	:	5h11	Total distance				1105.707
Total duration	:	60h33					
% Off-service/total time	:	21.2 %	In-service speed				16.0
% Layover/total time	:	8.6 %	Inbound				19.4
% Off-service/total distance	:	32.6 %	Outbound				17.5
			Average				
				Speed			
			Total :	18.3 In-serv. + layover			15.6

In-service trip pattern	- Inbound	Distances
Mall at Robinson (Entrance K)	/ Stanwix St past Penn Ave	18 * 14.940 = 268.9268
Kennedy Center (Giant Eagle)	/ Stanwix St past Penn Ave	8 * 7.205 = 57.6405
Mall at Robinson (Entrance K)	/ Stanwix St past Penn Ave	3 * 15.872 = 47.6161

In-service trip pattern	- Outbound	Distances
Stanwix St past Penn Ave	/ Mall at Robinson (Entrance K)	18 * 14.941 = 268.9381
Stanwix St past Penn Ave	/ Kennedy Center (Giant Eagle)	8 * 7.239 = 57.912
Stanwix St past Penn Ave	/ Mall at Robinson (Entrance K)	3 * 15.873 = 47.618

Off-service trip pattern	Distances
Collier Garage	/ Mall at Robinson (Entrance K)
Mall at Robinson (Entrance K)	/ Collier Garage
Kennedy Center (Giant Eagle)	/ Collier Garage
Collier Garage	/ Kennedy Center (Giant Eagle)
Mall at Robinson (Entrance K)	/ Penn Ave at Garrison Pl
	14 * 10.471 = 146.5988
	14 * 9.870 = 138.1837
	4 * 9.527 = 38.1061
	3 * 8.570 = 25.7088
	1 * 12.080 = 12.0801

Route 026 Chartiers
 ROUTE OVERVIEW

First pull-out	:	4:42					
Last pull-in	:	25:32					
Number of blocks	:	19					
Number at garage	:	24					
Pull-out/Pull-in	:	15/ 11 / / / / /					
Number of in-service trips	:	70	In-service distance			:	495.195
Off-service duration	:	9h48	Off-service distance			:	216.490
In-service duration	:	34h36					
Loading duration	:	0h00					
Layover duration	:	7h03	Total distance			:	711.684
Total duration	:	51h27					
% Off-service/total time	:	19.0 %	In-service speed			:	14.0
% Layover/total time	:	13.7 %	Inbound			:	14.7
% Off-service/total distance	:	30.4 %	Outbound			:	14.3
			Average				
				Speed			
			Total :	13.8 In-serv. + layover		:	11.9

In-service trip pattern	- Inbound	Distances
Layover - Crafton-Ingram Shopping Ctr	/ Stanwix St at Gateway #2	20 * 7.214 = 144.2826
Crafton Ingram SC at Rite-Aid	/ Stanwix St at Gateway #2	15 * 7.124 = 106.8659

In-service trip pattern	- Outbound	Distances
Stanwix St at Gateway #2	/ Layover - Crafton-Ingram Shopping Ctr	24 * 7.010 = 168.2477
Stanwix St at Gateway #2	/ Crafton Ingram SC at Bank (Citizens)	11 * 6.887 = 75.7569

Off-service trip pattern		Distances
Collier Garage	/ Crafton Ingram SC at Rite-Aid	15 * 6.574 = 98.6099
Crafton Ingram SC at Bank (Citizens)	/ Collier Garage	11 * 9.468 = 104.150
Layover - Crafton-Ingram Shopping Ctr	/ Layover - Penn Park Terminal	1 * 5.507 = 5.5068
Layover - Crafton-Ingram Shopping Ctr	/ Kennedy Center (Giant Eagle)	1 * 4.239 = 4.2389
Layover - Crafton-Ingram Shopping Ctr	/ Blvd of Allies At Post Gazette Bldg	1 * 3.984 = 3.9839

Route 027 Fairywood
 ROUTE OVERVIEW

First pull-out	:	4:26					
Last pull-in	:	23:01					
Number of blocks	:	19					
Number at garage	:	24					
Pull-out/Pull-in	:	13/ 15	/	/	/	/	/
Number of in-service trips	:	66	In-service distance				541.146
Off-service duration	:	10h14	Off-service distance				233.748
In-service duration	:	34h26					
Loading duration	:	0h00	Total distance				774.894
Layover duration	:	6h29					
Total duration	:	51h09					
% Off-service/total time	:	20.0 %	In-service speed				
% Layover/total time	:	12.7 %	Inbound				16.1
% Off-service/total distance	:	30.2 %	Outbound				15.3
			Average				15.7
				Speed			
			Total :	15.1 In-serv. + layover			13.2

In-service trip pattern	- Inbound	Distances
Layover - Crafton-Ingram Shopping Ctr	/ Stanwix St at Gateway #2	20 * 8.345 = 166.892
Crafton Ingram SC at Rite-Aid	/ Stanwix St at Gateway #2	13 * 8.255 = 107.3133

In-service trip pattern	- Outbound	Distances
Stanwix St at Gateway #2	/ Layover - Crafton-Ingram Shopping Ctr	19 * 8.141 = 154.6751
Stanwix St at Gateway #2	/ Crafton Ingram SC at Bank (Citizens)	14 * 8.017 = 112.2445

Off-service trip pattern		Distances
Crafton Ingram SC at Bank (Citizens)	/ Collier Garage	14 * 9.468 = 132.5545
Collier Garage	/ Crafton Ingram SC at Rite-Aid	13 * 6.574 = 85.462
Layover - Crafton-Ingram Shopping Ctr	/ Collier Garage	1 * 10.225 = 10.2249
Layover - Crafton-Ingram Shopping Ctr	/ Layover - Penn Park Terminal	1 * 5.507 = 5.5068

Route 028X Airport Flyer
ROUTE OVERVIEW

First pull-out	:	3:16					
Last pull-in	:	25:10					
Number of blocks	:	40					
Number at garage	:	56					
Pull-out/Pull-in	:	24/ 34	/	/	/	/	/
Number of in-service trips	:	80	In-service distance				2169.793
Off-service duration	:	1h54	Off-service distance				37.559
In-service duration	:	88h55					
Loading duration	:	0h00					
Layover duration	:	15h56	Total distance				2207.352
Total duration	:	106h45					
% Off-service/total time	:	1.8 %	In-service speed				25.0
% Layover/total time	:	14.9 %	Outbound				23.8
% Off-service/total distance	:	1.7 %	Inbound				24.4
			Average				
				Speed			
			Total :	20.7 In-serv. + layover			20.7

In-service trip pattern	- Inbound	Distances
Pgh Intern'l Airport Lower Level(Door 6)	/ Fifth Ave Ramp at East Liberty Garage	38 * 27.778 = 1055.5493
Pgh Intern'l Airport Lower Level(Door 6)	/ Layover - East Liberty Terminal	2 * 28.117 = 56.2344

In-service trip pattern	- Outbound	Distances
Fifth Ave opp. McPherson St	/ Pgh Intern'l Airport Lower Level(Door 6)	29 * 27.653 = 801.9489
Layover - East Liberty Terminal	/ Pgh Intern'l Airport Lower Level(Door 6)	11 * 27.962 = 307.5798

Off-service trip pattern		Distances
Fifth Ave Ramp at East Liberty Garage	/ East Liberty Garage	34 * 0.178 = 6.0472
East Liberty Garage	/ Fifth Ave opp. McPherson St	24 * 0.245 = 5.8905
Fifth Ave Ramp at East Liberty Garage	/ Layover - Penn Park Terminal	3 * 4.896 = 14.689
Layover - Brushton Terminal	/ Fifth Ave opp. McPherson St	3 * 1.334 = 4.0006
Layover - East Liberty Terminal	/ Fox Chapel Term(Old Freeport-Freeport)	1 * 5.600 = 5.5999
Fifth Ave Ramp at East Liberty Garage	/ Layover - Brushton Terminal	1 * 1.332 = 1.3321

Route 029 Robinson
ROUTE OVERVIEW

First pull-out	:	4:58					
Last pull-in	:	24:09					
Number of blocks	:	15					
Number at garage	:	24					
Pull-out/Pull-in	:	15/ 14	/	/	/	/	/
Number of in-service trips	:	44	In-service distance				795.542
Off-service duration	:	11h21	Off-service distance				359.074
In-service duration	:	45h16					
Loading duration	:	0h00					
Layover duration	:	3h34	Total distance				1154.616
Total duration	:	60h11					
% Off-service/total time	:	18.9 %	In-service speed				17.4
% Layover/total time	:	5.9 %	Inbound				17.8
% Off-service/total distance	:	31.1 %	Outbound				17.6
			Average				
			Speed				
			Total : 19.2 In-serv. + layover				16.3

In-service trip pattern	- Inbound	Distances
Pittsburgh Technical Institute	/ Penn Ave at Garrison PI	22 * 18.137 = 399.0075

In-service trip pattern	- Outbound	Distances
Penn Ave at Garrison PI	/ Pittsburgh Technical Institute	22 * 18.025 = 396.540

Off-service trip pattern	Distances
Collier Garage / Pittsburgh Technical Institute	13 * 12.141 = 157.8363
Pittsburgh Technical Institute / Collier Garage	12 * 11.802 = 141.623
Collier Garage / Penn Ave at Garrison PI	2 * 13.299 = 26.5981
Penn Ave at Garrison PI / Collier Garage	2 * 11.996 = 23.9915
Pittsburgh Technical Institute / University Blvd Park and Ride	1 * 9.025 = 9.0253

Route 031 Bridgeville
 ROUTE OVERVIEW

First pull-out	:	4:50					
Last pull-in	:	23:55					
Number of blocks	:	24					
Number at garage	:	24					
Pull-out/Pull-in	:	22/ 21	/	/	/	/	/
Number of in-service trips	:	68	In-service distance				840.107
Off-service duration	:	7h28	Off-service distance				87.718
In-service duration	:	64h19					
Loading duration	:	0h00					
Layover duration	:	4h30	Total distance				927.825
Total duration	:	76h17					
% Off-service/total time	:	9.8 %	In-service speed				
% Layover/total time	:	5.9 %	Inbound				12.5
% Off-service/total distance	:	9.5 %	Outbound				13.7
			Average				13.1
			Speed				
			Total : 12.2 In-serv. + layover				12.2

In-service trip pattern	- Inbound	Distances
South Fayette Park-and-Ride	/ Penn Ave at Garrison PI	34 * 12.454 = 423.4442

In-service trip pattern	- Outbound	Distances
Penn Ave at Garrison PI	/ South Fayette Park-and-Ride	34 * 12.255 = 416.6855

Off-service trip pattern		Distances
Collier Garage	/ South Fayette Park-and-Ride	22 * 1.671 = 36.7625
South Fayette Park-and-Ride	/ Collier Garage	21 * 1.714 = 36.0015
South Fayette Park-and-Ride	/ Penn Ave at Garrison PI	1 * 14.954 = 14.9541

Route 036 Banksville
 ROUTE OVERVIEW

First pull-out	:	4:50					
Last pull-in	:	20:30					
Number of blocks	:	12					
Number at garage	:	24					
Pull-out/Pull-in	:	11/ 10 / / / / /					
Number of in-service trips	:	42	In-service distance			:	425.802
Off-service duration	:	7h41	Off-service distance			:	127.918
In-service duration	:	26h59					
Loading duration	:	0h00					
Layover duration	:	5h14	Total distance			:	553.719
Total duration	:	39h54					
% Off-service/total time	:	19.3 %	In-service speed			:	16.2
% Layover/total time	:	13.1 %	Inbound			:	15.4
% Off-service/total distance	:	23.1 %	Outbound			:	15.8
			Average				
				Speed			
			Total :	13.9 In-serv. + layover		:	13.2

In-service trip pattern	- Inbound	Distances
Village Drive (Stairtower)	/ Blvd of Allies At Post Gazette Bldg	21 * 9.311 = 195.5231

In-service trip pattern	- Outbound	Distances
Blvd of Allies At Post Gazette Bldg	/ Village Drive (Stairtower)	21 * 11.045 = 231.9394

Off-service trip pattern	Distances
Collier Garage / Village Drive (Stairtower)	11 * 5.528 = 60.8042
Village Drive (Stairtower) / Collier Garage	10 * 5.242 = 52.4172
Village Drive (Stairtower) / Layover - Crafton-Ingram Shopping Ctr	1 * 9.366 = 9.3661
Village Drive (Stairtower) / Chartiers Valley SC Terminus	1 * 5.330 = 5.3303

Route 038 Green Tree
 ROUTE OVERVIEW

First pull-out	:	5:18					
Last pull-in	:	22:55					
Number of blocks	:	42					
Number at garage	:	24					
Pull-out/Pull-in	:	31/ 36	/	/	/	/	/
Number of in-service trips	:	123	In-service distance		:	1244.093	
Off-service duration	:	14h32	Off-service distance		:	259.412	
In-service duration	:	82h21					
Loading duration	:	0h00					
Layover duration	:	15h18	Total distance		:	1503.506	
Total duration	:	112h11					
% Off-service/total time	:	13.0 %	In-service speed		:	15.0	
% Layover/total time	:	13.6 %	Inbound		:	15.2	
% Off-service/total distance	:	17.3 %	Outbound		:	15.1	
			Average				
				Speed			
			Total :	13.4 In-serv. + layover	:	12.7	

In-service trip pattern	- Inbound	Distances
Parse Way at Mt Lebanon T Steps	/ Blvd of Allies At Post Gazette Bldg	25 * 7.873 = 196.8262
Chartiers Valley SC Terminus	/ Blvd of Allies At Post Gazette Bldg	19 * 10.926 = 207.5962
Chartiers Valley SC Terminus	/ Blvd of Allies At Post Gazette Bldg	17 * 11.923 = 202.6957

In-service trip pattern	- Outbound	Distances
Blvd of Allies At Post Gazette Bldg	/ Parse Way at Mt Lebanon T Steps	27 * 8.299 = 224.0673
Blvd of Allies At Post Gazette Bldg	/ Chartiers Valley SC Terminus	20 * 11.362 = 227.2405
Blvd of Allies At Post Gazette Bldg	/ Chartiers Valley SC Terminus	15 * 12.379 = 185.6866

Off-service trip pattern		Distances
Collier Garage	/ Chartiers Valley SC Terminus	19 * 0.662 = 12.5731
Chartiers Valley SC Terminus	/ Collier Garage	19 * 0.433 = 8.2236
Parse Way at Mt Lebanon T Steps	/ Collier Garage	15 * 5.653 = 84.7909
Collier Garage	/ Parse Way at Mt Lebanon T Steps	10 * 5.920 = 59.2004
Blvd of Allies At Post Gazette Bldg	/ Collier Garage	2 * 12.080 = 24.1592
Collier Garage	/ Blvd of Allies At Post Gazette Bldg	2 * 10.889 = 21.778
Chartiers Valley SC Terminus	/ University Blvd Park and Ride	1 * 14.752 = 14.7522
Chartiers Valley SC Terminus	/ Liberty Ave at Wm Penn Pl	1 * 9.723 = 9.7228
Chartiers Valley SC Terminus	/ Kennedy Center (Giant Eagle)	1 * 8.619 = 8.6185
Parse Way at Mt Lebanon T Steps	/ Layover - Crafton-Ingram Shopping Ctr	1 * 6.003 = 6.003
Chartiers Valley SC Terminus	/ Parse Way at Mt Lebanon T Steps	1 * 5.839 = 5.8385
Chartiers Valley SC Terminus	/ Lesnett Rd at Bank St	1 * 1.897 = 1.8973
Chartiers Valley SC Terminus	/ South Fayette Park-and-Ride	1 * 1.855 = 1.8549

Route 039 Brookline
ROUTE OVERVIEW

First pull-out	:	4:14					
Last pull-in	:	24:06					
Number of blocks	:	26					
Number at garage	:	24					
Pull-out/Pull-in	:	22/ 22	/	/	/	/	/
Number of in-service trips	:	94	In-service distance				563.408
Off-service duration	:	21h41	Off-service distance				517.985
In-service duration	:	49h49					
Loading duration	:	0h00					
Layover duration	:	10h02	Total distance				1081.393
Total duration	:	81h32					
% Off-service/total time	:	26.6 %	In-service speed				
% Layover/total time	:	12.3 %	Outbound				11.8
% Off-service/total distance	:	47.9 %	Inbound				10.9
			Average				11.3
			Speed				
			Total : 13.3 In-serv. + layover				9.4

In-service trip pattern	- Inbound	Distances
Altmar St opp. Reamer St	/ Layover - Penn Park Terminal	43 * 6.216 = 267.2816
Chelton Ave at Queensboro St	/ Altmar St opp. Reamer St	9 * 1.744 = 15.6926

In-service trip pattern	- Outbound	Distances
Layover - Penn Park Terminal	/ Altmar St opp. Reamer St	42 * 6.677 = 280.4502

Off-service trip pattern	Distances
Layover - Penn Park Terminal	14 * 12.880 = 180.3248
Collier Garage	13 * 13.690 = 177.973
Collier Garage	9 * 6.878 = 61.9024
Altmar St opp. Reamer St	8 * 7.791 = 62.3298
Layover - Penn Park Terminal	2 * 5.997 = 11.995
Layover - Penn Park Terminal	1 * 14.158 = 14.1585
Layover - Penn Park Terminal	1 * 9.302 = 9.302

Route 040 Mount Washington
 ROUTE OVERVIEW

First pull-out	:	5:34					
Last pull-in	:	25:48					
Number of blocks	:	12					
Number at garage	:	24					
Pull-out/Pull-in	:	10/ 10	/	/	/	/	/
Number of in-service trips	:	48	In-service distance				272.496
Off-service duration	:	9h00	Off-service distance				261.677
In-service duration	:	25h52					
Loading duration	:	0h00					
Layover duration	:	4h17	Total distance				534.173
Total duration	:	39h09					
% Off-service/total time	:	23.0 %	In-service speed				
% Layover/total time	:	10.9 %	Inbound				10.3
% Off-service/total distance	:	49.0 %	Outbound				10.8
			Average				10.5
				Speed			
			Total :	13.6 In-serv. + layover			9.0

In-service trip pattern	- Inbound	Distances
Fingal St at Rutledge St	/ Layover - Penn Park Terminal	24 * 5.793 = 139.035

In-service trip pattern	- Outbound	Distances
Layover - Penn Park Terminal	/ Fingal St at Rutledge St	24 * 5.563 = 133.5105

Off-service trip pattern	Distances
Collier Garage / Layover - Penn Park Terminal	8 * 13.690 = 109.5218
Layover - Penn Park Terminal / Collier Garage	8 * 12.880 = 103.0427
Fingal St at Rutledge St / Collier Garage	2 * 12.504 = 25.0078
Collier Garage / Fingal St at Rutledge St	2 * 12.052 = 24.105

Route 041 Bower Hill
 ROUTE OVERVIEW

First pull-out	:	4:47					
Last pull-in	:	25:02					
Number of blocks	:	23					
Number at garage	:	24					
Pull-out/Pull-in	:	21/ 19	/	/	/	/	/
Number of in-service trips	:	72	In-service distance				854.388
Off-service duration	:	7h10	Off-service distance				84.146
In-service duration	:	60h14					
Loading duration	:	0h00					
Layover duration	:	5h21	Total distance				938.534
Total duration	:	72h45					
% Off-service/total time	:	9.9 %	In-service speed				12.9
% Layover/total time	:	7.4 %	Inbound				15.8
% Off-service/total distance	:	9.0 %	Outbound				14.2
			Average				
				Speed			
			Total :	12.9 In-serv. + layover			13.0

