

APPENDIX H
Service Operation Characteristics

Annual Operating Statistics

Alternative	Service	Peak Vehicles ¹	Annual Totals:	
			Vehicle Hours ²	Vehicle Miles ³
PA-1 Girard	North	2	17,521	163,453
	South	3	19,284	219,830
	Waterfront	3	19,284	219,273
	Totals	8	56,089	602,556
PA-2 Girard	North	3	19,284	252,782
	South	2	17,520	238,676
	Waterfront	3	19,284	219,273
	Totals	8	56,088	710,731
PA-3 Girard	North	2	17,521	194,057
	South	3	19,284	248,208
	Waterfront	3	19,284	219,273
	Totals	8	56,089	661,538
PA-1 Penn Treaty Park	North	2	17,520	157,900
	South	3	19,284	219,830
	Waterfront	3	19,283	214,997
	Totals	8	56,087	592,727
PA-2 Penn Treaty Park	North	3	19,284	247,228
	South	3	19,284	238,676
	Waterfront	3	19,283	214,997
	Totals	9	57,851	700,901
PA-3 Penn Treaty Park	North	2	17,520	188,503
	South	3	19,284	248,208
	Waterfront	3	19,284	214,997
	Totals	8	56,088	651,708

Notes:

1. Peak Vehicles are those required for service and do not include spares.
2. Vehicle Hours include hours in service only and do not include non-revenue time.
3. Vehicle Miles include miles in service and do not include deadheading, etc.

Station-to-Station Distances

PATCO Philadelphia Operations Plan

Girard Avenue Alternatives:

Alternative PA-1 - North Service - Weekday Operation

Station	Distance (feet)	Average Speed (mph)	Maximum Speed (mph)	Running Time (minutes)	
				Peak	Off-peak
Franklin Square	2,185	9.8	25	2.70	2.37
Independence Mall	3,725	11.2	30	3.95	3.61
Callowhill Street	1,295	11.2	30	1.48	1.15
Spring Garden Street	1,835	11.2	30	2.03	1.70
Frankford Avenue	1,840	9.8	25	2.30	1.97
Girard Avenue					
Northbound Total	10,880			12.46	10.80
Girard Avenue	1,960	9.8	25	2.44	2.11
Frankford Avenue	1,860	11.2	30	2.05	1.72
Spring Garden Street	1,550	11.2	30	1.74	1.41
Callowhill Street	3,470	11.2	30	3.69	3.35
Independence Mall	1,030	9.8	25	1.36	1.03
Franklin Square					
Southbound Total	9,870			11.28	9.62
Round Trip Travel Time				23.74	20.42
Vehicles Required					
Peak				2	
Mid-Day				2	
Off-Peak				2	

Alternative PA-1 - North Service - Weekend Operation

<u>Station</u>	<u>Distance (feet)</u>	<u>Average Speed (mph)</u>	<u>Maximum Speed (mph)</u>	<u>Running Time (minutes)</u>	
				<u>Peak</u>	<u>Off-peak</u>
Franklin Square	2,185	9.8	25	2.70	2.37
Independence Mall	3,725	11.2	30	3.95	3.61
Callowhill Street	1,295	11.2	30	1.48	1.15
Spring Garden Street	1,835	11.2	30	2.03	1.70
Frankford Avenue	1,840	9.8	25	2.30	1.97
Girard Avenue					
Northbound Total	10,880			12.46	10.80
Girard Avenue	1,960	9.8	25	2.44	2.11
Frankford Avenue	1,860	11.2	30	2.05	1.72
Spring Garden Street	1,550	11.2	30	1.74	1.41
Callowhill Street	3,470	11.2	30	3.69	3.35
Independence Mall	1,030	9.8	25	1.36	1.03
Franklin Square					
Southbound Total	9,870			11.28	9.62
Round Trip Travel Time				23.74	20.42
Vehicles Required					
Day				2	
Evening				2	

Girard Avenue Alternatives:

Alternative PA-1 - South Service - Weekday Operation

<u>Station</u>	<u>Distance (feet)</u>	<u>Average Speed (mph)</u>	<u>Maximum Speed (mph)</u>	<u>Running Time</u>	
				<u>Peak</u>	<u>Off-peak</u>
				<u>(minutes)</u>	
Franklin Square	2,185	9.8	25	2.70	2.37
Independence Mall	5,555	11.2	30	5.80	5.47
Penn's Landing	2,185	11.2	30	2.38	2.05
South Street	1,575	11.2	30	1.76	1.43
Christian Street	1,880	11.2	35	2.07	1.74
Reed Street	2,245	11.2	30	2.44	2.11
Pier 70					
<u>Southbound Total</u>	<u>15,625</u>			<u>17.15</u>	<u>15.17</u>
Pier 70	2,390	11.2	30	2.59	2.26
Reed Street	1,900	11.2	35	2.09	1.76
Christian Street	1,410	11.2	30	1.60	1.26
South Street	1,815	11.2	30	2.01	1.67
Penn's Landing	5,925	11.2	30	6.18	5.84
Independence Mall	1,030	9.8	25	1.36	1.03
Franklin Square					
<u>Northbound Total</u>	<u>14,470</u>			<u>15.83</u>	<u>13.82</u>
Round Trip Travel Time				32.98	28.99
Vehicles Required					
Peak				3	
Mid-Day				3	
Off-Peak				2	

Alternative PA-1 - South Service - Weekend Operation

<u>Station</u>	<u>Distance (feet)</u>	<u>Average Speed (mph)</u>	<u>Maximum Speed (mph)</u>	<u>Running Time (minutes)</u>	
				Peak	Off-peak
Franklin Square	2,185	9.8	25	2.70	2.37
Independence Mall	5,555	11.2	30	5.80	5.47
Penn's Landing	2,185	11.2	30	2.38	2.05
South Street	1,575	11.2	30	1.76	1.43
Christian Street	1,880	11.2	35	2.07	1.74
Reed Street	2,245	11.2	30	2.44	2.11
Pier 70					
Southbound Total	15,625			17.15	15.17
Pier 70	2,390	11.2	30	2.59	2.26
Reed Street	1,900	11.2	35	2.09	1.76
Christian Street	1,410	11.2	30	1.60	1.26
South Street	1,815	11.2	30	2.01	1.67
Penn's Landing	5,925	11.2	30	6.18	5.84
Independence Mall	1,030	9.8	25	1.36	1.03
Franklin Square					
Northbound Total	14,470			15.83	13.82
Round Trip Travel Time				32.98	28.99
Vehicles Required					
Day				2	
Evening				2	

Alternative PA-1 - Waterfront Service - Weekday Operation

Station	Distance (feet)	Average Speed (mph)	Maximum Speed (mph)	Running Time (minutes)	
				Peak	Off-peak
Girard Avenue	1,960	9.8	25	2.44	2.11
Frankford Avenue	1,860	11.2	30	2.05	1.72
Spring Garden Street	1,550	11.2	30	1.74	1.41
Callowhill Street	4,295	11.2	30	4.52	4.19
Penn's Landing	2,185	11.2	30	2.38	2.05
South Street	1,575	11.2	30	1.76	1.43
Christian Street	1,880	11.2	35	2.07	1.74
Reed Street	2,245	11.2	30	2.44	2.11
Pier 70					
Southbound Total	17,550			19.40	16.76
Pier 70	2,390	11.2	30	2.59	2.26
Reed Street	1,900	11.2	35	2.09	1.76
Christian Street	1,410	11.2	30	1.60	1.26
South Street	1,815	11.2	30	2.01	1.67
Penn's Landing	4,920	11.2	30	5.16	4.83
Callowhill Street	1,295	11.2	30	1.48	1.15
Spring Garden Street	1,835	11.2	30	2.03	1.70
Frankford Avenue	1,840	9.8	25	2.30	1.97
Girard Avenue					
Northbound Total	17,405			19.26	16.60
Round Trip Travel Time				38.66	33.36
Vehicles Required					
Peak				3	
Mid-Day				3	
Off-Peak				2	

Alternative PA-1 - Waterfront Service - Weekend Operation

<u>Station</u>	<u>Distance (feet)</u>	<u>Average Speed (mph)</u>	<u>Maximum Speed (mph)</u>	<u>Running Time (minutes)</u>	
				Peak	Off-peak
Girard Avenue	1,960	9.8	25	2.44	2.11
Frankford Avenue	1,860	11.2	30	2.05	1.72
Spring Garden Street	1,550	11.2	30	1.74	1.41
Callowhill Street	4,295	11.2	30	4.52	4.19
Penn's Landing	2,185	11.2	30	2.38	2.05
South Street	1,575	11.2	30	1.76	1.43
Christian Street	1,880	11.2	35	2.07	1.74
Reed Street	2,245	11.2	30	2.44	2.11
Pier 70					
Southbound Total	17,550			19.40	16.76
Pier 70	2,390	11.2	30	2.59	2.26
Reed Street	1,900	11.2	35	2.09	1.76
Christian Street	1,410	11.2	30	1.60	1.26
South Street	1,815	11.2	30	2.01	1.67
Penn's Landing	4,920	11.2	30	5.16	4.83
Callowhill Street	1,295	11.2	30	1.48	1.15
Spring Garden Street	1,835	11.2	30	2.03	1.7
Frankford Avenue	1,840	9.8	25	2.30	1.97
Girard Avenue					
Northbound Total	17,405			19.26	16.6
Round Trip Travel Time				38.66	33.36
Vehicles Required					
Day				2	
Evening				2	