In-service trip pattern	- Inbound	Distances
Lesnett Rd at Bank St	/ Sixth Ave at Smithfield St	36 * 12.103 = 435.705

In-service trip pattern	- Outbound	Distances
Sixth Ave at Smithfield St	/ Lesnett Rd at Bank St	36 * 11.631 = 418.7257

Off-service trip pattern	Distances
Collier Garage / Lesnett Rd at Bank St	21 * 1.713 = 35.982
Lesnett Rd at Bank St / Collier Garage	19 * 1.764 = 33.5102
Lesnett Rd at Bank St / Chartiers Valley SC Terminus	2 * 1.852 = 3.7046
Lesnett Rd at Bank St / Layover - West Busway Terminal	1 * 5.632 = 5.632
Lesnett Rd at Bank St / Parse Way at Mt Lebanon T Steps	1 * 5.317 = 5.3172

Route 043 Bailey
ROUTE OVERVIEW

First pull-out	:	5:30					
Last pull-in	:	24:39					
Number of blocks	:	8					
Number at garage	:	24					
Pull-out/Pull-in	:	8/ 8 / / / / /					
Number of in-service trips	:	44	In-service distance			:	224.642
Off-service duration	:	6h13	Off-service distance			:	196.908
In-service duration	:	19h40					
Loading duration	:	0h00					
Layover duration	:	3h43	Total distance			:	421.550
Total duration	:	29h36					
% Off-service/total time	:	21.0 %	In-service speed			:	10.8
% Layover/total time	:	12.6 %	Inbound			:	12.2
% Off-service/total distance	:	46.7 %	Outbound			:	11.4
			Average				
				Speed			
			Total :	14.2 In-serv. + layover		:	9.6

In-service trip pattern	- Inbound	Distances
SHJ Bus Turnaround Shelter	/ Sixth Ave at Smithfield St	22 * 5.189 = 114.1688

In-service trip pattern	- Outbound	Distances
Sixth Ave at Smithfield St	/ SHJ Bus Turnaround Shelter	22 * 5.022 = 110.4821

Off-service trip pattern	Distances
SHJ Bus Turnaround Shelter / Collier Garage	8 * 12.658 = 101.2627
Collier Garage / SHJ Bus Turnaround Shelter	8 * 11.956 = 95.6453

Route 044 Knoxville
ROUTE OVERVIEW

First pull-out	:	4:45					
Last pull-in	:	24:35					
Number of blocks	:	25					
Number at garage	:	24					
Pull-out/Pull-in	:	23/ 23	/	/	/	/	/
Number of in-service trips	:	64	In-service distance				743.136
Off-service duration	:	22h03	Off-service distance				642.565
In-service duration	:	55h51					
Loading duration	:	0h00	Total distance				1385.701
Layover duration	:	4h42					
Total duration	:	82h36					
% Off-service/total time	:	26.7 %	In-service speed				
% Layover/total time	:	5.7 %	Outbound				13.8
% Off-service/total distance	:	46.4 %	Inbound				12.9
			Average				13.3
				Speed			
			Total :	16.8 In-serv. + layover			12.3

In-service trip pattern	- Inbound	Distances
Churchview Garden Apartments	/ Layover - Penn Park Terminal	32 * 11.279 = 360.9364

In-service trip pattern	- Outbound	Distances
Layover - Penn Park Terminal	/ Churchview Garden Apartments	32 * 11.944 = 382.2236

Off-service trip pattern	Distances
Collier Garage / Layover - Penn Park Terminal	19 * 13.690 = 260.1143
Layover - Penn Park Terminal / Collier Garage	19 * 12.880 = 244.7265
Churchview Garden Apartments / Collier Garage	4 * 17.473 = 69.8927
Collier Garage / Churchview Garden Apartments	4 * 16.958 = 67.8313

Route 048 Arlington
 ROUTE OVERVIEW

First pull-out	:	4:44					
Last pull-in	:	25:04					
Number of blocks	:	20					
Number at garage	:	24					
Pull-out/Pull-in	:	19/ 19	/	/	/	/	/
Number of in-service trips	:	88	In-service distance				538.603
Off-service duration	:	15h08	Off-service distance				469.724
In-service duration	:	52h32					
Loading duration	:	0h00					
Layover duration	:	9h00	Total distance				1008.327
Total duration	:	76h40					
% Off-service/total time	:	19.7 %	In-service speed				
% Layover/total time	:	11.7 %	Inbound				9.4
% Off-service/total distance	:	46.6 %	Outbound				11.2
			Average				10.3
			Speed				
			Total : 13.2 In-serv. + layover				8.8

In-service trip pattern	- Inbound	Distances
SHJ Bus Turnaround Shelter	/ Sixth Ave at Smithfield St	44 * 6.203 = 272.9475

In-service trip pattern	- Outbound	Distances
Sixth Ave at Smithfield St	/ SHJ Bus Turnaround Shelter	44 * 6.037 = 265.6325

Off-service trip pattern	Distances
SHJ Bus Turnaround Shelter / Collier Garage	19 * 12.658 = 240.499
Collier Garage / SHJ Bus Turnaround Shelter	19 * 11.956 = 227.1576
SHJ Bus Turnaround Shelter / Liberty Ave at Wm Penn Pl	1 * 2.067 = 2.0674

Route 051 Carrick
 ROUTE OVERVIEW

First pull-out	:	3:47					
Last pull-in	:	26:05					
Number of blocks	:	67					
Number at garage	:	46					
Pull-out/Pull-in	:	54/ 61	/	/	/	/	/
Number of in-service trips	:	206	In-service distance				1989.073
Off-service duration	:	16h17	Off-service distance				316.183
In-service duration	:	159h06					
Loading duration	:	0h00					
Layover duration	:	15h58	Total distance				2305.256
Total duration	:	191h21					
% Off-service/total time	:	8.5 %	In-service speed				11.8
% Layover/total time	:	8.3 %	Inbound				13.3
% Off-service/total distance	:	13.7 %	Outbound				12.5
			Average				
				Speed			
			Total :	12.0 In-serv. + layover			11.4

In-service trip pattern	- Inbound	Distances
Brentwood Loop	/ Sixth Ave at Smithfield St	58 * 6.485 = 376.1443
Lebanon Rd past Noble Dr	/ Sixth Ave at Smithfield St	27 * 13.914 = 375.6856
Layover - West Mifflin Garage	/ Sixth Ave at Smithfield St	14 * 14.412 = 201.7731
Lebanon Rd past Noble Dr	/ Sixth Ave at Smithfield St	4 * 12.066 = 48.2636

In-service trip pattern	- Outbound	Distances
Sixth Ave at Smithfield St	/ Brentwood Loop	58 * 6.383 = 370.2333
Sixth Ave at Smithfield St	/ Lebanon Rd at Noble Dr	30 * 14.073 = 422.2011
Sixth Ave at Smithfield St	/ Layover - West Mifflin Garage	10 * 14.481 = 144.811
Sixth Ave at Smithfield St	/ Lebanon Rd at Noble Dr	5 * 12.118 = 60.5898

Off-service trip pattern	Distances
Lebanon Rd at Noble Dr	34 * 0.401 = 13.6419
West Mifflin Garage	31 * 0.467 = 14.4902
West Mifflin Garage	21 * 5.443 = 114.3028
Brentwood Loop	20 * 4.892 = 97.842
Brentwood Loop	7 * 5.327 = 37.2891
West Mifflin Garage	2 * 5.492 = 10.9836
Layover - West Mifflin Garage	1 * 9.676 = 9.6755
Layover - West Mifflin Garage	1 * 7.865 = 7.8654
Layover - West Mifflin Garage	1 * 6.979 = 6.9788
Lebanon Rd at Noble Dr	1 * 5.134 = 5.1337

Route 051L Carrick Limited
 ROUTE OVERVIEW

First pull-out	:	5:47					
Last pull-in	:	18:39					
Number of blocks	:	14					
Number at garage	:	46					
Pull-out/Pull-in	:	11/ 8 / / / / /					
Number of in-service trips	:	26	In-service distance			:	122.263
Off-service duration	:	10h38	Off-service distance			:	192.990
In-service duration	:	11h49					
Loading duration	:	0h00					
Layover duration	:	1h33	Total distance			:	315.253
Total duration	:	24h00					
% Off-service/total time	:	44.3 %	In-service speed			:	9.9
% Layover/total time	:	6.5 %	Inbound			:	10.9
% Off-service/total distance	:	61.2 %	Outbound			:	10.3
			Average				
			Speed				
			Total : 13.1 In-serv. + layover			:	9.1

In-service trip pattern	- Inbound	Distances
Fort Pitt Blvd past Smithfield St	/ Sixth Ave at Smithfield St	9 * 0.509 = 4.5765
Brownsville Rd at Dewalt Ave	/ Sixth Ave at Smithfield St	8 * 7.320 = 58.5606

In-service trip pattern	- Outbound	Distances
Sixth Ave at Smithfield St	/ Brownsville Rd at Town Square Drwy	9 * 6.570 = 59.1302

Off-service trip pattern	Distances
West Mifflin Garage	/ Fort Pitt Blvd past Smithfield St
Sixth Ave at Smithfield St	/ West Mifflin Garage
Brownsville Rd at Town Square Drwy	/ South Busway at Edgebrook Stop (inbound)
West Mifflin Garage	/ Brownsville Rd at Dewalt Ave
South Busway at Edgebrook Stop (outbound)	/ Brownsville Rd at Dewalt Ave
Brownsville Rd at Town Square Drwy	/ West Mifflin Garage
Sixth Ave at Smithfield St	/ South Busway at Edgebrook Stop (outbound)
Sixth Ave at Smithfield St	/ Large Park-and-Ride Terminal
Brownsville Rd at Town Square Drwy	/ Layover - West Mifflin Garage
South Busway at Edgebrook Stop (inbound)	/ Fort Pitt Blvd past Smithfield St
	7 * 8.284 = 57.9881
	5 * 8.425 = 42.125
	5 * 3.504 = 17.5195
	4 * 4.734 = 18.9364
	4 * 3.337 = 13.347
	3 * 5.045 = 15.1348
	2 * 3.097 = 6.1944
	1 * 13.345 = 13.3455
	1 * 5.051 = 5.0514
	1 * 3.000 = 3.0002

Route 052L Homeville Limited
 ROUTE OVERVIEW

First pull-out	:	5:11						
Last pull-in	:	19:31						
Number of blocks	:	8						
Number at garage	:	46						
Pull-out/Pull-in	:	8/ 5 / / / / /						
Number of in-service trips	:	20	In-service distance				:	218.452
Off-service duration	:	5h37	Off-service distance				:	120.698
In-service duration	:	14h04						
Loading duration	:	0h00						
Layover duration	:	1h33	Total distance				:	339.150
Total duration	:	21h14						
% Off-service/total time	:	26.5 %	In-service speed				:	16.7
% Layover/total time	:	7.3 %	Inbound				:	14.5
% Off-service/total distance	:	35.6 %	Outbound				:	15.5
			Average					
			Speed					
			Total : 16.0 In-serv. + layover				:	14.0

In-service trip pattern	- Inbound	Distances
Library PI at 1st St	/ Blvd of the Allies at Stanwix St	8 * 13.379 = 107.0329
Second Ave opp. Municipal Courts Dr	/ Blvd of the Allies at Stanwix St	4 * 0.562 = 2.2491

In-service trip pattern	- Outbound	Distances
Blvd of the Allies at Stanwix St	/ Library PI at 1st St	8 * 13.670 = 109.3621

Off-service trip pattern	Distances
West Mifflin Garage	/ Second Ave opp. Municipal Courts Dr
West Mifflin Garage	/ Library PI at 1st St
Library PI at 1st St	/ West Mifflin Garage
Blvd of the Allies at Stanwix St	/ West Mifflin Garage
Blvd of the Allies at Stanwix St	/ Layover - Waterfront Terminal
Library PI at 1st St	/ McKeesport Transportation Ctr Bay #2

Route 053L Homestead Park Limited
 ROUTE OVERVIEW

First pull-out	:	4:47					
Last pull-in	:	24:19					
Number of blocks	:	28					
Number at garage	:	46					
Pull-out/Pull-in	:	23/ 21	/	/	/	/	/
Number of in-service trips	:	55	In-service distance				919.108
Off-service duration	:	2h32	Off-service distance				40.012
In-service duration	:	58h45					
Loading duration	:	0h00					
Layover duration	:	1h48	Total distance				959.120
Total duration	:	63h05					
% Off-service/total time	:	4.0 %	In-service speed				16.3
% Layover/total time	:	2.9 %	Inbound				15.2
% Off-service/total distance	:	4.2 %	Outbound				15.6
			Average				
				Speed			
			Total :	15.2 In-serv. + layover			15.2

In-service trip pattern	- Inbound	Distances
Layover - West Mifflin Garage	/ Blvd of the Allies at Stanwix St	16 * 17.048 = 272.7627
Lebanon Rd past Noble Dr	/ Blvd of the Allies at Stanwix St	6 * 14.451 = 86.7058
Layover - West Mifflin Garage	/ Blvd of the Allies at Stanwix St	4 * 16.094 = 64.378
Second Ave opp. Municipal Courts Dr	/ Blvd of the Allies at Stanwix St	3 * 0.562 = 1.6868

In-service trip pattern	- Outbound	Distances
Blvd of the Allies at Stanwix St	/ Layover - West Mifflin Garage	19 * 20.001 = 380.018
Blvd of the Allies at Stanwix St	/ Layover - West Mifflin Garage	7 * 17.009 = 119.0605

Off-service trip pattern		Distances
Layover - West Mifflin Garage	/ West Mifflin Garage	19 * 0.086 = 1.6355
West Mifflin Garage	/ Layover - West Mifflin Garage	15 * 0.086 = 1.2909
West Mifflin Garage	/ Lebanon Rd past Noble Dr	6 * 0.467 = 2.8045
Blvd of the Allies at Stanwix St	/ West Mifflin Garage	2 * 8.636 = 17.2715
West Mifflin Garage	/ Second Ave opp. Municipal Courts Dr	2 * 7.872 = 15.7438
Blvd of the Allies at Stanwix St	/ Layover - Penn Park Terminal	1 * 1.266 = 1.266

Route 054 North Side-Oakland-South Side
 ROUTE OVERVIEW

First pull-out	:	3:16					
Last pull-in	:	26:46					
Number of blocks	:	45					
Number at garage	:	10					
Pull-out/Pull-in	:	44/ 44	/	/	/	/	/
Number of in-service trips	:	114	In-service distance				1296.333
Off-service duration	:	23h55	Off-service distance				553.616
In-service duration	:	123h35					
Loading duration	:	0h00					
Layover duration	:	26h51	Total distance				1849.949
Total duration	:	174h21					
% Off-service/total time	:	13.7 %	In-service speed				11.0
% Layover/total time	:	15.4 %	Inbound				9.9
% Off-service/total distance	:	29.9 %	Outbound				10.5
			Average				
				Speed			
			Total :	10.6 In-serv. + layover			8.6

In-service trip pattern	- Inbound	Distances
SHJ Bus Turnaround Shelter	/ Children's Way	29 * 11.786 = 341.787
McKinley St at Brownsville Rd	/ Children's Way	16 * 10.976 = 175.6118
McKinley St past Brownsville Rd	/ Children's Way	13 * 12.780 = 166.1402

In-service trip pattern	- Outbound	Distances
Children's Way	/ SHJ Bus Turnaround Shelter	29 * 11.547 = 334.8528
Children's Way	/ McKinley St at Brownsville Rd	19 * 12.465 = 236.8314
Children's Way	/ McKinley St past Brownsville Rd	8 * 10.661 = 85.2842

Off-service trip pattern	Distances
Children's Way / Ross Garage	19 * 5.183 = 98.4769
Ross Garage / Children's Way	19 * 5.015 = 95.285
Children's Way / Ross Garage	11 * 4.961 = 54.5688
Ross Garage / Children's Way	9 * 5.107 = 45.962
Ross Garage / SHJ Bus Turnaround Shelter	6 * 8.495 = 50.970
SHJ Bus Turnaround Shelter / Ross Garage	6 * 8.411 = 50.4684
Ross Garage / SHJ Bus Turnaround Shelter	5 * 8.495 = 42.4731
SHJ Bus Turnaround Shelter / Ross Garage	5 * 8.411 = 42.055
Ross Garage / McKinley St past Brownsville Rd	4 * 9.341 = 37.3648
McKinley St at Brownsville Rd / Ross Garage	3 * 9.122 = 27.3661
Ross Garage / McKinley St past Brownsville Rd	1 * 9.422 = 9.422
Children's Way / Layover - Penn Park Terminal	1 * 1.761 = 1.761

Route 055 Glassport
 ROUTE OVERVIEW

First pull-out	:	5:18					
Last pull-in	:	24:26					
Number of blocks	:	35					
Number at garage	:	46					
Pull-out/Pull-in	:	19/ 17	/	/	/	/	/
Number of in-service trips	:	36	In-service distance		:	1013.561	
Off-service duration	:	1h21	Off-service distance		:	31.474	
In-service duration	:	51h43					
Loading duration	:	0h00	Total distance		:	1045.034	
Layover duration	:	4h59					
Total duration	:	58h03					
% Off-service/total time	:	2.3 %	In-service speed		:	19.3	
% Layover/total time	:	8.6 %	Outbound		:	19.9	
% Off-service/total distance	:	3.0 %	Inbound		:	19.6	
			Average				
				Speed			
			Total :	18.0 In-serv. + layover	:	17.9	

In-service trip pattern	- Inbound	Distances
Lebanon Rd past Noble Dr	/ Wal Mart (North Versailles)	18 * 28.596 = 514.7349

In-service trip pattern	- Outbound	Distances
Wal Mart (North Versailles)	/ Lebanon Rd at Noble Dr	18 * 28.529 = 513.5226

Off-service trip pattern	Distances
West Mifflin Garage / Lebanon Rd past Noble Dr	18 * 0.467 = 8.4136
Lebanon Rd at Noble Dr / West Mifflin Garage	17 * 0.401 = 6.8209
West Mifflin Garage / Wal Mart (North Versailles)	1 * 11.571 = 11.5707
Wal Mart (North Versailles) / Layover - Braddock Terminal	1 * 4.261 = 4.2607
Lebanon Rd at Noble Dr / Layover - West Mifflin Garage	1 * 0.408 = 0.4077

Route 056 Lincoln Place
 ROUTE OVERVIEW

First pull-out	:	4:31						
Last pull-in	:	25:28						
Number of blocks	:	9						
Number at garage	:	46						
Pull-out/Pull-in	:	7/ 8 / / / / /						
Number of in-service trips	:	60	In-service distance				:	931.534
Off-service duration	:	6h02	Off-service distance				:	140.913
In-service duration	:	53h05						
Loading duration	:	0h00						
Layover duration	:	10h05	Total distance				:	1072.447
Total duration	:	69h12						
% Off-service/total time	:	8.7 %	In-service speed				:	17.7
% Layover/total time	:	14.6 %	Inbound				:	17.4
% Off-service/total distance	:	13.1 %	Outbound				:	17.5
			Average					
			Speed					
			Total : 15.5 In-serv. + layover				:	14.7

In-service trip pattern	- Inbound	Distances
Layover - Penn State McKeesport	/ Blvd of the Allies at Stanwix St	29 * 15.834 = 459.1766
Second Ave at Johnston Ave	/ Blvd of the Allies at Stanwix St	2 * 4.568 = 9.1356

In-service trip pattern	- Outbound	Distances
Blvd of the Allies at Stanwix St	/ Layover - Penn State McKeesport	29 * 15.959 = 462.8131

Off-service trip pattern		Distances
West Mifflin Garage	/ Layover - Penn State McKeesport	5 * 9.682 = 48.4101
Layover - Penn State McKeesport	/ West Mifflin Garage	4 * 9.670 = 38.6814
Layover - Penn State McKeesport	/ West Mifflin Garage	3 * 9.567 = 28.701
West Mifflin Garage	/ Second Ave at Johnston Ave	2 * 3.866 = 7.7327
Blvd of the Allies at Stanwix St	/ West Mifflin Garage	1 * 8.636 = 8.6358
Blvd of the Allies at Stanwix St	/ Layover - Waterfront Terminal	1 * 8.442 = 8.4421

Route 057 Hazelwood
ROUTE OVERVIEW

First pull-out	:	4:29					
Last pull-in	:	24:35					
Number of blocks	:	20					
Number at garage	:	46					
Pull-out/Pull-in	:	15/ 11 / / / / /					
Number of in-service trips	:	62	In-service distance			:	545.052
Off-service duration	:	7h12	Off-service distance			:	141.778
In-service duration	:	39h03					
Loading duration	:	0h00					
Layover duration	:	6h04	Total distance			:	686.830
Total duration	:	52h19					
% Off-service/total time	:	13.8 %	In-service speed			:	13.2
% Layover/total time	:	11.6 %	Inbound			:	14.7
% Off-service/total distance	:	20.6 %	Outbound			:	14.0
			Average				
				Speed			
			Total :	13.1 In-serv. + layover		:	12.1

In-service trip pattern	- Inbound	Distances
Layover - Waterfront Terminal	/ Blvd of the Allies at Stanwix St	31 * 9.198 = 285.1342

In-service trip pattern	- Outbound	Distances
Blvd of the Allies at Stanwix St	/ Layover - Waterfront Terminal	31 * 9.222 = 285.8676

Off-service trip pattern	Distances
Layover - Waterfront Terminal / West Mifflin Garage	9 * 6.093 = 54.8363
West Mifflin Garage / Layover - Waterfront Terminal	9 * 4.935 = 44.415
West Mifflin Garage / Layover - Waterfront Terminal	6 * 4.984 = 29.9024
Layover - Waterfront Terminal / West Mifflin Garage	2 * 6.014 = 12.028

Route 058 Greenfield
 ROUTE OVERVIEW

First pull-out	:	5:05					
Last pull-in	:	22:40					
Number of blocks	:	12					
Number at garage	:	56					
Pull-out/Pull-in	:	12/ 11 / / / / /					
Number of in-service trips	:	52	In-service distance			:	498.004
Off-service duration	:	4h46	Off-service distance			:	93.516
In-service duration	:	38h02					
Loading duration	:	0h00	Total distance			:	591.520
Layover duration	:	4h22					
Total duration	:	47h10					
% Off-service/total time	:	10.1 %	In-service speed			:	13.3
% Layover/total time	:	9.3 %	Inbound			:	12.9
% Off-service/total distance	:	15.8 %	Outbound			:	13.1
			Average				
				Speed			
			Total :	12.5 In-serv. + layover		:	11.7

In-service trip pattern	- Inbound	Distances
Forbes Ave at Morewood Ave (CMU)	/ Blvd of the Allies at Stanwix St	26 * 9.455 = 245.8251

In-service trip pattern	- Outbound	Distances
Blvd of the Allies at Stanwix St	/ Forbes Ave at Morewood Ave (CMU)	26 * 9.687 = 251.8676

Off-service trip pattern	Distances
East Liberty Garage	/ Forbes Ave at Morewood Ave (CMU)
Forbes Ave at Morewood Ave (CMU)	/ East Liberty Garage
Forbes Ave at Morewood Ave (CMU)	/ Layover - Penn Park Terminal
	12 * 3.762 = 45.142
	11 * 4.045 = 44.4971
	1 * 3.877 = 3.8767

Route 059 Mon Valley
 ROUTE OVERVIEW

First pull-out	:	4:33					
Last pull-in	:	26:08					
Number of blocks	:	38					
Number at garage	:	46					
Pull-out/Pull-in	:	20/ 21	/	/	/	/	/
Number of in-service trips	:	38	In-service distance		:	1297.757	
Off-service duration	:	10h59	Off-service distance		:	185.545	
In-service duration	:	83h48					
Loading duration	:	0h00					
Layover duration	:	5h42	Total distance		:	1483.302	
Total duration	:	100h29					
% Off-service/total time	:	10.9 %	In-service speed		:	15.0	
% Layover/total time	:	5.7 %	Inbound		:	16.0	
% Off-service/total distance	:	12.5 %	Outbound		:	15.5	
			Average				
				Speed			
			Total :	14.8 In-serv. + layover	:	14.5	

In-service trip pattern	- Inbound	Distances
Wal Mart (North Versailles)	/ Century III Parking Lot at Shelter	19 * 35.151 = 667.8748

In-service trip pattern	- Outbound	Distances
Century III Parking Lot at Shelter	/ Wal Mart (North Versailles)	19 * 36.014 = 684.271

Off-service trip pattern		Distances
Century III Parking Lot at Shelter	/ West Mifflin Garage	18 * 3.214 = 57.8451
West Mifflin Garage	/ Century III Parking Lot at Shelter	17 * 3.192 = 54.2645
West Mifflin Garage	/ Wal Mart (North Versailles)	3 * 11.571 = 34.7122
Wal Mart (North Versailles)	/ West Mifflin Garage	3 * 11.536 = 34.6066
Century III Parking Lot at Shelter	/ Large Park-and-Ride Terminal	1 * 4.117 = 4.1171

Route 060 Walnut-Crawford Village
 ROUTE OVERVIEW

First pull-out	:	5:55						
Last pull-in	:	20:58						
Number of blocks	:	1						
Number at garage	:	46						
Pull-out/Pull-in	:	1/ 1 / / / / /						
Number of in-service trips	:	30	In-service distance				:	170.232
Off-service duration	:	0h39	Off-service distance				:	13.881
In-service duration	:	14h24						
Loading duration	:	3h19	Total distance				:	184.113
Layover duration	:	0h00						
Total duration	:	15h03						
% Off-service/total time	:	4.3 %	In-service speed				:	9.7
% Layover/total time	:	0.0 %	Outbound				:	15.7
% Off-service/total distance	:	7.5 %	Inbound				:	11.8
			Average					
				Speed				
			Total :	12.2 In-serv. + layover			:	11.8

In-service trip pattern	- Inbound	Distances
Boston Bridge Terminal	/ Young Dr at Yester Sq	14 * 5.329 = 74.6036
Boston Bridge Terminal	/ McKeesport Transportation Ctr Bay #4	1 * 4.142 = 4.1423

In-service trip pattern	- Outbound	Distances
Young Dr at Yester Sq	/ Boston Bridge Terminal	14 * 6.258 = 87.6074
McKeesport Transportation Ctr Bay #4	/ Boston Bridge Terminal	1 * 3.932 = 3.9318

Off-service trip pattern		Distances
West Mifflin Garage	/ McKeesport Transportation Ctr Bay #4	1 * 7.092 = 7.092
McKeesport Transportation Ctr Bay #4	/ West Mifflin Garage	1 * 6.869 = 6.8687

Route 061A North Braddock
 ROUTE OVERVIEW

First pull-out	:	4:34					
Last pull-in	:	25:29					
Number of blocks	:	47					
Number at garage	:	46					
Pull-out/Pull-in	:	33/ 25	/	/	/	/	/
Number of in-service trips	:	110	In-service distance				1349.928
Off-service duration	:	21h45	Off-service distance				436.846
In-service duration	:	115h13					
Loading duration	:	0h00					
Layover duration	:	9h11	Total distance				1786.773
Total duration	:	146h09					
% Off-service/total time	:	14.9 %	In-service speed				11.2
% Layover/total time	:	6.3 %	Inbound				12.3
% Off-service/total distance	:	24.4 %	Outbound				11.7
			Average				
				Speed			
			Total :	12.2 In-serv. + layover			10.9

In-service trip pattern	- Inbound	Distances
Layover - Braddock Terminal	/ Fifth Ave at Wood St	32 * 11.875 = 379.9855
Braddock Hills Terminal	/ Fifth Ave at Wood St	22 * 13.257 = 291.6554
Corey Ave at Braddock Ave	/ Fifth Ave at Wood St	1 * 11.945 = 11.9452

In-service trip pattern	- Outbound	Distances
Fifth Ave at Wood St	/ Braddock Ave at 6th St	29 * 11.626 = 337.1404
Fifth Ave at Wood St	/ Braddock Hills Terminal	26 * 13.140 = 341.6351

Off-service trip pattern	Distances
West Mifflin Garage	/ Layover - Braddock Terminal
Braddock Ave at 6th St	/ West Mifflin Garage
Braddock Ave at 6th St	/ West Mifflin Garage
West Mifflin Garage	/ Layover - Braddock Terminal
Braddock Ave at 6th St	/ Layover - Waterfront Terminal
Braddock Ave at 6th St	/ Layover - E Busway Swissvale Terminal
West Mifflin Garage	/ Braddock Hills Terminal
Layover - E Busway Swissvale Terminal	/ Corey Ave at Braddock Ave
	22 * 7.162 = 157.5642
	14 * 7.269 = 101.7659
	11 * 7.269 = 79.9617
	10 * 7.365 = 73.6527
	2 * 3.028 = 6.0553
	2 * 1.477 = 2.9548
	1 * 8.874 = 8.874
	1 * 1.542 = 1.542

Route 061B Braddock-Swissvale
 ROUTE OVERVIEW

First pull-out	:	4:22					
Last pull-in	:	26:32					
Number of blocks	:	48					
Number at garage	:	46					
Pull-out/Pull-in	:	27/ 34	/	/	/	/	/
Number of in-service trips	:	114	In-service distance		:	1158.816	
Off-service duration	:	23h46	Off-service distance		:	463.858	
In-service duration	:	96h18					
Loading duration	:	0h00					
Layover duration	:	10h54	Total distance		:	1622.674	
Total duration	:	130h58					
% Off-service/total time	:	18.1 %	In-service speed		:	11.7	
% Layover/total time	:	8.3 %	Inbound		:	12.4	
% Off-service/total distance	:	28.6 %	Outbound		:	Average	
			Speed				
			Total : 12.4 In-serv. + layover		:	10.8	

In-service trip pattern	- Inbound	Distances
Braddock Hills Terminal	/ Fifth Ave at Wood St	29 * 11.099 = 321.8643
Layover - Braddock Terminal	/ Fifth Ave at Wood St	25 * 9.896 = 247.3949
Corey Ave at Braddock Ave	/ Fifth Ave at Wood St	3 * 9.677 = 29.0306

In-service trip pattern	- Outbound	Distances
Fifth Ave at Wood St	/ Layover - Braddock Terminal	34 * 9.281 = 315.5464
Fifth Ave at Wood St	/ Braddock Hills Terminal	21 * 10.716 = 225.046
Fifth Ave at Wood St	/ Braddock Ave opp. Corey Ave	2 * 9.140 = 18.2802

Off-service trip pattern	Distances	
Layover - Braddock Terminal	/ West Mifflin Garage	22 * 7.594 = 167.0679
West Mifflin Garage	/ Layover - Braddock Terminal	17 * 7.162 = 121.7541
Layover - Braddock Terminal	/ West Mifflin Garage	12 * 7.441 = 89.2889
West Mifflin Garage	/ Layover - Braddock Terminal	7 * 7.365 = 51.5569
Layover - E Busway Swissvale Terminal	/ Corey Ave at Braddock Ave	3 * 1.542 = 4.6259
West Mifflin Garage	/ Braddock Hills Terminal	2 * 8.874 = 17.748
Braddock Ave opp. Corey Ave	/ Layover - E Busway Swissvale Terminal	2 * 1.429 = 2.8588
West Mifflin Garage	/ Braddock Hills Terminal	1 * 8.874 = 8.874

Route 061C McKeesport-Homestead
 ROUTE OVERVIEW

First pull-out	:	3:56					
Last pull-in	:	26:06					
Number of blocks	:	46					
Number at garage	:	46					
Pull-out/Pull-in	:	38/ 39	/	/	/	/	/
Number of in-service trips	:	114	In-service distance				1712.453
Off-service duration	:	24h39	Off-service distance				537.382
In-service duration	:	125h20					
Loading duration	:	0h00					
Layover duration	:	6h58	Total distance				2249.835
Total duration	:	156h57					
% Off-service/total time	:	15.7 %	In-service speed				
% Layover/total time	:	4.4 %	Inbound				13.1
% Off-service/total distance	:	23.9 %	Outbound				14.3
			Average				13.7
			Speed				
			Total : 14.3 In-serv. + layover				12.9

In-service trip pattern	- Inbound	Distances
McKeesport Transportation Ctr Bay #2	/ Fifth Ave at Wood St	57 * 15.561 = 886.9826

In-service trip pattern	- Outbound	Distances
Fifth Ave at Wood St	/ McKeesport Transportation Ctr Bay #2	57 * 14.481 = 825.4107

Off-service trip pattern	Distances
McKeesport Transportation Ctr Bay #2 / West Mifflin Garage	39 * 6.896 = 268.9294
West Mifflin Garage / McKeesport Transportation Ctr Bay #2	27 * 6.937 = 187.2992
West Mifflin Garage / McKeesport Transportation Ctr Bay #2	11 * 6.985 = 76.8379
McKeesport Transportation Ctr Bay #2 / Layover - Penn State McKeesport	1 * 3.012 = 3.0124

Route 061D Murray
ROUTE OVERVIEW

First pull-out	:	4:55					
Last pull-in	:	26:36					
Number of blocks	:	48					
Number at garage	:	46					
Pull-out/Pull-in	:	27/ 44	/	/	/	/	/
Number of in-service trips	:	135	In-service distance	:	1265.199		
Off-service duration	:	22h24	Off-service distance	:	464.117		
In-service duration	:	110h40					
Loading duration	:	0h00					
Layover duration	:	15h13	Total distance	:	1729.316		
Total duration	:	148h17					
% Off-service/total time	:	15.1 %	In-service speed	:	11.1		
% Layover/total time	:	10.3 %	Inbound	:	11.9		
% Off-service/total distance	:	26.8 %	Outbound	:	Average	:	11.4
			Speed	:			
			Total	:	11.7 In-serv. + layover	:	10.1

In-service trip pattern	- Inbound	Distances
Layover - Waterfront Terminal	/ Fifth Ave at Wood St	65 * 10.490 = 681.8291

In-service trip pattern	- Outbound	Distances
Fifth Ave at Wood St	/ Layover - Waterfront Terminal	57 * 9.354 = 533.1594
Forbes Ave past Craft Ave	/ Murray Ave at Hazelwood Ave	13 * 3.849 = 50.0333

Off-service trip pattern		Distances
Layover - Waterfront Terminal	/ West Mifflin Garage	29 * 6.093 = 176.6946
West Mifflin Garage	/ Layover - Waterfront Terminal	19 * 4.935 = 93.765
Layover - Beechwood Blvd at Saline St	/ Forbes Ave past Craft Ave	10 * 3.241 = 32.4129
Murray Ave at Hazelwood Ave	/ Layover - Beechwood Blvd at Saline St	10 * 0.135 = 1.3473
Fifth Ave at Wood St	/ West Mifflin Garage	8 * 8.275 = 66.200
West Mifflin Garage	/ Layover - Waterfront Terminal	6 * 4.984 = 29.9024
Layover - Waterfront Terminal	/ West Mifflin Garage	4 * 6.014 = 24.056
Murray Ave at Hazelwood Ave	/ West Mifflin Garage	3 * 5.669 = 17.0079
West Mifflin Garage	/ Forbes Ave past Craft Ave	2 * 7.566 = 15.132
Layover - Waterfront Terminal	/ Forbes Ave past Craft Ave	1 * 5.466 = 5.4663

Route 064 Lawrenceville-Waterfront
 ROUTE OVERVIEW

First pull-out	:	4:53						
Last pull-in	:	26:03						
Number of blocks	:	25						
Number at garage	:	46	56					
Pull-out/Pull-in	:	12/ 14	10/ 10	/	/	/	/	
Number of in-service trips	:	80	In-service distance					757.200
Off-service duration	:	13h46	Off-service distance					224.902
In-service duration	:	63h00						
Loading duration	:	0h00						
Layover duration	:	14h29	Total distance					982.102
Total duration	:	91h15						
% Off-service/total time	:	15.1 %	In-service speed					
% Layover/total time	:	15.9 %	Inbound					11.9
% Off-service/total distance	:	22.9 %	Outbound					12.2
			Average					12.0
			Speed					
			Total : 10.8 In-serv. + layover					9.8

In-service trip pattern	- Inbound	Distances
Layover - Waterfront Terminal	/ 39th St at Butler St	40 * 9.752 = 390.0992

In-service trip pattern	- Outbound	Distances
39th St at Butler St	/ Layover - Waterfront Terminal	40 * 9.179 = 367.1576

Off-service trip pattern		Distances
Layover - Waterfront Terminal	/ West Mifflin Garage	12 * 6.093 = 73.115
East Liberty Garage	/ 39th St at Butler St	9 * 3.883 = 34.9449
West Mifflin Garage	/ Layover - Waterfront Terminal	8 * 4.935 = 39.480
39th St at Butler St	/ East Liberty Garage	8 * 4.097 = 32.7753
West Mifflin Garage	/ Layover - Waterfront Terminal	4 * 4.984 = 19.9349
Layover - Waterfront Terminal	/ West Mifflin Garage	2 * 6.014 = 12.028
39th St at Butler St	/ East Liberty Garage	2 * 4.099 = 8.198
East Liberty Garage	/ 39th St at Butler St	1 * 3.883 = 3.883

Route 065 Squirrel Hill
ROUTE OVERVIEW

First pull-out	:	5:43					
Last pull-in	:	19:08					
Number of blocks	:	5					
Number at garage	:	46					
Pull-out/Pull-in	:	5/ 4 / / / / /					
Number of in-service trips	:	23	In-service distance			:	130.546
Off-service duration	:	4h04	Off-service distance			:	68.776
In-service duration	:	10h40					
Loading duration	:	0h45					
Layover duration	:	0h52	Total distance			:	199.322
Total duration	:	15h36					
% Off-service/total time	:	26.1 %	In-service speed			:	10.1
% Layover/total time	:	5.6 %	Inbound			:	15.5
% Off-service/total distance	:	34.5 %	Outbound			:	12.2
			Average				
			Speed			:	
			Total : 12.8 In-serv. + layover			:	11.3