PATCO Philadelphia Operations Plan
Girard Avenue Alternatives:
Alternative PA-2 - North Service - Weekday Operation

Station	Distance (feet)	Average Speed (mph)	Maximum Speed (mph)	Running Time (minutes)	
				Peak	Off-peak
8th Street					
12th Street	1,810	9.8	25	2.27	1.93
Juniper/City Hall	725	9.8	25	1.01	0.67
PA Convention Center	1,030	9.8	25	1.36	1.03
12th Street	630	9.8	25	0.90	0.56
8th Street	1,615	9.8	25	2.04	1.71
Independence Mall	1,290	9.8	25	1.66	1.33
2nd Street	1,720	9.8	25	2.16	1.83
Callowhill Street	5,170	11.2	30	5.41	5.08
Spring Garden Street	1,295	11.2	30	1.48	1.15
Frankford Avenue	1,835	11.2	30	2.03	1.7
Girard Avenue	1,840	9.8	25	2.30	1.97
Northbound Total	18,960			22.62	18.96
Girard Avenue	1,960	9.8	25	2.44	2.11
Frankford Avenue	1,860	11.2	30	2.05	1.72
Spring Garden Street	1,550	11.2	30	1.74	1.41
Callowhill Street	5,155	11.2	30	5.40	5.06
2nd Street	1,270	9.8	25	1.64	1.31
Independence Mall	1,335	9.8	25	1.71	1.38
8th Street					
Southbound Total	13,130			14.98	12.99
Round Trip Travel Time				37.60	31.95
Vehicles Required					
Peak				3	
Mid-Day				2	
Off-Peak				2	

Alternative PA-2 - North Service - Weekend Operation

Station	Distance (feet)	Average Speed (mph)	Maximum Speed (mph)	Running Time (minutes)	
				Peak	Off-peak
8th Street					
	1,810	9.8	25	2.27	1.93
12th Street					
	725	9.8	25	1.01	0.67
Juniper/City Hall					
	1,030	9.8	25	1.36	1.03
PA Convention Center					
	630	9.8	25	0.90	0.56
12th Street					
	1,615	9.8	25	2.04	1.71
8th Street					
	1,290	9.8	25	1.66	1.33
Independence Mall					
	1,720	9.8	25	2.16	1.83
2nd Street					
	5,170	11.2	30	5.41	5.08
Callowhill Street					
	1,295	11.2	30	1.48	1.15
Spring Garden Street					
	1,835	11.2	30	2.03	1.7
Frankford Avenue					
	1,840	9.8	25	2.30	1.97
Girard Avenue					
Northbound Total	18,960			22.62	18.96
Girard Avenue					
	1,960	9.8	25	2.44	2.11
Frankford Avenue					
	1,860	11.2	30	2.05	1.72
Spring Garden Street					
	1,550	11.2	30	1.74	1.41
Callowhill Street					
	5,155	11.2	30	5.40	5.06
2nd Street					
	1,270	9.8	25	1.64	1.31
Independence Mall					
	1,335	9.8	25	1.71	1.38
8th Street					
Southbound Total	13,130			13.24	12.99
Round Trip Travel Time				35.86	31.95
Vehicles Required					
Day				2	
Evening				2	

**Girard Avenue Alternatives:
Alternative PA-2 - South Service - Weekday Operation**

Station	Distance (feet)	Average Speed (mph)	Maximum Speed (mph)	Running Time (minutes)	
				Peak	Off-peak
8th Street					
12th Street	1,810	9.8	25	2.27	1.93
Juniper/City Hall	725	9.8	25	1.01	0.67
PA Convention Center	1,030	9.8	25	1.36	1.03
12th Street	630	9.8	25	0.90	0.56
8th Street	1,615	9.8	25	2.04	1.71
Independence Mall	1,290	9.8	25	1.66	1.33
2nd Street	1,720	9.8	25	2.16	1.83
Penn's Landing	2,620	11.2	30	2.82	2.49
South Street	2,185	11.2	30	2.38	2.05
Christian Street	1,575	11.2	30	1.76	1.43
Reed Street	1,880	11.2	35	2.07	1.74
Pier 70	2,245	11.2	30	2.44	2.11
Southbound Total	19,325			22.87	18.88
Pier 70					
Reed Street	2,390	11.2	30	2.59	2.26
Christian Street	1,900	11.2	35	2.09	1.76
South Street	1,410	11.2	30	1.60	1.26
Penn's Landing	1,815	11.2	30	2.01	1.67
2nd Street	3,230	11.2	30	3.44	3.11
Independence Mall	1,270	9.8	25	1.64	1.31
Franklin Square	1,335	9.8	25	1.71	1.38
Northbound Total	13,350			15.08	12.75
Round Trip Travel Time				37.95	31.63
Vehicles Required					
Peak				2	
Mid-Day				2	
Off-Peak				2	

Alternative PA-2 - South Service - Weekend Operation

Station	Distance (feet)	Average Speed (mph)	Maximum Speed (mph)	Running Time (minutes)	
				Peak	Off-peak
8th Street					
	1,810	9.8	25	2.27	1.93
12th Street					
	725	9.8	25	1.01	0.67
Juniper/City Hall					
	1,030	9.8	25	1.36	1.03
PA Convention Center					
	630	9.8	25	0.90	0.56
12th Street					
	1,615	9.8	25	2.04	1.71
8th Street					
	1,290	9.8	25	1.66	1.33
Independence Mall					
	1,720	9.8	25	2.16	1.83
2nd Street					
	2,620	11.2	30	2.82	2.49
Penn's Landing					
	2,185	11.2	30	2.38	2.05
South Street					
	1,575	11.2	30	1.76	1.43
Christian Street					
	1,880	11.2	35	2.07	1.74
Reed Street					
	2,245	11.2	30	2.44	2.11
Pier 70					
Southbound Total	19,325			22.87	18.88
Pier 70					
	2,390	11.2	30	2.59	2.26
Reed Street					
	1,900	11.2	35	2.09	1.76
Christian Street					
	1,410	11.2	30	1.60	1.26
South Street					
	1,815	11.2	30	2.01	1.67
Penn's Landing					
	3,230	11.2	30	3.44	3.11
2nd Street					
	1,270	9.8	25	1.64	1.31
Independence Mall					
	1,335	9.8	25	1.71	1.38
Franklin Square					
Northbound Total	3,350			15.08	12.75
Round Trip Travel Time				37.95	31.63
Vehicles Required					
Day				3	
Evening				3	

Alternative PA-2 - Waterfront Service - Weekday Operation

Station	Distance (feet)	Average Speed (mph)	Maximum Speed (mph)	Running Time (minutes)	
				Peak	Off-peak
Girard Avenue	1,960	9.8	25	2.44	2.11
Frankford Avenue	1,860	11.2	30	2.05	1.72
Spring Garden Street	1,550	11.2	30	1.74	1.41
Callowhill Street	4,295	11.2	30	4.52	4.19
Penn's Landing	2,185	11.2	30	2.38	2.05
South Street	1,575	11.2	30	1.76	1.43
Christian Street	1,880	11.2	35	2.07	1.74
Reed Street	2,245	11.2	30	2.44	2.11
Pier 70					
Southbound Total	17,550			19.40	16.76
Pier 70	2,390	11.2	30	2.59	2.26
Reed Street	1,900	11.2	35	2.09	1.76
Christian Street	1,410	11.2	30	1.60	1.26
South Street	1,815	11.2	30	2.01	1.67
Penn's Landing	4,920	11.2	30	5.16	4.83
Callowhill Street	1,295	11.2	30	1.48	1.15
Spring Garden Street	1,835	11.2	30	2.03	1.70
Frankford Avenue	1,840	9.8	25	2.30	1.97
Girard Avenue					
Northbound Total	17,405			16.60	16.60
Round Trip Travel Time				36.00	33.36
Vehicles Required					
Peak				3	
Mid-Day				2	
Off-Peak				2	