In-service trip pattern	- Inbound	Distances
Beechwood Blvd past Douglas St	/ Stanwix St opp. Fourth Ave	4 * 6.176 = 24.7044
Wightman St at Beacon St	/ Stanwix St opp. Fourth Ave	4 * 4.575 = 18.2988
Beacon St past Murray Av	/ Stanwix St opp. Fourth Ave	3 * 7.069 = 21.2081
Fifth Ave at Grant St	/ Stanwix St opp. Fourth Ave	2 * 0.529 = 1.0571

In-service trip pattern	- Outbound	Distances
Stanwix St opp. Fourth Ave	/ Wightman St at Beacon St	6 * 7.169 = 43.011
Stanwix St opp. Fourth Ave	/ Beechwood Blvd past Douglas St	4 * 5.567 = 22.2684

Off-service trip pattern	Distances	
West Mifflin Garage	/ Beacon St past Murray Av	3 * 6.759 = 20.2771
Stanwix St opp. Fourth Ave	/ West Mifflin Garage	2 * 8.543 = 17.0863
West Mifflin Garage	/ Fifth Ave at Grant St	2 * 8.152 = 16.304
Wightman St at Beacon St	/ West Mifflin Garage	2 * 6.857 = 13.7134
Stanwix St opp. Fourth Ave	/ Layover - Penn Park Terminal	1 * 1.291 = 1.2905

Route 067 Monroeville
ROUTE OVERVIEW

First pull-out	:	4:37					
Last pull-in	:	23:53					
Number of blocks	:	20					
Number at garage	:	56					
Pull-out/Pull-in	:	9/ 12 / / / / /					
Number of in-service trips	:	59	In-service distance		:	1013.580	
Off-service duration	:	9h03	Off-service distance		:	224.658	
In-service duration	:	71h18					
Loading duration	:	0h00					
Layover duration	:	8h55	Total distance		:	1238.237	
Total duration	:	89h16					
% Off-service/total time	:	10.1 %	In-service speed		:	13.5	
% Layover/total time	:	10.0 %	Inbound		:	15.0	
% Off-service/total distance	:	18.1 %	Outbound		:	14.2	
			Average				
				Speed			
			Total :	13.9 In-serv. + layover	:	12.6	

In-service trip pattern	- Inbound	Distances
CCAC - Boyce Campus	/ Stanwix St opp. Fourth Ave	22 * 20.441 = 449.7042
Penn Ave past Graham Blvd	/ Stanwix St opp. Fourth Ave	5 * 8.960 = 44.7991
Fifth Ave at Ross St	/ Stanwix St opp. Fourth Ave	3 * 0.572 = 1.7169
Monroeville Mall (West Court entrance)	/ Stanwix St opp. Fourth Ave	2 * 14.689 = 29.377

In-service trip pattern	- Outbound	Distances
Stanwix St opp. Fourth Ave	/ CCAC - Boyce Campus	21 * 20.300 = 426.3044
Stanwix St opp. Fourth Ave	/ Penn Ave at Graham Blvd	4 * 8.913 = 35.6504
Stanwix St opp. Fourth Ave	/ Monroeville Mall (West Court entrance)	1 * 14.471 = 14.4714
Sawyer Way at East Busway	/ CCAC - Boyce Campus	1 * 13.058 = 13.0581

Off-service trip pattern	Distances	
CCAC - Boyce Campus	/ East Liberty Garage	6 * 10.844 = 65.0644
Stanwix St opp. Fourth Ave	/ East Liberty Garage	4 * 6.252 = 25.0087
Layover - Brushton Terminal	/ Penn Ave past Graham Blvd	4 * 3.492 = 13.9694
East Liberty Garage	/ CCAC - Boyce Campus	3 * 11.305 = 33.9141
Penn Ave at Graham Blvd	/ Layover - Penn Park Terminal	2 * 9.004 = 18.0083
East Liberty Garage	/ Monroeville Mall (West Court entrance)	2 * 8.897 = 17.7946
Stanwix St opp. Fourth Ave	/ Layover - Brushton Terminal	2 * 7.238 = 14.4758
East Liberty Garage	/ Fifth Ave at Ross St	2 * 5.713 = 11.426
Monroeville Mall (West Court entrance)	/ East Liberty Garage	1 * 9.057 = 9.057
East Liberty Garage	/ Penn Ave past Graham Blvd	1 * 4.824 = 4.8243
Penn Ave at Graham Blvd	/ East Liberty Garage	1 * 4.734 = 4.734
Penn Ave at Graham Blvd	/ Layover - Brushton Terminal	1 * 3.076 = 3.0763
East Liberty Garage	/ Sawyer Way at East Busway	1 * 2.490 = 2.4904
Layover - Penn Park Terminal	/ Fifth Ave at Ross St	1 * 0.814 = 0.8141

Route 069 Trafford
ROUTE OVERVIEW

First pull-out	:	3:53					
Last pull-in	:	24:38					
Number of blocks	:	9					
Number at garage	:	56					
Pull-out/Pull-in	:	9/ 5 / / / / /					
Number of in-service trips	:	49	In-service distance			:	980.503
Off-service duration	:	6h55	Off-service distance			:	200.614
In-service duration	:	64h52					
Loading duration	:	0h00					
Layover duration	:	6h56	Total distance			:	1181.117
Total duration	:	78h43					
% Off-service/total time	:	8.8 %	In-service speed			:	14.7
% Layover/total time	:	8.8 %	Inbound			:	15.5
% Off-service/total distance	:	17.0 %	Outbound			:	15.1
			Average				
			Speed				
			Total : 15.0 In-serv. + layover			:	13.7

In-service trip pattern	- Inbound	Distances
Layover - Viaduct Way Terminal	/ Stanwix St opp. Fourth Ave	17 * 20.007 = 340.1246
Layover - Viaduct Way Terminal	/ Stanwix St opp. Fourth Ave	6 * 19.607 = 117.6392
Fifth Ave at Ross St	/ Stanwix St opp. Fourth Ave	2 * 0.572 = 1.1446

In-service trip pattern	- Outbound	Distances
Stanwix St opp. Fourth Ave	/ Layover - Viaduct Way Terminal	24 * 19.857 = 476.5564

Off-service trip pattern		Distances
East Liberty Garage	/ Layover - Viaduct Way Terminal	7 * 14.150 = 99.0517
Layover - Viaduct Way Terminal	/ East Liberty Garage	4 * 14.532 = 58.1281
Layover - Viaduct Way Terminal	/ Layover - Brushton Terminal	2 * 12.878 = 25.7563
East Liberty Garage	/ Fifth Ave at Ross St	2 * 5.713 = 11.426
Stanwix St opp. Fourth Ave	/ East Liberty Garage	1 * 6.252 = 6.2522

Route 071 Edgewood Town Center
 ROUTE OVERVIEW

First pull-out	:	8:54						
Last pull-in	:	14:01						
Number of blocks	:	7						
Number at garage	:	56						
Pull-out/Pull-in	:	6/ 1 / / / / /						
Number of in-service trips	:	14	In-service distance				:	91.511
Off-service duration	:	0h50	Off-service distance				:	19.398
In-service duration	:	7h07						
Loading duration	:	0h00	Total distance				:	110.909
Layover duration	:	0h50						
Total duration	:	8h47						
% Off-service/total time	:	9.5 %	In-service speed				:	13.4
% Layover/total time	:	9.5 %	Outbound				:	12.4
% Off-service/total distance	:	17.5 %	Inbound				:	12.9
			Average					
				Speed				
			Total :	12.6 In-serv. + layover			:	11.5

In-service trip pattern	- Inbound	Distances
Braddock Ave at Hawkins Village	/ Layover - Brushton Terminal	7 * 6.342 = 44.3913

In-service trip pattern	- Outbound	Distances
Layover - Brushton Terminal	/ Braddock Ave at Hawkins Village	7 * 6.735 = 47.1471

Off-service trip pattern	Distances
East Liberty Garage / Layover - Brushton Terminal	6 * 1.390 = 8.339
Layover - Brushton Terminal / Layover - L'ville Shopping Ctr Terminal	1 * 5.866 = 5.8663
Layover - Brushton Terminal / Lincoln Loop	1 * 3.517 = 3.5174
Layover - Brushton Terminal / East Liberty Garage	1 * 1.675 = 1.675

Route 071A Negley
 ROUTE OVERVIEW

First pull-out	:	4:15					
Last pull-in	:	26:25					
Number of blocks	:	37					
Number at garage	:	56					
Pull-out/Pull-in	:	27/ 32	/	/	/	/	/
Number of in-service trips	:	136	In-service distance				906.002
Off-service duration	:	9h56	Off-service distance				153.685
In-service duration	:	94h34					
Loading duration	:	0h00					
Layover duration	:	12h37	Total distance				1059.688
Total duration	:	117h07					
% Off-service/total time	:	8.5 %	In-service speed				
% Layover/total time	:	10.8 %	Inbound				9.5
% Off-service/total distance	:	14.5 %	Outbound				9.6
			Average				9.6
			Speed				
			Total : 9.0 In-serv. + layover				8.5

In-service trip pattern	- Inbound	Distances
St Clair St N past Bunkerhill St	/ Fifth Ave at Wood St	70 * 6.701 = 469.0437

In-service trip pattern	- Outbound	Distances
Fifth Ave at Wood St	/ St Clair St N past Bunkerhill St	66 * 6.617 = 436.7262

Off-service trip pattern		Distances
St Clair St N past Bunkerhill St	/ East Liberty Garage	28 * 2.177 = 60.962
East Liberty Garage	/ St Clair St N past Bunkerhill St	27 * 2.105 = 56.8452
Fifth Ave at Wood St	/ East Liberty Garage	4 * 5.882 = 23.5298
St Clair St N past Bunkerhill St	/ Layover - Mellon Terrace Terminal	2 * 0.830 = 1.660
St Clair St N past Bunkerhill St	/ Layover - Penn Park Terminal	1 * 7.094 = 7.0938
St Clair St N past Bunkerhill St	/ Layover - East Liberty Terminal	1 * 1.952 = 1.9518
St Clair St N past Bunkerhill St	/ Baker St past Butler St	1 * 1.643 = 1.6428

Route 071B Highland Park
ROUTE OVERVIEW

First pull-out	:	4:26					
Last pull-in	:	25:41					
Number of blocks	:	37					
Number at garage	:	56					
Pull-out/Pull-in	:	27/ 29	/	/	/	/	/
Number of in-service trips	:	131	In-service distance				903.615
Off-service duration	:	9h46	Off-service distance				153.609
In-service duration	:	88h13					
Loading duration	:	0h00					
Layover duration	:	14h18	Total distance				1057.224
Total duration	:	112h17					
% Off-service/total time	:	8.7 %	In-service speed				10.0
% Layover/total time	:	12.7 %	Inbound				10.6
% Off-service/total distance	:	14.5 %	Outbound				10.2
			Average				
				Speed			
			Total :	9.4 In-serv. + layover			8.8

In-service trip pattern	- Inbound	Distances
Layover - Mellon Terrace Terminal	/ Fifth Ave at Wood St	36 * 7.149 = 257.3577
St Clair St N past Bunkerhill St	/ Fifth Ave at Wood St	31 * 6.848 = 212.2778

In-service trip pattern	- Outbound	Distances
Fifth Ave at Wood St	/ Layover - Mellon Terrace Terminal	37 * 6.867 = 254.0744
Fifth Ave at Wood St	/ St Clair St N past Bunkerhill St	27 * 6.651 = 179.5659

Off-service trip pattern		Distances
East Liberty Garage	/ St Clair St N past Bunkerhill St	27 * 2.105 = 56.8452
St Clair St N past Bunkerhill St	/ East Liberty Garage	26 * 2.177 = 56.6076
Layover - Mellon Terrace Terminal	/ St Clair St N past Bunkerhill St	7 * 0.301 = 2.1081
Fifth Ave at Wood St	/ East Liberty Garage	3 * 5.882 = 17.6473
Layover - Penn Park Terminal	/ St Clair St N past Bunkerhill St	2 * 6.653 = 13.3068
St Clair St N past Bunkerhill St	/ Layover - Penn Park Terminal	1 * 7.094 = 7.0938

Route 071C Point Breeze
ROUTE OVERVIEW

First pull-out	:	5:10					
Last pull-in	:	24:53					
Number of blocks	:	52					
Number at garage	:	56					
Pull-out/Pull-in	:	28/ 35	/	/	/	/	/
Number of in-service trips	:	122	In-service distance				1078.847
Off-service duration	:	3h36	Off-service distance				109.037
In-service duration	:	108h26					
Loading duration	:	0h00					
Layover duration	:	10h16	Total distance				1187.885
Total duration	:	122h18					
% Off-service/total time	:	2.9 %	In-service speed				9.8
% Layover/total time	:	8.4 %	Inbound				10.1
% Off-service/total distance	:	9.2 %	Outbound				9.9
			Average				
			Speed				
			Total : 9.7 In-serv. + layover				9.1

In-service trip pattern	- Inbound	Distances
Layover - Brushton Terminal	/ Fifth Ave at Wood St	61 * 9.179 = 559.9269

In-service trip pattern	- Outbound	Distances
Fifth Ave at Wood St	/ Layover - Brushton Terminal	61 * 8.504 = 518.7299

Off-service trip pattern		Distances
Layover - Brushton Terminal	/ East Liberty Garage	35 * 1.675 = 58.6237
East Liberty Garage	/ Layover - Brushton Terminal	28 * 1.390 = 38.9152
Layover - Brushton Terminal	/ East Busway opp. East Liberty Garage	3 * 1.213 = 3.6394
Layover - Brushton Terminal	/ Layover - Penn Park Terminal	1 * 5.949 = 5.9489
Layover - Brushton Terminal	/ Giant Eagle East Hills	1 * 1.910 = 1.9099

Route 071D Hamilton
ROUTE OVERVIEW

First pull-out	:	4:09					
Last pull-in	:	26:09					
Number of blocks	:	51					
Number at garage	:	56					
Pull-out/Pull-in	:	28/ 34	/	/	/	/	/
Number of in-service trips	:	131	In-service distance		:	1079.783	
Off-service duration	:	4h58	Off-service distance		:	142.400	
In-service duration	:	97h32					
Loading duration	:	0h00					
Layover duration	:	12h14	Total distance		:	1222.182	
Total duration	:	114h44					
% Off-service/total time	:	4.3 %	In-service speed		:	10.7	
% Layover/total time	:	10.7 %	Inbound		:	11.5	
% Off-service/total distance	:	11.7 %	Outbound		:	11.1	
			Average				
				Speed			
			Total	:	10.7 In-serv. + layover	:	9.8

In-service trip pattern	- Inbound	Distances
Layover - Brushton Terminal	/ Fifth Ave at Wood St	67 * 8.370 = 560.790

In-service trip pattern	- Outbound	Distances
Fifth Ave at Wood St	/ Layover - Brushton Terminal	64 * 8.103 = 518.5612

Off-service trip pattern		Distances
Layover - Brushton Terminal	/ East Liberty Garage	32 * 1.675 = 53.5988
East Liberty Garage	/ Layover - Brushton Terminal	28 * 1.390 = 38.9152
Layover - Brushton Terminal	/ Layover - Penn Park Terminal	2 * 5.949 = 11.8978
Fifth Ave at Wood St	/ East Liberty Garage	2 * 5.882 = 11.7649
Layover - Brushton Terminal	/ Layover - Harman Garage Terminal	1 * 10.942 = 10.942
Fifth Ave at Wood St	/ Layover - Brushton Terminal	1 * 6.868 = 6.8682
Layover - Brushton Terminal	/ Layover - L'velle Shopping Ctr Terminal	1 * 5.866 = 5.8663
Layover - Brushton Terminal	/ Fifth Ave opp. McPherson St	1 * 1.334 = 1.3335
Layover - Brushton Terminal	/ East Busway opp. East Liberty Garage	1 * 1.213 = 1.2131

Route 074 Homewood-Squirrel Hill
ROUTE OVERVIEW

First pull-out	:	5:35					
Last pull-in	:	23:55					
Number of blocks	:	15					
Number at garage	:	56					
Pull-out/Pull-in	:	14/ 12	/	/	/	/	/
Number of in-service trips	:	55	In-service distance				544.110
Off-service duration	:	3h21	Off-service distance				46.132
In-service duration	:	40h59					
Loading duration	:	0h00					
Layover duration	:	3h25	Total distance				590.242
Total duration	:	47h45					
% Off-service/total time	:	7.0 %	In-service speed				
% Layover/total time	:	7.2 %	Outbound				13.3
% Off-service/total distance	:	7.8 %	Inbound				13.3
			Average				13.3
				Speed			
			Total :	12.4 In-serv. + layover			12.3

In-service trip pattern	- Inbound	Distances
Beechwood Blvd at Tilbury Ave	/ Beatty St S at Penn Ave	26 * 10.251 = 266.5207
Shuman Center	/ Beatty St S at Penn Ave	2 * 3.559 = 7.1183

In-service trip pattern	- Outbound	Distances
Beatty St S at Penn Ave	/ Beechwood Blvd at Tilbury Ave	26 * 10.271 = 267.0564
Beatty St S at Penn Ave	/ Shuman Center	1 * 3.365 = 3.3649

Off-service trip pattern		Distances
East Liberty Garage	/ Beatty St S at Penn Ave	13 * 1.532 = 19.9163
Beatty St S at Penn Ave	/ East Liberty Garage	12 * 1.118 = 13.4205
Beatty St S at Penn Ave	/ Penn Station Stop C	1 * 6.057 = 6.057
East Liberty Garage	/ Shuman Center	1 * 2.661 = 2.6614
Beatty St S at Penn Ave	/ Baker St past Butler St	1 * 2.484 = 2.4839
Beatty St S at Penn Ave	/ St Clair St N past Bunkerhill St	1 * 1.593 = 1.5929

Route 075 Ellsworth
ROUTE OVERVIEW

First pull-out	:	4:37					
Last pull-in	:	25:09					
Number of blocks	:	32					
Number at garage	:	56					
Pull-out/Pull-in	:	25/ 29	/	/	/	/	/
Number of in-service trips	:	94	In-service distance			:	1020.314
Off-service duration	:	12h05	Off-service distance			:	297.065
In-service duration	:	83h23					
Loading duration	:	0h00					
Layover duration	:	13h17	Total distance			:	1317.379
Total duration	:	108h45					
% Off-service/total time	:	11.1 %	In-service speed			:	12.1
% Layover/total time	:	12.2 %	Inbound			:	12.4
% Off-service/total distance	:	22.5 %	Outbound			:	12.2
			Average				
			Speed				
			Total : 12.1 In-serv. + layover			:	10.6

In-service trip pattern	- Inbound	Distances
Fox Chapel Term(Old Freeport-Freeport)	/ Layover - South Side Works Terminal	45 * 11.554 = 519.9128
East Liberty Blvd at Penn Ave	/ Layover - South Side Works Terminal	2 * 5.103 = 10.2052

In-service trip pattern	- Outbound	Distances
Layover - South Side Works Terminal	/ Fox Chapel Term(Old Freeport-Freeport)	38 * 11.321 = 430.1967
Layover - South Side Works Terminal	/ Baker St at Butler St	5 * 7.990 = 39.9503
Layover - South Side Works Terminal	/ East Liberty Blvd at Dahlem Pl	4 * 5.054 = 20.2162

Off-service trip pattern	Distances
East Liberty Garage	/ Fox Chapel Term(Old Freeport-Freeport)
Fox Chapel Term(Old Freeport-Freeport)	/ East Liberty Garage
Baker St at Butler St	/ East Liberty Garage
East Liberty Blvd at Dahlem Pl	/ East Liberty Garage
Fox Chapel Term(Old Freeport-Freeport)	/ Layover - Penn Park Terminal
Layover - Brushton Terminal	/ Fox Chapel Term(Old Freeport-Freeport)
Fox Chapel Term(Old Freeport-Freeport)	/ Layover - East Liberty Terminal
Fox Chapel Term(Old Freeport-Freeport)	/ Lincoln Loop
East Liberty Garage	/ Fox Chapel Term(Old Freeport-Freeport)
East Liberty Garage	/ East Liberty Blvd at Penn Ave

Route 077 Penn Hills
 ROUTE OVERVIEW

First pull-out	:	4:26					
Last pull-in	:	24:11					
Number of blocks	:	18					
Number at garage	:	56					
Pull-out/Pull-in	:	12/ 8 / / / / /					
Number of in-service trips	:	67	In-service distance		:	1254.539	
Off-service duration	:	6h52	Off-service distance		:	187.429	
In-service duration	:	78h29					
Loading duration	:	0h00					
Layover duration	:	10h30	Total distance		:	1441.968	
Total duration	:	95h51					
% Off-service/total time	:	7.2 %	In-service speed		:	15.7	
% Layover/total time	:	11.0 %	Inbound		:	16.3	
% Off-service/total distance	:	13.0 %	Outbound		:	16.0	
			Average				
				Speed			
			Total :	15.0 In-serv. + layover	:	14.1	

In-service trip pattern	- Inbound	Distances
CCAC - Boyce Campus	/ Liberty Ave at Market St	16 * 20.170 = 322.7121
CCAC - Boyce Campus	/ Liberty Ave at Market St	15 * 20.541 = 308.1111
Fifth Ave at Ross St	/ Liberty Ave at Market St	5 * 0.464 = 2.3182

In-service trip pattern	- Outbound	Distances
Liberty Ave at Market St	/ CCAC - Boyce Campus	15 * 20.410 = 306.1503
Liberty Ave at Market St	/ CCAC - Boyce Campus	15 * 20.039 = 300.5818
Liberty Ave at Market St	/ Alcoma Apartments	1 * 14.234 = 14.234

Off-service trip pattern	Distances
East Liberty Garage	/ CCAC - Boyce Campus
Liberty Ave at Market St	/ East Liberty Garage
East Liberty Garage	/ Fifth Ave at Ross St
CCAC - Boyce Campus	/ East Liberty Garage
CCAC - Boyce Campus	/ Layover - Brushton Terminal
Alcoma Apartments	/ East Liberty Garage
Layover - Penn Park Terminal	/ Fifth Ave at Ross St
Liberty Ave at Market St	/ Layover - Penn Park Terminal

Route 079 East Hills
 ROUTE OVERVIEW

First pull-out	:	5:09					
Last pull-in	:	25:01					
Number of blocks	:	47					
Number at garage	:	56					
Pull-out/Pull-in	:	20/ 23	/	/	/	/	/
Number of in-service trips	:	78	In-service distance				511.532
Off-service duration	:	3h40	Off-service distance				96.030
In-service duration	:	33h02					
Loading duration	:	0h00					
Layover duration	:	6h10	Total distance				607.562
Total duration	:	42h52					
% Off-service/total time	:	8.6 %	In-service speed				15.7
% Layover/total time	:	14.4 %	Inbound				15.3
% Off-service/total distance	:	15.8 %	Outbound				15.5
			Average				
				Speed			
				Total : 14.2 In-serv. + layover			13.0

In-service trip pattern	- Inbound	Distances
Layover - Brushton Terminal	/ Giant Eagle East Hills	18 * 4.511 = 81.2015
Layover - Brushton Terminal	/ Lincoln Loop	14 * 9.106 = 127.4846
Layover - Brushton Terminal	/ Verona Rd at Giant Eagle Driveway	7 * 4.470 = 31.288

In-service trip pattern	- Outbound	Distances
Lincoln Ave at Verona Blvd	/ Layover - Brushton Terminal	16 * 8.709 = 139.3397
Giant Eagle East Hills	/ Layover - Brushton Terminal	16 * 4.450 = 71.1994
Lincoln Ave at Verona Blvd	/ Layover - Brushton Terminal	7 * 8.709 = 60.9611

Off-service trip pattern	Distances	
Layover - Brushton Terminal	/ East Liberty Garage	20 * 1.675 = 33.4992
East Liberty Garage	/ Layover - Brushton Terminal	19 * 1.390 = 26.4068
Giant Eagle East Hills	/ East Liberty Garage	3 * 3.543 = 10.6286
Giant Eagle East Hills	/ Layover - Penn Park Terminal	1 * 7.817 = 7.8168
Layover - Brushton Terminal	/ Layover - Penn Park Terminal	1 * 5.949 = 5.9489
Layover - Brushton Terminal	/ St Clair St N past Bunkerhill St	1 * 3.356 = 3.3559
East Liberty Garage	/ Giant Eagle East Hills	1 * 3.242 = 3.2418
Layover - Brushton Terminal	/ Giant Eagle East Hills	1 * 1.910 = 1.9099
Giant Eagle East Hills	/ Layover - Brushton Terminal	1 * 1.889 = 1.889
Layover - Brushton Terminal	/ Fifth Ave opp. McPherson St	1 * 1.334 = 1.3335

Route 081 Oak Hill
 ROUTE OVERVIEW

First pull-out	:	4:40					
Last pull-in	:	25:06					
Number of blocks	:	18					
Number at garage	:	46					
Pull-out/Pull-in	:	15/ 13	/	/	/	/	/
Number of in-service trips	:	64	In-service distance				399.072
Off-service duration	:	8h32	Off-service distance				188.585
In-service duration	:	38h38					
Loading duration	:	0h00					
Layover duration	:	7h52	Total distance				587.657
Total duration	:	55h02					
% Off-service/total time	:	15.5 %	In-service speed				
% Layover/total time	:	14.3 %	Inbound				9.8
% Off-service/total distance	:	32.1 %	Outbound				11.0
			Average				10.3
			Speed				
			Total : 10.7 In-serv. + layover				8.6

In-service trip pattern	- Inbound	Distances
Wharton St at 20th St S (Wharton Square) / Liberty Ave at Market St		32 * 6.727 = 215.2727

In-service trip pattern	- Outbound	Distances
Liberty Ave at Market St	/ Wharton St at 20th St S (Wharton Square)	32 * 5.739 = 183.6527

Off-service trip pattern	Distances
West Mifflin Garage / Wharton St at 20th St S (Wharton Square)	15 * 6.683 = 100.244
Wharton St at 20th St S (Wharton Square) / West Mifflin Garage	13 * 6.686 = 86.9119
Wharton St at 20th St S (Wharton Square) / Fifth Ave at Maurice St	1 * 1.429 = 1.4288

Route 082 Lincoln
 ROUTE OVERVIEW

First pull-out	:	4:34					
Last pull-in	:	25:04					
Number of blocks	:	39					
Number at garage	:	56					
Pull-out/Pull-in	:	19/ 16	/	/	/	/	/
Number of in-service trips	:	104	In-service distance				759.573
Off-service duration	:	8h07	Off-service distance				120.987
In-service duration	:	72h43					
Loading duration	:	0h00					
Layover duration	:	6h17	Total distance				880.560
Total duration	:	87h07					
% Off-service/total time	:	9.3 %	In-service speed				10.2
% Layover/total time	:	7.2 %	Inbound				10.7
% Off-service/total distance	:	13.7 %	Outbound				10.4
			Average				
			Speed				
			Total : 10.1 In-serv. + layover				9.6

In-service trip pattern	- Inbound	Distances
Lincoln Loop	/ Liberty Ave at Market St	38 * 7.333 = 278.6623
Lincoln Loop	/ Liberty Ave at Market St	14 * 7.333 = 102.6651

In-service trip pattern	- Outbound	Distances
Liberty Ave at Market St	/ Lincoln Loop	36 * 7.291 = 262.4598
Liberty Ave at Market St	/ Lincoln Ave at Verona Blvd	16 * 7.246 = 115.9339

Off-service trip pattern		Distances
East Liberty Garage	/ Lincoln Loop	19 * 2.267 = 43.0703
Lincoln Loop	/ East Liberty Garage	16 * 2.366 = 37.8639
Layover - Brushton Terminal	/ Lincoln Loop	2 * 3.517 = 7.0348
Lincoln Loop	/ Layover - Penn Park Terminal	1 * 7.097 = 7.0968
Lincoln Loop	/ Layover - E Busway Swissvale Terminal	1 * 6.354 = 6.3538
Lincoln Loop	/ Fox Chapel Term(Old Freeport-Freeport)	1 * 5.251 = 5.2513
Lincoln Loop	/ Layover - L'ville Shopping Ctr Terminal	1 * 4.493 = 4.4926
Lincoln Loop	/ Layover - Brushton Terminal	1 * 3.533 = 3.5326
Lincoln Loop	/ St Clair St N past Bunkerhill St	1 * 3.432 = 3.4318
Lincoln Loop	/ Beatty St S at Penn Ave	1 * 2.858 = 2.8585

Route 083 Bedford Hill
ROUTE OVERVIEW

First pull-out	:	4:52					
Last pull-in	:	24:52					
Number of blocks	:	21					
Number at garage	:	46					
Pull-out/Pull-in	:	14/ 14	/	/	/	/	/
Number of in-service trips	:	66	In-service distance			:	471.537
Off-service duration	:	9h15	Off-service distance			:	197.251
In-service duration	:	48h58					
Loading duration	:	0h00					
Layover duration	:	7h06	Total distance			:	668.788
Total duration	:	65h19					
% Off-service/total time	:	14.2 %	In-service speed			:	9.2
% Layover/total time	:	10.9 %	Inbound			:	10.2
% Off-service/total distance	:	29.5 %	Outbound			:	9.6
			Average				
				Speed			
			Total :	10.2 In-serv. + layover		:	8.4

In-service trip pattern	- Inbound	Distances
Wharton St at 20th St S (Wharton Square) / Liberty Ave at Market St		33 * 7.686 = 253.6438

In-service trip pattern	- Outbound	Distances
Liberty Ave at Market St	/ Wharton St at 20th St S (Wharton Square)	33 * 6.600 = 217.7894

Off-service trip pattern	Distances
Wharton St at 20th St S (Wharton Square) / West Mifflin Garage	14 * 6.686 = 93.5974
West Mifflin Garage / Wharton St at 20th St S (Wharton Square)	14 * 6.683 = 93.5611
Wharton St at 20th St S (Wharton Square) / Fifth Ave at Maurice St	3 * 1.429 = 4.2864
Layover - Penn Park Terminal / Wharton St at 20th St S (Wharton Square)	1 * 2.903 = 2.9031
Layover - Penn Park Terminal / Wharton St at 20th St S (Wharton Square)	1 * 2.903 = 2.903

Route 086 Liberty
 ROUTE OVERVIEW

First pull-out	:	3:49					
Last pull-in	:	26:26					
Number of blocks	:	34					
Number at garage	:	56					
Pull-out/Pull-in	:	21/ 15	/	/	/	/	/
Number of in-service trips	:	86	In-service distance				760.455
Off-service duration	:	2h08	Off-service distance				60.545
In-service duration	:	67h15					
Loading duration	:	0h00					
Layover duration	:	7h56	Total distance				821.000
Total duration	:	77h19					
% Off-service/total time	:	2.8 %	In-service speed				11.8
% Layover/total time	:	10.3 %	Inbound				10.9
% Off-service/total distance	:	7.4 %	Outbound				11.3
			Average				
				Speed			
			Total	:	10.6 In-serv. + layover	:	10.1

In-service trip pattern	- Inbound	Distances
Layover - Brushton Terminal	/ Penn Ave at Garrison Pl	43 * 8.674 = 373.003

In-service trip pattern	- Outbound	Distances
Penn Ave at Garrison Pl	/ Layover - Brushton Terminal	43 * 9.008 = 387.3534

Off-service trip pattern		Distances
East Liberty Garage	/ Layover - Brushton Terminal	21 * 1.390 = 29.1864
Layover - Brushton Terminal	/ East Liberty Garage	15 * 1.675 = 25.1244
Layover - Brushton Terminal	/ Fifth Ave opp. McPherson St	2 * 1.334 = 2.667
Layover - Brushton Terminal	/ Layover - Mellon Terrace Terminal	1 * 3.567 = 3.567

Route 087 Friendship
 ROUTE OVERVIEW

First pull-out	:	5:09					
Last pull-in	:	22:49					
Number of blocks	:	29					
Number at garage	:	56					
Pull-out/Pull-in	:	20/ 23	/	/	/	/	/
Number of in-service trips	:	102	In-service distance		:	805.204	
Off-service duration	:	10h35	Off-service distance		:	234.111	
In-service duration	:	61h51					
Loading duration	:	0h00					
Layover duration	:	10h48	Total distance		:	1039.314	
Total duration	:	83h14					
% Off-service/total time	:	12.7 %	In-service speed		:	13.1	
% Layover/total time	:	13.0 %	Inbound		:	13.0	
% Off-service/total distance	:	22.5 %	Outbound		:	13.0	
			Average				
				Speed			
			Total :	12.5 In-serv. + layover	:	11.1	

In-service trip pattern	- Inbound	Distances
Layover - L'ville Shopping Ctr Terminal	/ Liberty Ave at 10th St NS	26 * 7.587 = 197.2494
Layover - L'ville Shopping Ctr Terminal	/ Liberty Ave at 10th St NS	16 * 8.087 = 129.3873
Baker St past Butler St	/ Liberty Ave at 10th St NS	9 * 6.378 = 57.4052

In-service trip pattern	- Outbound	Distances
Liberty Ave at 10th St NS	/ Layover - L'ville Shopping Ctr Terminal	26 * 7.981 = 207.5017
Liberty Ave at 10th St NS	/ Layover - L'ville Shopping Ctr Terminal	19 * 8.692 = 165.1571
Liberty Ave at 10th St NS	/ Baker St at Butler St	6 * 6.877 = 41.2638

Off-service trip pattern	Distances
Layover - L'ville Shopping Ctr Terminal	/ East Liberty Garage
East Liberty Garage	/ Layover - L'ville Shopping Ctr Terminal
East Liberty Garage	/ Baker St past Butler St
Liberty Ave at 10th St NS	/ East Liberty Garage
Baker St at Butler St	/ East Liberty Garage
East Liberty Garage	/ Liberty Ave at 10th St NS
Layover - Penn Park Terminal	/ Liberty Ave at 10th St NS
Baker St at Butler St	/ Layover - East Liberty Terminal
Layover - L'ville Shopping Ctr Terminal	/ Layover - Penn Park Terminal
Layover - Penn Park Terminal	/ Baker St past Butler St
Liberty Ave at 10th St NS	/ Layover - Brushton Terminal
Liberty Ave at 10th St NS	/ Layover - East Liberty Terminal
Layover - L'ville Shopping Ctr Terminal	/ Fox Chapel Term(Old Freeport-Freeport)
East Liberty Garage	/ Baker St past Butler St

Route 088 Penn
 ROUTE OVERVIEW

First pull-out	:	4:09					
Last pull-in	:	25:27					
Number of blocks	:	33					
Number at garage	:	56					
Pull-out/Pull-in	:	24/ 20	/	/	/	/	/
Number of in-service trips	:	112	In-service distance				654.378
Off-service duration	:	1h25	Off-service distance				29.661
In-service duration	:	59h26					
Loading duration	:	0h00					
Layover duration	:	9h53	Total distance				684.039
Total duration	:	70h44					
% Off-service/total time	:	2.0 %	In-service speed				11.4
% Layover/total time	:	14.0 %	Inbound				10.7
% Off-service/total distance	:	4.3 %	Outbound				11.0
			Average				
			Speed				
			Total : 9.7 In-serv. + layover				9.4

In-service trip pattern	- Inbound	Distances
Layover - East Liberty Terminal	/ Penn Ave at Garrison Pl	29 * 5.783 = 167.693
Fifth Ave opp. McPherson St	/ Penn Ave at Garrison Pl	27 * 5.474 = 147.8015

In-service trip pattern	- Outbound	Distances
Penn Ave at Garrison Pl	/ Layover - East Liberty Terminal	31 * 6.223 = 192.911
Penn Ave at Garrison Pl	/ Fifth Ave Ramp at East Liberty Garage	25 * 5.883 = 147.0838

Off-service trip pattern		Distances
East Liberty Garage	/ Fifth Ave opp. McPherson St	24 * 0.245 = 5.8905
Fifth Ave Ramp at East Liberty Garage	/ East Liberty Garage	20 * 0.178 = 3.5572
Fifth Ave Ramp at East Liberty Garage	/ Layover - E Busway Swissvale Terminal	3 * 4.153 = 12.460
Fifth Ave Ramp at East Liberty Garage	/ Layover - Penn Park Terminal	1 * 4.896 = 4.8963
Layover - Brushton Terminal	/ Fifth Ave opp. McPherson St	1 * 1.334 = 1.3335
Fifth Ave Ramp at East Liberty Garage	/ Layover - Brushton Terminal	1 * 1.332 = 1.3321
Layover - East Liberty Terminal	/ East Liberty Blvd at Penn Ave	1 * 0.191 = 0.1909

Route 089 Garfield Commons
 ROUTE OVERVIEW

First pull-out	:	5:22						
Last pull-in	:	23:31						
Number of blocks	:	4						
Number at garage	:	56						
Pull-out/Pull-in	:	4/ 4 / / / / /						
Number of in-service trips	:	46	In-service distance				:	157.182
Off-service duration	:	0h52	Off-service distance				:	10.602
In-service duration	:	13h21						
Loading duration	:	0h00	Total distance				:	167.784
Layover duration	:	3h56						
Total duration	:	18h09						
% Off-service/total time	:	4.8 %	In-service speed				:	11.5
% Layover/total time	:	21.7 %	Outbound				:	12.1
% Off-service/total distance	:	6.3 %	Inbound				:	11.8
			Average					
				Speed				
			Total :	9.2 In-serv. + layover			:	9.1

In-service trip pattern	- Inbound	Distances
Penn Ave at N Atlantic Ave	/ Beatty St S at Penn Ave	23 * 3.388 = 77.9138

In-service trip pattern	- Outbound	Distances
Beatty St S at Penn Ave	/ Penn Ave at N Atlantic Ave	23 * 3.444 = 79.2093

Off-service trip pattern	Distances
East Liberty Garage	4 * 1.532 = 6.1281
Beatty St S at Penn Ave	4 * 1.118 = 4.4735
/ Beatty St S at Penn Ave	
/ East Liberty Garage	

Route 091 Butler Street
 ROUTE OVERVIEW

First pull-out	:	4:04					
Last pull-in	:	25:48					
Number of blocks	:	44					
Number at garage	:	10					
Pull-out/Pull-in	:	43/ 40	/	/	/	/	/
Number of in-service trips	:	145	In-service distance		:	1529.166	
Off-service duration	:	29h41	Off-service distance		:	665.327	
In-service duration	:	112h31					
Loading duration	:	0h00					
Layover duration	:	22h38	Total distance		:	2194.492	
Total duration	:	164h50					
% Off-service/total time	:	18.0 %	In-service speed		:	13.1	
% Layover/total time	:	13.7 %	Outbound		:	14.1	
% Off-service/total distance	:	30.3 %	Inbound		:	13.6	
			Average				
			Speed				
			Total : 13.3 In-serv. + layover		:	11.3	

In-service trip pattern	- Inbound	Distances
RIDC Park Terminal	/ Penn Ave at Garrison PI	29 * 10.913 = 316.4636
Layover - VA Hospital Terminal	/ Penn Ave at Garrison PI	28 * 10.200 = 285.5984
Fox Chapel Term(Old Freeport-Freeport)	/ Penn Ave at Garrison PI	15 * 9.181 = 137.7193

In-service trip pattern	- Outbound	Distances
Penn Ave at Garrison PI	/ RIDC Park Terminal	29 * 11.040 = 320.1457
Penn Ave at Garrison PI	/ Layover - VA Hospital Terminal	28 * 10.824 = 303.0692
Penn Ave at Garrison PI	/ Fox Chapel Term(Old Freeport-Freeport)	16 * 9.577 = 153.2321

Off-service trip pattern	Distances	
Ross Garage	/ Penn Ave at Garrison PI	28 * 5.821 = 162.9892
Penn Ave at Garrison PI	/ Ross Garage	24 * 6.090 = 146.1623
Fox Chapel Term(Old Freeport-Freeport)	/ Ross Garage	8 * 10.956 = 87.6467
Ross Garage	/ Fox Chapel Term(Old Freeport-Freeport)	8 * 10.923 = 87.3839
Fox Chapel Term(Old Freeport-Freeport)	/ Ross Garage	6 * 10.956 = 65.736
Ross Garage	/ Fox Chapel Term(Old Freeport-Freeport)	5 * 10.923 = 54.6142
Penn Ave at Garrison PI	/ Layover - Penn Park Terminal	3 * 0.589 = 1.7679
Ross Garage	/ Layover - VA Hospital Terminal	2 * 11.810 = 23.620
Layover - VA Hospital Terminal	/ Ross Garage	2 * 11.577 = 23.1534
Layover - VA Hospital Terminal	/ Fox Chapel Term(Old Freeport-Freeport)	2 * 2.467 = 4.9341
Fox Chapel Term(Old Freeport-Freeport)	/ Layover - VA Hospital Terminal	2 * 2.462 = 4.9246
Penn Ave at Garrison PI	/ Allegheny Station Bay 1	1 * 2.397 = 2.3967

Route 093 Lawrenceville-Hazelwood
 ROUTE OVERVIEW

First pull-out	:	4:55					
Last pull-in	:	23:29					
Number of blocks	:	25					
Number at garage	:	46					
Pull-out/Pull-in	:	25/ 23	/	/	/	/	/
Number of in-service trips	:	66	In-service distance				710.391
Off-service duration	:	12h20	Off-service distance				241.422
In-service duration	:	59h00					
Loading duration	:	0h00					
Layover duration	:	13h37	Total distance				951.813
Total duration	:	84h57					
% Off-service/total time	:	14.5 %	In-service speed				
% Layover/total time	:	16.0 %	Outbound				11.4
% Off-service/total distance	:	25.4 %	Inbound				12.8
			Average				12.0
				Speed			
			Total :	11.2 In-serv. + layover			9.8

In-service trip pattern	- Inbound	Distances
Layover - L'ville Shopping Ctr Terminal	/ Broadview Dr at Johnston Ave	33 * 10.705 = 353.2513

In-service trip pattern	- Outbound	Distances
Broadview Dr at Johnston Ave	/ Layover - L'ville Shopping Ctr Terminal	33 * 10.651 = 351.4725

Off-service trip pattern	Distances
West Mifflin Garage	
Broadview Dr at Johnston Ave	/ Broadview Dr at Johnston Ave
Broadview Dr at Johnston Ave	/ West Mifflin Garage
Broadview Dr at Johnston Ave	/ Layover - Waterfront Terminal
	25 * 4.958 = 123.9569
	23 * 4.895 = 112.5772
	2 * 2.444 = 4.8875

Route G2 West Busway
 ROUTE OVERVIEW

First pull-out	:	4:53					
Last pull-in	:	24:22					
Number of blocks	:	32					
Number at garage	:	24					
Pull-out/Pull-in	:	31/ 30	/	/	/	/	/
Number of in-service trips	:	182	In-service distance		:	1416.780	
Off-service duration	:	16h04	Off-service distance		:	290.835	
In-service duration	:	77h02					
Loading duration	:	0h00					
Layover duration	:	14h30	Total distance		:	1707.616	
Total duration	:	107h36					
% Off-service/total time	:	14.9 %	In-service speed		:	18.8	
% Layover/total time	:	13.5 %	Inbound		:	18.0	
% Off-service/total distance	:	17.0 %	Outbound		:	18.4	
			Average				
				Speed			
			Total	:	15.9 In-serv. + layover	:	15.5

In-service trip pattern	- Inbound	Distances
Layover - West Busway Terminal	/ Liberty Ave at Wm Penn Pl	91 * 7.665 = 697.4995

In-service trip pattern	- Outbound	Distances
Liberty Ave at Wm Penn Pl	/ Layover - West Busway Terminal	91 * 7.904 = 719.3033

Off-service trip pattern	Distances
Collier Garage / Layover - West Busway Terminal	31 * 4.176 = 129.4526
Layover - West Busway Terminal / Collier Garage	30 * 4.898 = 146.942
Layover - West Busway Terminal / Liberty Ave at Wm Penn Pl	1 * 7.663 = 7.6634
Layover - West Busway Terminal / Penn Ave at Garrison Pl	1 * 6.777 = 6.7774

Route G3 Moon Flyer
 ROUTE OVERVIEW

First pull-out	:	4:33					
Last pull-in	:	19:35					
Number of blocks	:	18					
Number at garage	:	24					
Pull-out/Pull-in	:	14/ 16	/	/	/	/	/
Number of in-service trips	:	44	In-service distance				797.576
Off-service duration	:	13h59	Off-service distance				423.754
In-service duration	:	29h47					
Loading duration	:	0h00	Total distance				1221.330
Layover duration	:	8h02					
Total duration	:	51h48					
% Off-service/total time	:	27.0 %	In-service speed				26.7
% Layover/total time	:	15.5 %	Outbound				26.8
% Off-service/total distance	:	34.7 %	Inbound				26.8
			Average				
				Speed			
			Total :	23.6 In-serv. + layover			21.1

In-service trip pattern	- Inbound	Distances
University Blvd Park and Ride	/ Liberty Ave at Wm Penn Pl	21 * 17.859 = 375.0334

In-service trip pattern	- Outbound	Distances
Liberty Ave at Wm Penn Pl	/ University Blvd Park and Ride	23 * 18.373 = 422.5758

Off-service trip pattern		Distances
University Blvd Park and Ride	/ Collier Garage	10 * 14.476 = 144.7634
Collier Garage	/ University Blvd Park and Ride	8 * 14.365 = 114.9232
Collier Garage	/ Liberty Ave at Wm Penn Pl	6 * 12.972 = 77.833
Liberty Ave at Wm Penn Pl	/ Collier Garage	6 * 12.358 = 74.1493
Liberty Ave at Wm Penn Pl	/ Chartiers Valley SC Terminus	1 * 10.214 = 10.2145
Liberty Ave at Wm Penn Pl	/ SHJ Bus Turnaround Shelter	1 * 1.871 = 1.8705

Route G31 Bridgeville Flyer
 ROUTE OVERVIEW

First pull-out	:	5:41					
Last pull-in	:	19:10					
Number of blocks	:	16					
Number at garage	:	24					
Pull-out/Pull-in	:	11/ 9 / / / / /					
Number of in-service trips	:	26	In-service distance			:	322.270
Off-service duration	:	6h32	Off-service distance			:	144.766
In-service duration	:	21h00					
Loading duration	:	0h00					
Layover duration	:	3h49	Total distance			:	467.036
Total duration	:	31h21					
% Off-service/total time	:	20.8 %	In-service speed			:	14.9
% Layover/total time	:	12.2 %	Inbound			:	15.8
% Off-service/total distance	:	31.0 %	Outbound			:	15.3
			Average				
				Speed			
			Total :	14.9 In-serv. + layover		:	13.0

In-service trip pattern	- Inbound	Distances
South Fayette Park-and-Ride	/ Penn Ave at Garrison PI	13 * 12.553 = 163.1889

In-service trip pattern	- Outbound	Distances
Penn Ave at Garrison PI	/ South Fayette Park-and-Ride	13 * 12.235 = 159.0589

Off-service trip pattern		Distances
South Fayette Park-and-Ride	/ Collier Garage	7 * 1.714 = 12.0005
Collier Garage	/ South Fayette Park-and-Ride	7 * 1.671 = 11.6972
Collier Garage	/ Penn Ave at Garrison PI	4 * 13.299 = 53.1963
Penn Ave at Garrison PI	/ Collier Garage	2 * 11.996 = 23.9915
Penn Ave at Garrison PI	/ Chartiers Valley SC Terminus	2 * 9.609 = 19.218
Penn Ave at Garrison PI	/ Mall at Robinson (Entrance K)	1 * 11.568 = 11.5684
Penn Ave at Garrison PI	/ Kennedy Center (Giant Eagle)	1 * 10.702 = 10.7017
South Fayette Park-and-Ride	/ Chartiers Valley SC Terminus	1 * 1.803 = 1.803
Penn Ave at Garrison PI	/ Layover - Penn Park Terminal	1 * 0.589 = 0.5893

Route O1 Ross Flyer
 ROUTE OVERVIEW

First pull-out	:	5:34					
Last pull-in	:	19:08					
Number of blocks	:	16					
Number at garage	:	10					
Pull-out/Pull-in	:	10/ 15	/	/	/	/	/
Number of in-service trips	:	42	In-service distance				283.099
Off-service duration	:	11h59	Off-service distance				277.402
In-service duration	:	16h33					
Loading duration	:	0h00	Total distance				560.502
Layover duration	:	5h17					
Total duration	:	33h49					
% Off-service/total time	:	35.4 %	In-service speed				17.8
% Layover/total time	:	15.6 %	Inbound				16.6
% Off-service/total distance	:	49.5 %	Outbound				17.1
			Average				
				Speed			
			Total	:	16.6 In-serv. + layover		13.0

In-service trip pattern	- Inbound	Distances
Ross Park-and-Ride (Lower Lot Shelter)	/ Seventh Ave at William Penn Pl	19 * 6.744 = 128.1338

In-service trip pattern	- Outbound	Distances
Stanwix St at Gateway #2	/ Ross Park-and-Ride (Lower Lot Shelter)	19 * 6.757 = 128.3799
Stanwix St at Gateway #2	/ Ross Park-and-Ride (Lower Lot Shelter)	4 * 6.678 = 26.7127

Off-service trip pattern	Distances
Ross Garage Layover	/ Stanwix St at Gateway #2
Ross Park-and-Ride (Lower Lot Shelter)	/ Ross Garage Layover
Ross Garage Layover	/ Ross Park-and-Ride (Lower Lot Shelter)
Seventh Ave at William Penn Pl	/ Ross Garage
Seventh Ave at William Penn Pl	/ Ross Garage Layover
Ross Garage	/ Stanwix St at Gateway #2
Ross Park-and-Ride (Lower Lot Shelter)	/ Ross Garage
Ross Garage	/ Ross Park-and-Ride (Lower Lot Shelter)
Ross Garage	/ Ross Park-and-Ride (Lower Lot Shelter)
Seventh Ave at William Penn Pl	/ McCandless Park and Ride
	18 * 5.780 = 104.0478
	18 * 0.780 = 14.0349
	14 * 0.829 = 11.6006
	10 * 5.468 = 54.6801
	8 * 5.529 = 44.2323
	5 * 5.841 = 29.205
	5 * 0.719 = 3.5935
	3 * 0.890 = 2.670
	2 * 0.890 = 1.7793
	1 * 11.558 = 11.5577

Route O12 McKnight Flyer
 ROUTE OVERVIEW

First pull-out	:	5:14					
Last pull-in	:	19:46					
Number of blocks	:	22					
Number at garage	:	10					
Pull-out/Pull-in	:	21/ 16 / / / / /					
Number of in-service trips	:	53	In-service distance			:	649.981
Off-service duration	:	15h10	Off-service distance			:	351.646
In-service duration	:	30h44					
Loading duration	:	0h00					
Layover duration	:	5h57	Total distance			:	1001.627
Total duration	:	51h51					
% Off-service/total time	:	29.3 %	In-service speed			:	21.8
% Layover/total time	:	11.5 %	Inbound			:	20.6
% Off-service/total distance	:	35.1 %	Outbound			:	21.1
			Average				
			Speed				
			Total : 19.3 In-serv. + layover			:	17.7

In-service trip pattern	- Inbound	Distances
McCandless Park and Ride	/ Seventh Ave at William Penn Pl	16 * 12.799 = 204.7794
McCandless Park and Ride	/ Stanwix St at Gateway #2	6 * 12.275 = 73.648
McCandless Park and Ride	/ Seventh Ave at William Penn Pl	2 * 12.785 = 25.5695

In-service trip pattern	- Outbound	Distances
Stanwix St at Gateway #2	/ McCandless Park and Ride	22 * 12.068 = 265.4925
Seventh Ave at William Penn Pl	/ McCandless Park and Ride	7 * 11.551 = 80.8545

Off-service trip pattern	Distances
Ross Garage	/ Stanwix St at Gateway #2
Ross Garage	/ McCandless Park and Ride
McCandless Park and Ride	/ Ross Garage
Seventh Ave at William Penn Pl	/ Ross Garage Layover
McCandless Park and Ride	/ Stanwix St at Gateway #2
McCandless Park and Ride	/ Ross Garage
Seventh Ave at William Penn Pl	/ Ross Garage
Ross Garage	/ McCandless Park and Ride
	11 * 5.841 = 64.251
	7 * 7.785 = 54.495
	6 * 7.831 = 46.986
	6 * 5.529 = 33.1742
	5 * 12.397 = 61.9832
	5 * 7.831 = 39.1544
	5 * 5.468 = 27.3401
	3 * 7.875 = 23.6258

Route O5 Thompson Run Flyer
ROUTE OVERVIEW

First pull-out	:	6:05						
Last pull-in	:	18:27						
Number of blocks	:	6						
Number at garage	:	10						
Pull-out/Pull-in	:	6/ 6 / / / / /						
Number of in-service trips	:	6	In-service distance				:	100.713
Off-service duration	:	3h51	Off-service distance				:	77.402
In-service duration	:	4h49						
Loading duration	:	0h00	Total distance				:	178.115
Layover duration	:	0h00						
Total duration	:	8h40						
% Off-service/total time	:	44.4 %	In-service speed				:	21.4
% Layover/total time	:	0.0 %	Inbound				:	20.4
% Off-service/total distance	:	43.5 %	Outbound				:	20.9
			Average					
				Speed				
			Total :	20.6 In-serv. + layover			:	20.9

In-service trip pattern	- Inbound	Distances
Peebles Rd at Sample Rd	/ Seventh Ave at Smithfield St	3 * 17.117 = 51.3513

In-service trip pattern	- Outbound	Distances
Seventh Ave at Smithfield St	/ Hemlock Dr at Sample Rd	3 * 15.783 = 47.349

Off-service trip pattern		Distances
Hemlock Dr at Sample Rd	/ Ross Garage	3 * 7.976 = 23.929
Ross Garage	/ Peebles Rd at Sample Rd	3 * 6.529 = 19.5855
Seventh Ave at Smithfield St	/ Ross Garage	3 * 6.218 = 18.6555
Ross Garage	/ Seventh Ave at Smithfield St	3 * 5.068 = 15.204

Route P1 East Busway-All Stops
ROUTE OVERVIEW

First pull-out	:	4:38					
Last pull-in	:	25:09					
Number of blocks	:	30					
Number at garage	:	56					
Pull-out/Pull-in	:	21/ 22	/	/	/	/	/
Number of in-service trips	:	260	In-service distance				2408.851
Off-service duration	:	6h08	Off-service distance				182.646
In-service duration	:	102h04					
Loading duration	:	0h00					
Layover duration	:	25h26	Total distance				2591.497
Total duration	:	133h38					
% Off-service/total time	:	4.6 %	In-service speed				25.4
% Layover/total time	:	19.0 %	Inbound				22.0
% Off-service/total distance	:	7.0 %	Outbound				23.6
			Average				
			Speed				
			Total : 19.4 In-serv. + layover				18.9

In-service trip pattern	- Inbound	Distances
Layover - E Busway Swissvale Terminal	/ Liberty Ave at 10th St NS	124 * 9.216 = 1142.7915
East Busway opp. East Liberty Garage	/ Liberty Ave at 10th St NS	11 * 5.118 = 56.300

In-service trip pattern	- Outbound	Distances
Liberty Ave at 10th St NS	/ Layover - E Busway Swissvale Terminal	125 * 9.676 = 1209.5455

Off-service trip pattern	Distances
Layover - E Busway Swissvale Terminal	/ East Liberty Garage
East Liberty Garage	/ Layover - E Busway Swissvale Terminal
East Liberty Garage	/ East Busway opp. East Liberty Garage
Liberty Ave at 10th St NS	/ East Liberty Garage
Layover - E Busway Swissvale Terminal	/ Layover - Brushton Terminal
Layover - E Busway Swissvale Terminal	/ Layover - Penn Park Terminal
Layover - East Liberty Terminal	/ East Busway opp. East Liberty Garage

Route P10 Allegheny Valley Flyer
 ROUTE OVERVIEW

First pull-out	:	4:33					
Last pull-in	:	19:58					
Number of blocks	:	17					
Number at garage	:	56					
Pull-out/Pull-in	:	16/ 10 / / / / /					
Number of in-service trips	:	18	In-service distance			:	554.239
Off-service duration	:	15h43	Off-service distance			:	493.629
In-service duration	:	24h13					
Loading duration	:	0h00	Total distance			:	1047.868
Layover duration	:	0h43					
Total duration	:	40h39					
% Off-service/total time	:	38.7 %	In-service speed			:	22.6
% Layover/total time	:	1.8 %	Outbound			:	23.2
% Off-service/total distance	:	47.1 %	Inbound			:	22.9
			Average				
				Speed			
			Total :	25.8 In-serv. + layover		:	22.2

In-service trip pattern	- Inbound	Distances
Bakerstown Road past Alter Rd	/ Liberty Ave at Gateway #4	9 * 31.735 = 285.6194

In-service trip pattern	- Outbound	Distances
Liberty Ave at Gateway #4	/ Bakerstown Rd at Silverville Rd	9 * 30.128 = 271.1513

Off-service trip pattern		Distances
East Liberty Garage	/ Bakerstown Road past Alter Rd	9 * 20.952 = 188.5693
East Liberty Garage	/ Liberty Ave at Gateway #4	7 * 6.551 = 45.8554
Bakerstown Rd at Silverville Rd	/ East Liberty Garage	5 * 21.164 = 105.8201
Liberty Ave at Gateway #4	/ East Liberty Garage	5 * 5.933 = 29.6664
Bakerstown Rd at Silverville Rd	/ Layover - East Liberty Terminal	2 * 21.326 = 42.6515
Liberty Ave at Gateway #4	/ St Clair St N past Bunkerhill St	2 * 8.205 = 16.4108
Layover - Penn Park Terminal	/ Liberty Ave at Gateway #4	2 * 1.652 = 3.3038
Bakerstown Rd at Silverville Rd	/ Layover - Penn Park Terminal	1 * 24.491 = 24.4908
Bakerstown Rd at Silverville Rd	/ Layover - Brushton Terminal	1 * 22.318 = 22.3183
Liberty Ave at Gateway #4	/ Layover - Wallace Terminal	1 * 7.624 = 7.6237
Liberty Ave at Gateway #4	/ Layover - Brushton Terminal	1 * 6.919 = 6.919

Route P12 Holiday Park Flyer
ROUTE OVERVIEW

First pull-out	:	4:28					
Last pull-in	:	20:17					
Number of blocks	:	24					
Number at garage	:	56					
Pull-out/Pull-in	:	20/ 13 / / / / /					
Number of in-service trips	:	38	In-service distance			:	831.415
Off-service duration	:	18h35	Off-service distance			:	493.371
In-service duration	:	36h42					
Loading duration	:	0h00					
Layover duration	:	3h11	Total distance			:	1324.787
Total duration	:	58h28					
% Off-service/total time	:	31.8 %	In-service speed			:	23.6
% Layover/total time	:	5.4 %	Inbound			:	21.9
% Off-service/total distance	:	37.2 %	Outbound			:	22.7
			Average				
			Speed				
			Total : 22.7 In-serv. + layover			:	20.8

In-service trip pattern	- Inbound	Distances
Holiday Park Dr at Route 286	/ Penn Station Stop B	14 * 21.726 = 304.1603
Holiday Park Dr at Route 286	/ Penn Station Stop C	4 * 19.939 = 79.7576

In-service trip pattern	- Outbound	Distances
Penn Station Stop C	/ Holiday Park Dr at Route 286	17 * 22.696 = 385.8253
Penn Station Stop B	/ Holiday Park Dr at Route 286	3 * 20.567 = 61.7023

Off-service trip pattern		Distances
East Liberty Garage	/ Holiday Park Dr at Route 286	11 * 15.881 = 174.6873
Holiday Park Dr at Route 286	/ East Liberty Garage	9 * 15.597 = 140.3724
East Liberty Garage	/ Penn Station Stop C	9 * 5.162 = 46.4613
Holiday Park Dr at Route 286	/ Layover - Brushton Terminal	4 * 13.943 = 55.7721
Penn Station Stop B	/ East Liberty Garage	4 * 5.187 = 20.7477
Penn Station Stop B	/ Layover - Mellon Terrace Terminal	2 * 7.079 = 14.1578
Layover - Penn Park Terminal	/ Penn Station Stop C	2 * 0.264 = 0.527
Penn Station Stop B	/ Layover - Harmar Garage Terminal	1 * 13.546 = 13.5458
Penn Station Stop B	/ Layover - E Busway Swissvale Terminal	1 * 8.994 = 8.9939
Penn Station Stop B	/ Lincoln Loop	1 * 7.029 = 7.0294
Penn Station Stop B	/ Layover - Brushton Terminal	1 * 6.173 = 6.1727
Penn Station Stop B	/ Layover - East Liberty Terminal	1 * 4.904 = 4.9041

Route P13 Mount Royal Flyer
 ROUTE OVERVIEW

First pull-out	:	5:29						
Last pull-in	:	18:41						
Number of blocks	:	10						
Number at garage	:	10						
Pull-out/Pull-in	:	8/ 7 / / / / /						
Number of in-service trips	:	14	In-service distance				:	204.407
Off-service duration	:	6h20	Off-service distance				:	126.516
In-service duration	:	10h27						
Loading duration	:	0h00	Total distance				:	330.923
Layover duration	:	2h37						
Total duration	:	19h24						
% Off-service/total time	:	32.6 %	In-service speed				:	19.4
% Layover/total time	:	13.5 %	Inbound				:	19.7
% Off-service/total distance	:	38.2 %	Outbound				:	19.6
			Average					
				Speed				
			Total :	17.1 In-serv. + layover			:	15.6

In-service trip pattern	- Inbound	Distances
McKnight Rd past Ross Park Mall Dr	/ 9th St at Penn Ave	7 * 14.269 = 99.8864

In-service trip pattern	- Outbound	Distances
9th St at Penn Ave	/ McKnight Rd opp. Ross Park Mall Dr	7 * 14.350 = 100.4495

Off-service trip pattern		Distances
McKnight Rd opp. Ross Park Mall Dr	/ Ross Garage	4 * 4.146 = 16.5827
Ross Garage	/ McKnight Rd past Ross Park Mall Dr	4 * 4.109 = 16.436
9th St at Penn Ave	/ Ross Garage	3 * 6.215 = 18.6437
Ross Garage	/ 9th St at Penn Ave	3 * 6.175 = 18.525
9th St at Penn Ave	/ North Hills Village Terminus	2 * 7.582 = 15.1638
North Hills Village Terminus	/ 9th St at Penn Ave	2 * 7.390 = 14.7801
McKnight Rd opp. Ross Park Mall Dr	/ North Hills Village Terminus	2 * 1.814 = 3.6289
North Hills Village Terminus	/ McKnight Rd past Ross Park Mall Dr	2 * 1.650 = 3.300
McKnight Rd opp. Ross Park Mall Dr	/ Layover - Penn Park Terminal	1 * 9.000 = 9.000
9th St at Penn Ave	/ West View Plaza Terminus	1 * 6.555 = 6.555
Ross Garage	/ McKnight Rd past Ross Park Mall Dr	1 * 4.109 = 4.109
Layover - Penn Park Terminal	/ 9th St at Penn Ave	1 * 0.956 = 0.9559
9th St at Penn Ave	/ Layover - Penn Park Terminal	1 * 0.643 = 0.6431

Route P16 Penn Hills Flyer
 ROUTE OVERVIEW

First pull-out	:	4:37					
Last pull-in	:	19:41					
Number of blocks	:	21					
Number at garage	:	56					
Pull-out/Pull-in	:	16/ 15	/	/	/	/	/
Number of in-service trips	:	28	In-service distance				552.531
Off-service duration	:	14h59	Off-service distance				455.071
In-service duration	:	31h17					
Loading duration	:	0h00					
Layover duration	:	3h30	Total distance				1007.602
Total duration	:	49h46					
% Off-service/total time	:	30.1 %	In-service speed				17.6
% Layover/total time	:	7.0 %	Outbound				17.7
% Off-service/total distance	:	45.2 %	Inbound				17.7
			Average				
				Speed			
			Total :	20.2 In-serv. + layover			15.9

In-service trip pattern	- Inbound	Distances
Monroeville Trestle Rd at Saltsburg Rd	/ Penn Station Stop B	6 * 18.258 = 109.5478
Alpha Dr E at Freeport Rd	/ Penn Station Stop B	4 * 22.282 = 89.1296
Monroeville Trestle Rd at Saltsburg Rd	/ Penn Station Stop B	3 * 17.238 = 51.7133
Alpha Dr E at Freeport Rd	/ Penn Station Stop B	1 * 25.683 = 25.6834

In-service trip pattern	- Outbound	Distances
Penn Station Stop C	/ Saltsburg Rd opp. Monroeville Trestle Rd	7 * 18.256 = 127.7887
Penn Station Stop C	/ Saltsburg Rd at Monroeville-Trestle Rd	3 * 17.388 = 52.1646
Penn Station Stop C	/ Alpha Dr E past Freeport Rd	2 * 25.901 = 51.8028
Penn Station Stop C	/ Alpha Dr E past Freeport Rd	2 * 22.355 = 44.7106

Off-service trip pattern	Distances	
East Liberty Garage	/ Penn Station Stop C	6 * 5.162 = 30.9742
East Liberty Garage	/ Monroeville Trestle Rd at Saltsburg Rd	5 * 12.687 = 63.4365
East Liberty Garage	/ Alpha Dr E at Freeport Rd	5 * 9.996 = 49.9822
Penn Station Stop B	/ East Liberty Garage	5 * 5.187 = 25.9347
Layover - Penn Park Terminal	/ Penn Station Stop C	5 * 0.264 = 1.3175
Penn Station Stop B	/ Monroeville Trestle Rd at Saltsburg Rd	4 * 17.537 = 70.1489
Saltsburg Rd opp. Monroeville Trestle Rd	/ East Liberty Garage	4 * 12.360 = 49.4395
Alpha Dr E past Freeport Rd	/ East Liberty Garage	4 * 10.971 = 43.8848
Saltsburg Rd opp. Monroeville Trestle Rd	/ Penn Station Stop C	3 * 16.842 = 50.5265
Saltsburg Rd at Monroeville-Trestle Rd	/ East Liberty Garage	2 * 12.352 = 24.7042
Penn Station Stop B	/ Layover - Brushton Terminal	2 * 6.173 = 12.3453
Saltsburg Rd at Monroeville-Trestle Rd	/ Penn Station Stop C	1 * 16.834 = 16.8344
Penn Station Stop B	/ Fox Chapel Term(Old Freeport-Freeport)	1 * 10.413 = 10.413
Penn Station Stop B	/ Layover - East Liberty Terminal	1 * 4.904 = 4.9041
Penn Station Stop B	/ Layover - Penn Park Terminal	1 * 0.225 = 0.2253

Route P17 Lincoln Park Flyer
 ROUTE OVERVIEW

First pull-out	:	14:56						
Last pull-in	:	8:58						
Number of blocks	:	14						
Number at garage	:	56						
Pull-out/Pull-in	:	6/ 2 / / / / /						
Number of in-service trips	:	14	In-service distance				:	156.520
Off-service duration	:	2h12	Off-service distance				:	73.332
In-service duration	:	10h09						
Loading duration	:	0h00	Total distance				:	229.851
Layover duration	:	0h24						
Total duration	:	12h45						
% Off-service/total time	:	17.3 %	In-service speed				:	15.7
% Layover/total time	:	3.1 %	Inbound				:	15.0
% Off-service/total distance	:	31.9 %	Outbound				:	15.4
			Average					
				Speed				
			Total :	18.0 In-serv. + layover			:	14.8

In-service trip pattern	- Inbound	Distances
Verona Rd at Giant Eagle Driveway	/ Penn Station Stop B	7 * 13.494 = 94.4553

In-service trip pattern	- Outbound	Distances
Penn Station Stop C	/ Lincoln Ave at Verona Blvd	7 * 8.867 = 62.0695

Off-service trip pattern	Distances
East Liberty Garage / Penn Station Stop C	6 * 5.162 = 30.9742
Penn Station Stop B / Layover - Brushton Terminal	4 * 6.173 = 24.6906
Penn Station Stop B / East Liberty Garage	2 * 5.187 = 10.3739
Penn Station Stop B / Lincoln Loop	1 * 7.029 = 7.0294
Layover - Penn Park Terminal / Penn Station Stop C	1 * 0.264 = 0.2635

Route P2 East Busway Short
 ROUTE OVERVIEW

First pull-out	:	6:32						
Last pull-in	:	10:05						
Number of blocks	:	9						
Number at garage	:	56						
Pull-out/Pull-in	:	3/ 8 / / / / /						
Number of in-service trips	:	42	In-service distance				:	308.014
Off-service duration	:	2h27	Off-service distance				:	60.125
In-service duration	:	14h38						
Loading duration	:	0h00	Total distance				:	368.139
Layover duration	:	4h07						
Total duration	:	21h12						
% Off-service/total time	:	11.6 %	In-service speed				:	20.5
% Layover/total time	:	19.4 %	Outbound				:	21.5
% Off-service/total distance	:	16.3 %	Inbound				:	21.0
			Average					
				Speed				
			Total :	17.4 In-serv. + layover			:	16.4

In-service trip pattern	- Inbound	Distances
Layover - Wallace Terminal	/ Liberty Ave at 10th St NS	23 * 7.143 = 164.288

In-service trip pattern	- Outbound	Distances
Liberty Ave at 10th St NS	/ Layover - Wallace Terminal	19 * 7.560 = 143.6368

Off-service trip pattern	Distances
Liberty Ave at 10th St NS / East Liberty Garage	8 * 5.873 = 46.9864
East Liberty Garage / Layover - Wallace Terminal	3 * 2.095 = 6.2835
Liberty Ave at 10th St NS / Layover - Brushton Terminal	1 * 6.855 = 6.8552

Route P3 East Busway-Oakland
 ROUTE OVERVIEW

First pull-out	:	4:58					
Last pull-in	:	22:10					
Number of blocks	:	25					
Number at garage	:	46					
Pull-out/Pull-in	:	19/ 24	/	/	/	/	/
Number of in-service trips	:	113	In-service distance				942.100
Off-service duration	:	19h24	Off-service distance				353.252
In-service duration	:	52h31					
Loading duration	:	0h00	Total distance				1295.352
Layover duration	:	12h09					
Total duration	:	84h04					
% Off-service/total time	:	23.1 %	In-service speed				
% Layover/total time	:	14.5 %	Outbound				18.3
% Off-service/total distance	:	27.3 %	Inbound				17.6
			Average				17.9
			Speed				
			Total : 15.4 In-serv. + layover				14.6

In-service trip pattern	- Inbound	Distances
Layover - E Busway Swissvale Terminal	/ Fifth Ave at Robinson St	55 * 8.345 = 458.9563

In-service trip pattern	- Outbound	Distances
Fifth Ave at Robinson St	/ Layover - E Busway Swissvale Terminal	45 * 8.329 = 374.8065
Fifth Ave at Maurice St	/ Layover - E Busway Swissvale Terminal	13 * 8.324 = 108.2154

Off-service trip pattern	Distances
Layover - E Busway Swissvale Terminal / West Mifflin Garage	9 * 8.684 = 78.156
Fifth Ave at Robinson St / West Mifflin Garage	9 * 7.455 = 67.096
West Mifflin Garage / Fifth Ave at Maurice St	9 * 7.388 = 66.4945
West Mifflin Garage / Layover - E Busway Swissvale Terminal	8 * 8.579 = 68.632
Layover - E Busway Swissvale Terminal / West Mifflin Garage	5 * 8.764 = 43.8188
West Mifflin Garage / Layover - E Busway Swissvale Terminal	2 * 8.499 = 16.9983
Fifth Ave at Robinson St / West Mifflin Garage	1 * 7.373 = 7.373
Layover - E Busway Swissvale Terminal / Layover - Waterfront Terminal	1 * 4.522 = 4.5222

Route P67 Monroeville Flyer
ROUTE OVERVIEW

First pull-out	:	5:27					
Last pull-in	:	19:12					
Number of blocks	:	12					
Number at garage	:	56					
Pull-out/Pull-in	:	10/ 6 / / / / /					
Number of in-service trips	:	19	In-service distance			:	310.745
Off-service duration	:	6h11	Off-service distance			:	155.013
In-service duration	:	14h48					
Loading duration	:	0h00					
Layover duration	:	1h49	Total distance			:	465.758
Total duration	:	22h48					
% Off-service/total time	:	27.1 %	In-service speed			:	26.5
% Layover/total time	:	8.0 %	Inbound			:	16.8
% Off-service/total distance	:	33.3 %	Outbound			:	21.0
			Average				
			Speed				
			Total : 20.4 In-serv. + layover			:	18.7

In-service trip pattern	- Inbound	Distances
Monroeville Mall Park-and-Ride	/ Penn Station Stop B	7 * 14.375 = 100.6267
Monroeville Mall Park-and-Ride	/ Penn Station Stop C	2 * 12.966 = 25.931

In-service trip pattern	- Outbound	Distances
Penn Station Stop C	/ Monroeville Mall Park-and-Ride	8 * 14.300 = 114.4009
Penn Station Stop B	/ Monroeville Mall Park-and-Ride	2 * 12.890 = 25.7808

Off-service trip pattern		Distances
East Liberty Garage	/ Monroeville Mall Park-and-Ride	5 * 8.684 = 43.4201
East Liberty Garage	/ Penn Station Stop C	5 * 5.162 = 25.8118
Monroeville Mall Park-and-Ride	/ East Liberty Garage	4 * 8.806 = 35.224
Penn Station Stop B	/ Layover - Brushton Terminal	2 * 6.173 = 12.3453
Penn Station Stop B	/ East Liberty Garage	2 * 5.187 = 10.3739
Layover - Penn Park Terminal	/ Penn Station Stop C	2 * 0.264 = 0.527
Monroeville Mall Park-and-Ride	/ Layover - Penn Park Terminal	1 * 13.080 = 13.080
Monroeville Mall Park-and-Ride	/ Layover - Brushton Terminal	1 * 7.152 = 7.1521
Penn Station Stop B	/ Layover - Mellon Terrace Terminal	1 * 7.079 = 7.0789

Route P68 Braddock Hills Flyer
 ROUTE OVERVIEW

First pull-out	:	5:15					
Last pull-in	:	24:27					
Number of blocks	:	13					
Number at garage	:	56					
Pull-out/Pull-in	:	11/ 9 / / / / /					
Number of in-service trips	:	49	In-service distance			:	761.494
Off-service duration	:	7h06	Off-service distance			:	176.955
In-service duration	:	41h31					
Loading duration	:	0h00					
Layover duration	:	4h48	Total distance			:	938.449
Total duration	:	53h25					
% Off-service/total time	:	13.3 %	In-service speed			:	18.7
% Layover/total time	:	9.0 %	Inbound			:	18.0
% Off-service/total distance	:	18.9 %	Outbound			:	18.3
			Average				
			Speed				
			Total : 17.6 In-serv. + layover			:	16.4

In-service trip pattern	- Inbound	Distances
Monroeville Mall (West Court entrance)	/ Liberty Ave at 10th St NS	20 * 18.395 = 367.900
Penn Station Stop C	/ Liberty Ave at 10th St NS	8 * 0.174 = 1.3927

In-service trip pattern	- Outbound	Distances
Liberty Ave at 10th St NS	/ Monroeville Mall (West Court entrance)	21 * 18.943 = 397.8132

Off-service trip pattern	Distances
East Liberty Garage	/ Penn Station Stop C 6 * 5.162 = 30.9742
Monroeville Mall (West Court entrance)	/ East Liberty Garage 5 * 9.057 = 45.2849
East Liberty Garage	/ Monroeville Mall (West Court entrance) 5 * 8.897 = 44.4865
Liberty Ave at 10th St NS	/ East Liberty Garage 4 * 5.873 = 23.4932
Layover - Penn Park Terminal	/ Penn Station Stop C 2 * 0.264 = 0.527
Monroeville Mall (West Court entrance)	/ Layover - Penn Park Terminal 1 * 13.331 = 13.3309
Liberty Ave at 10th St NS	/ Fox Chapel Term(Old Freeport-Freeport) 1 * 11.095 = 11.0955
Liberty Ave at 10th St NS	/ Layover - Brushton Terminal 1 * 6.855 = 6.8552
Liberty Ave at 10th St NS	/ Layover - Penn Park Terminal 1 * 0.908 = 0.9078

Route P69 Trafford Flyer
ROUTE OVERVIEW

First pull-out	:	5:20					
Last pull-in	:	19:20					
Number of blocks	:	8					
Number at garage	:	56					
Pull-out/Pull-in	:	3/ 6 / / / / /					
Number of in-service trips	:	12	In-service distance			:	151.976
Off-service duration	:	4h07	Off-service distance			:	114.787
In-service duration	:	8h16					
Loading duration	:	0h00					
Layover duration	:	1h09	Total distance			:	266.764
Total duration	:	13h32					
% Off-service/total time	:	30.4 %	In-service speed			:	17.7
% Layover/total time	:	8.5 %	Inbound			:	19.1
% Off-service/total distance	:	43.0 %	Outbound			:	18.4
			Average				
			Speed				
			Total : 19.7 In-serv. + layover			:	16.1

In-service trip pattern	- Inbound	Distances
Layover - Viaduct Way Terminal	/ Liberty Ave at Market St	4 * 18.697 = 74.7864
Penn Station Stop C	/ Liberty Ave at Market St	4 * 0.828 = 3.3125

In-service trip pattern	- Outbound	Distances
Liberty Ave at Market St	/ Layover - Viaduct Way Terminal	4 * 18.473 = 73.8919

Off-service trip pattern	Distances
Layover - Viaduct Way Terminal	3 * 14.532 = 43.5961
Liberty Ave at Market St	3 * 5.769 = 17.3056
Layover - Penn Park Terminal	3 * 0.264 = 0.7905
East Liberty Garage	2 * 14.150 = 28.3005
Layover - Viaduct Way Terminal	1 * 12.878 = 12.8781
Liberty Ave at Market St	1 * 6.754 = 6.7543
East Liberty Garage	1 * 5.162 = 5.1624

Route P7 McKeesport Flyer
 ROUTE OVERVIEW

First pull-out	:	5:06					
Last pull-in	:	19:51					
Number of blocks	:	14					
Number at garage	:	46					
Pull-out/Pull-in	:	8/ 10 / / / / /					
Number of in-service trips	:	29	In-service distance			:	488.504
Off-service duration	:	5h55	Off-service distance			:	126.670
In-service duration	:	24h43					
Loading duration	:	0h00	Total distance			:	615.174
Layover duration	:	2h32					
Total duration	:	33h10					
% Off-service/total time	:	17.8 %	In-service speed			:	19.1
% Layover/total time	:	7.6 %	Inbound			:	20.6
% Off-service/total distance	:	20.6 %	Outbound			:	19.8
			Average				
				Speed			
			Total :	18.5 In-serv. + layover		:	17.9

In-service trip pattern	- Inbound	Distances
McKeesport Transportation Ctr Bay #2	/ Liberty Ave at Market St	15 * 17.508 = 262.6247

In-service trip pattern	- Outbound	Distances
Liberty Ave at Market St	/ McKeesport Transportation Ctr Bay #2	14 * 16.434 = 230.0757

Off-service trip pattern	Distances
McKeesport Transportation Ctr Bay #2 / West Mifflin Garage	9 * 6.896 = 62.0606
West Mifflin Garage / McKeesport Transportation Ctr Bay #2	6 * 6.937 = 41.622
West Mifflin Garage / McKeesport Transportation Ctr Bay #2	2 * 6.985 = 13.9705
Liberty Ave at Market St / West Mifflin Garage	1 * 8.648 = 8.648

Route P71 Swissvale Flyer
 ROUTE OVERVIEW

First pull-out	:	5:48					
Last pull-in	:	19:20					
Number of blocks	:	10					
Number at garage	:	56					
Pull-out/Pull-in	:	7/ 6 / / / / /					
Number of in-service trips	:	27	In-service distance			:	258.697
Off-service duration	:	2h40	Off-service distance			:	74.619
In-service duration	:	15h18					
Loading duration	:	0h00					
Layover duration	:	2h50	Total distance			:	333.316
Total duration	:	20h48					
% Off-service/total time	:	12.8 %	In-service speed			:	16.7
% Layover/total time	:	13.6 %	Inbound			:	17.1
% Off-service/total distance	:	22.4 %	Outbound			:	16.9
			Average				
			Speed				
			Total : 16.0 In-serv. + layover			:	14.3

In-service trip pattern	- Inbound	Distances
Layover - E Busway Swissvale Terminal	/ Liberty Ave at 10th St NS	8 * 11.634 = 93.0738
Penn Station Stop C	/ Liberty Ave at 10th St NS	5 * 0.174 = 0.8705
Layover - E Busway Swissvale Terminal	/ Liberty Ave at 10th St NS	3 * 10.771 = 32.3126

In-service trip pattern	- Outbound	Distances
Liberty Ave at 10th St NS	/ Layover - E Busway Swissvale Terminal	8 * 12.223 = 97.7815
Liberty Ave at 10th St NS	/ Layover - E Busway Swissvale Terminal	3 * 11.515 = 34.5443

Off-service trip pattern	Distances
Layover - E Busway Swissvale Terminal	/ East Liberty Garage
East Liberty Garage	/ Layover - E Busway Swissvale Terminal
East Liberty Garage	/ Penn Station Stop C
Liberty Ave at 10th St NS	/ East Liberty Garage
Liberty Ave at 10th St NS	/ Layover - Penn Park Terminal
Liberty Ave at 10th St NS	/ Layover - Brushton Terminal
Layover - E Busway Swissvale Terminal	/ Layover - East Liberty Terminal
Layover - Penn Park Terminal	/ Penn Station Stop C

Route P76 Lincoln Highway Flyer
ROUTE OVERVIEW

First pull-out	:	5:02					
Last pull-in	:	19:32					
Number of blocks	:	19					
Number at garage	:	46					
Pull-out/Pull-in	:	19/ 12	/	/	/	/	/
Number of in-service trips	:	34	In-service distance				536.030
Off-service duration	:	18h17	Off-service distance				337.257
In-service duration	:	26h35					
Loading duration	:	0h00					
Layover duration	:	1h10	Total distance				873.287
Total duration	:	46h02					
% Off-service/total time	:	39.7 %	In-service speed				19.9
% Layover/total time	:	2.5 %	Inbound				20.5
% Off-service/total distance	:	38.6 %	Outbound				20.2
			Average				
			Speed				
			Total : 19.0 In-serv. + layover				19.3

In-service trip pattern	- Inbound	Distances
Olympia Park-and-Ride	/ Fifth Ave at Market St	9 * 21.730 = 195.5739
Fifth Ave at Grant St	/ Liberty Ave at Market St	9 * 0.420 = 3.779
Olympia Park-and-Ride	/ Liberty Ave at Market St	2 * 21.878 = 43.7561
Olympia Park-and-Ride	/ Liberty Ave at Market St	2 * 21.850 = 43.7009

In-service trip pattern	- Outbound	Distances
Liberty Ave at Market St	/ Olympia Park-and-Ride	11 * 21.070 = 231.7688
Liberty Ave at Market St	/ Olympia Park-and-Ride	1 * 21.097 = 21.0975

Off-service trip pattern	Distances
West Mifflin Garage	9 * 8.152 = 73.3681
West Mifflin Garage	8 * 9.694 = 77.552
Olympia Park-and-Ride	5 * 9.490 = 47.4494
Fifth Ave at Market St	5 * 7.871 = 39.3543
Olympia Park-and-Ride	3 * 9.411 = 28.233
Fifth Ave at Market St	3 * 8.678 = 26.034
West Mifflin Garage	2 * 9.742 = 19.4844
Fifth Ave at Market St	1 * 12.480 = 12.4797
Liberty Ave at Market St	1 * 8.648 = 8.648
Olympia Park-and-Ride	1 * 3.201 = 3.2012

Route P78 Oakmont Flyer
 ROUTE OVERVIEW

First pull-out	:	4:25					
Last pull-in	:	21:58					
Number of blocks	:	11					
Number at garage	:	56					
Pull-out/Pull-in	:	9/ 11 / / / / /					
Number of in-service trips	:	50	In-service distance			:	830.401
Off-service duration	:	6h04	Off-service distance			:	168.797
In-service duration	:	43h13					
Loading duration	:	0h00					
Layover duration	:	6h05	Total distance			:	999.198
Total duration	:	55h22					
% Off-service/total time	:	11.0 %	In-service speed			:	18.1
% Layover/total time	:	11.0 %	Inbound			:	20.4
% Off-service/total distance	:	16.9 %	Outbound			:	19.2
			Average				
				Speed			
			Total :	18.0 In-serv. + layover		:	16.8

In-service trip pattern	- Inbound	Distances
Layover - Harmar Garage Terminal	/ Liberty Ave at Market St	23 * 17.657 = 406.1094
Penn Station Stop C	/ Liberty Ave at Market St	4 * 0.828 = 3.3125

In-service trip pattern	- Outbound	Distances
Liberty Ave at Market St	/ Layover - Harmar Garage Terminal	23 * 17.668 = 406.3708

Off-service trip pattern		Distances
Layover - Harmar Garage Terminal	/ East Liberty Garage	7 * 10.829 = 75.8039
East Liberty Garage	/ Layover - Harmar Garage Terminal	5 * 9.854 = 49.2694
Liberty Ave at Market St	/ East Liberty Garage	4 * 5.769 = 23.0742
East Liberty Garage	/ Penn Station Stop C	4 * 5.162 = 20.6495

Route Y1 Large Flyer
ROUTE OVERVIEW

First pull-out	:	5:21					
Last pull-in	:	19:48					
Number of blocks	:	16					
Number at garage	:	46					
Pull-out/Pull-in	:	10/ 8 / / / / /					
Number of in-service trips	:	29	In-service distance			:	274.618
Off-service duration	:	11h47	Off-service distance			:	242.360
In-service duration	:	17h25					
Loading duration	:	0h00					
Layover duration	:	3h14	Total distance			:	516.978
Total duration	:	32h26					
% Off-service/total time	:	36.3 %	In-service speed			:	14.9
% Layover/total time	:	10.0 %	Inbound			:	16.7
% Off-service/total distance	:	46.9 %	Outbound			:	15.8
			Average				
			Speed				
			Total : 15.9 In-serv. + layover			:	13.3

In-service trip pattern	- Inbound	Distances
Fort Pitt Blvd past Smithfield St	/ Sixth Ave at Smithfield St	10 * 0.509 = 5.085
Large Park-and-Ride Terminal	/ Sixth Ave at Smithfield St	9 * 14.372 = 129.3469

In-service trip pattern	- Outbound	Distances
Sixth Ave at Smithfield St	/ Large Park-and-Ride Terminal	10 * 14.019 = 140.1867

Off-service trip pattern	Distances
West Mifflin Garage	/ Large Park-and-Ride Terminal
Large Park-and-Ride Terminal	/ West Mifflin Garage
West Mifflin Garage	/ Fort Pitt Blvd past Smithfield St
South Busway at Edgebrook Stop (inbound)	/ Fort Pitt Blvd past Smithfield St
Large Park-and-Ride Terminal	/ Fort Pitt Blvd past Smithfield St
Sixth Ave at Smithfield St	/ West Mifflin Garage
Sixth Ave at Smithfield St	/ Layover - Waterfront Terminal
Sixth Ave at Smithfield St	/ South Busway at Edgebrook Stop (outbound)
Sixth Ave at Smithfield St	/ Large Park-and-Ride Terminal
Sixth Ave at Smithfield St	/ Layover - West Mifflin Garage
Large Park-and-Ride Terminal	/ Layover - West Mifflin Garage
Sixth Ave at Smithfield St	/ Brentwood Loop
	6 * 6.964 = 41.785
	6 * 6.932 = 41.5891
	4 * 8.284 = 33.1361
	4 * 3.000 = 12.0008
	3 * 13.190 = 39.5705
	2 * 8.425 = 16.850
	2 * 8.138 = 16.2769
	2 * 3.097 = 6.1944
	1 * 13.345 = 13.3455
	1 * 8.437 = 8.437
	1 * 6.938 = 6.938
	1 * 6.034 = 6.034

Route Y45 Baldwin Manor Flyer
 ROUTE OVERVIEW

First pull-out	:	5:06					
Last pull-in	:	19:26					
Number of blocks	:	9					
Number at garage	:	46					
Pull-out/Pull-in	:	8/ 4 / / / / /					
Number of in-service trips	:	18	In-service distance	:	149.958		
Off-service duration	:	7h23	Off-service distance	:	137.218		
In-service duration	:	10h35					
Loading duration	:	0h00					
Layover duration	:	0h59	Total distance	:	287.176		
Total duration	:	18h57					
% Off-service/total time	:	39.0 %	In-service speed	:	13.2		
% Layover/total time	:	5.2 %	Inbound	:	15.4		
% Off-service/total distance	:	47.8 %	Outbound	:	14.2		
			Average	:			
			Speed	:			
			Total : 15.2 In-serv. + layover	:	13.0		

In-service trip pattern	- Inbound	Distances
Cochrans Mill Rd past Brownsville Rd	/ Sixth Ave at Smithfield St	6 * 12.491 = 74.9485
Fort Pitt Blvd past Smithfield St	/ Sixth Ave at Smithfield St	6 * 0.509 = 3.051

In-service trip pattern	- Outbound	Distances
Sixth Ave at Smithfield St	/ Brownsville Rd opp. Wilhelm Ave	6 * 11.993 = 71.9553

Off-service trip pattern	Distances
West Mifflin Garage	/ Fort Pitt Blvd past Smithfield St
Brownsville Rd opp. Wilhelm Ave	/ South Busway at Edgebrook Stop (inbound)
Brownsville Rd opp. Wilhelm Ave	/ West Mifflin Garage
West Mifflin Garage	/ Cochrans Mill Rd past Brownsville Rd
South Busway at Edgebrook Stop (inbound)	/ Fort Pitt Blvd past Smithfield St
Sixth Ave at Smithfield St	/ Layover - E Busway Swissvale Terminal
Sixth Ave at Smithfield St	/ Brentwood Loop
West Mifflin Garage	/ Cochrans Mill Rd past Brownsville Rd
Sixth Ave at Smithfield St	/ West Mifflin Garage
South Busway at Edgebrook Stop (outbound)	/ Cochrans Mill Rd past Brownsville Rd
Sixth Ave at Smithfield St	/ South Busway at Edgebrook Stop (outbound)

Route Y46 Elizabeth Flyer
 ROUTE OVERVIEW

First pull-out	:	4:00					
Last pull-in	:	24:47					
Number of blocks	:	25					
Number at garage	:	46					
Pull-out/Pull-in	:	23/ 21	/	/	/	/	/
Number of in-service trips	:	66	In-service distance		:	1248.416	
Off-service duration	:	18h20	Off-service distance		:	452.656	
In-service duration	:	68h44					
Loading duration	:	0h00					
Layover duration	:	4h11	Total distance		:	1701.073	
Total duration	:	91h15					
% Off-service/total time	:	20.1 %	In-service speed		:	17.2	
% Layover/total time	:	4.6 %	Inbound		:	19.2	
% Off-service/total distance	:	26.6 %	Outbound		:	18.2	
			Average				
				Speed			
			Total :	18.6 In-serv. + layover	:	17.1	

In-service trip pattern	- Inbound	Distances
Third Ave at Hwy 51 overpass(shelter)	/ Sixth Ave at Smithfield St	21 * 19.550 = 410.5492
Third Ave at Hwy 51 overpass(shelter)	/ Sixth Ave at Smithfield St	11 * 19.291 = 212.2038
Fort Pitt Blvd past Smithfield St	/ Sixth Ave at Smithfield St	2 * 0.509 = 1.017

In-service trip pattern	- Outbound	Distances
Sixth Ave at Smithfield St	/ Third Ave at Hwy 51 overpass(shelter)	24 * 19.584 = 470.0145
Sixth Ave at Smithfield St	/ Third Ave at Hwy 51 overpass(shelter)	8 * 19.325 = 154.6018

Off-service trip pattern	Distances
Third Ave at Hwy 51 overpass(shelter) / West Mifflin Garage	21 * 9.329 = 195.9177
West Mifflin Garage / Third Ave at Hwy 51 overpass(shelter)	21 * 9.297 = 195.2356
Third Ave at Hwy 51 overpass(shelter) / CCAC - South Campus	3 * 6.919 = 20.7557
West Mifflin Garage / Fort Pitt Blvd past Smithfield St	2 * 8.284 = 16.568
Sixth Ave at Smithfield St / Third Ave at Hwy 51 overpass(shelter)	1 * 15.678 = 15.6782
Sixth Ave at Smithfield St / Layover - West Mifflin Garage	1 * 8.437 = 8.437

Route Y47 Curry Flyer
 ROUTE OVERVIEW

First pull-out	:	4:51					
Last pull-in	:	22:42					
Number of blocks	:	17					
Number at garage	:	46					
Pull-out/Pull-in	:	11/ 14 / / / / /					
Number of in-service trips	:	48	In-service distance			:	656.473
Off-service duration	:	5h37	Off-service distance			:	108.636
In-service duration	:	40h29					
Loading duration	:	0h00					
Layover duration	:	4h15	Total distance			:	765.109
Total duration	:	50h21					
% Off-service/total time	:	11.2 %	In-service speed			:	15.2
% Layover/total time	:	8.4 %	Inbound			:	17.4
% Off-service/total distance	:	14.2 %	Outbound			:	16.2
			Average				
			Speed				
			Total : 15.2 In-serv. + layover			:	14.7

In-service trip pattern	- Inbound	Distances
CCAC - South Campus	/ Sixth Ave at Smithfield St	24 * 14.096 = 338.3136

In-service trip pattern	- Outbound	Distances
Sixth Ave at Smithfield St	/ CCAC - South Campus	24 * 13.321 = 319.715

Off-service trip pattern	Distances
CCAC - South Campus / West Mifflin Garage	14 * 3.845 = 53.8289
West Mifflin Garage / CCAC - South Campus	11 * 3.705 = 40.7546
CCAC - South Campus / Third Ave at Hwy 51 overpass(shelter)	2 * 7.026 = 14.0521

Route Y49 Prospect Flyer
 ROUTE OVERVIEW

First pull-out	:	5:00					
Last pull-in	:	24:06					
Number of blocks	:	15					
Number at garage	:	46					
Pull-out/Pull-in	:	14/ 10 / / / / /					
Number of in-service trips	:	48	In-service distance			:	649.848
Off-service duration	:	5h26	Off-service distance			:	95.997
In-service duration	:	42h38					
Loading duration	:	0h00					
Layover duration	:	3h09	Total distance			:	745.845
Total duration	:	51h13					
% Off-service/total time	:	10.6 %	In-service speed			:	14.5
% Layover/total time	:	6.2 %	Inbound			:	16.1
% Off-service/total distance	:	12.9 %	Outbound			:	15.2
			Average				
				Speed			
			Total :	14.6 In-serv. + layover		:	14.2

In-service trip pattern	- Inbound	Distances
CCAC - South Campus	/ Sixth Ave at Smithfield St	24 * 13.822 = 331.7227

In-service trip pattern	- Outbound	Distances
Sixth Ave at Smithfield St	/ CCAC - South Campus	24 * 13.287 = 318.8777

Off-service trip pattern	Distances
West Mifflin Garage	/ CCAC - South Campus
CCAC - South Campus	/ West Mifflin Garage
CCAC - South Campus	/ Century III Parking Lot at Shelter
	14 * 3.705 = 51.8695
	10 * 3.845 = 38.4492
	2 * 2.839 = 5.6785