Alternative PA-2 - Waterfront Service - Weekend Operation

Station	Distance (feet)	Average Speed (mph)	Maximum Speed (mph)	Running Time (minutes)	
				Peak	Off-peak
Girard Avenue	1,960	9.8	25	2.44	2.11
Frankford Avenue	1,860	11.2	30	2.05	1.72
Spring Garden Street	1,550	11.2	30	1.74	1.41
Callowhill Street	4,295	11.2	30	4.52	4.19
Penn's Landing	2,185	11.2	30	2.38	2.05
South Street	1,575	11.2	30	1.76	1.43
Christian Street	1,880	11.2	35	2.07	1.74
Reed Street	2,245	11.2	30	2.44	2.11
Pier 70					
Southbound Total	17,550			19.40	16.76
Pier 70	2,390	11.2	30	2.59	2.26
Reed Street	1,900	11.2	35	2.09	1.76
Christian Street	1,410	11.2	30	1.60	1.26
South Street	1,815	11.2	30	2.01	1.67
Penn's Landing	4,920	11.2	30	5.16	4.83
Callowhill Street	1,295	11.2	30	1.48	1.15
Spring Garden Street	1,835	11.2	30	2.03	1.70
Frankford Avenue	1,840	9.8	25	2.30	1.97
Girard Avenue					
Northbound Total	17,405			19.26	16.60
Round Trip Travel Time				38.66	33.36
Vehicles Required					
Day				2	
Evening				2	

Alternative PA-3 - North Service - Weekday Operation

Station	Distance (feet)	Average Speed (mph)	Maximum Speed (mph)	Running Time (minutes)	
				Peak	Off-peak
8th Street					
Arch Street	1,180	9.8	25	1.53	1.20
Franklin Square	860	9.8	25	1.16	0.83
Independence Mall	2,185	9.8	25	2.70	2.37
Callowhill Street	3,725	11.2	30	3.95	3.61
Spring Garden Street	1,295	11.2	30	1.48	1.15
Frankford Avenue	1,835	11.2	30	2.03	1.70
Girard Avenue	1,840	9.8	25	2.30	1.97
Northbound Total	12,920			15.15	12.83
Girard Avenue					
Frankford Avenue	1,960	9.8	25	2.44	2.11
Spring Garden Street	1,860	11.2	30	2.05	1.72
Callowhill Street	1,550	11.2	30	1.74	1.41
Independence Mall	3,470	11.2	30	3.69	3.35
8th Street	2,875	9.8	25	3.50	3.17
Southbound Total	11,715			13.42	11.76
Round Trip Travel Time				28.57	24.59
Vehicles Required					
Peak				2	
Mid-Day				2	
Off-Peak				2	

Alternative PA-3 - North Service - Weekend Operation

Station	Distance (feet)	Average Speed (mph)	Maximum Speed (mph)	Running Time (minutes)	
				Peak	Off-peak
8th Street					
Arch Street	1,180	9.8	25	1.53	1.2
Franklin Square	860	9.8	25	1.16	0.83
Independence Mall	2,185	9.8	25	2.70	2.37
Callowhill Street	3,725	11.2	30	3.95	3.61
Spring Garden Street	1,295	11.2	30	1.48	1.15
Frankford Avenue	1,835	11.2	30	2.03	1.7
Girard Avenue	1,840	9.8	25	2.30	1.97
Northbound Total	12,920			15.15	12.83
Girard Avenue					
Frankford Avenue	1,960	9.8	25	2.44	2.11
Spring Garden Street	1,860	11.2	30	2.05	1.72
Callowhill Street	1,550	11.2	30	1.74	1.41
Independence Mall	3,470	11.2	30	3.69	3.35
8th Street	2,875	9.8	25	3.50	3.17
Southbound Total	11,715			13.42	11.76
Round Trip Travel Time				28.57	24.59
Vehicles Required					
Day				3	
Evening				3	

Girard Avenue Alternatives:

Alternative PA-3 - South Service - Weekday Operation

Station	Distance (feet)	Average Speed (mph)	Maximum Speed (mph)	Running Time (minutes)	
				Peak	Off-peak
8th Street					
	1,180	9.8	25	1.53	1.20
Arch Street	860	9.8	25	1.16	0.83
Franklin Square	2,185	9.8	25	2.70	2.37
Independence Mall	5,555	11.2	30	5.80	5.47
Penn's Landing	2,185	11.2	30	2.38	2.05
South Street	1,575	11.2	30	1.76	1.43
Christian Street	1,880	11.2	35	2.07	1.74
Reed Street	2,245	11.2	30	2.44	2.11
Pier 70					
Southbound Total	17,665			19.84	17.20
Pier 70	2,390	11.2	30	2.59	2.26
Reed Street	1,900	11.2	35	2.09	1.76
Christian Street	1,410	11.2	30	1.60	1.26
South Street	1,815	11.2	30	2.01	1.67
Penn's Landing	5,925	11.2	30	6.18	5.84
Independence Mall	2,875	9.8	25	3.50	3.17
8th Street					
Northbound Total	16,315			17.97	15.96
Round Trip Travel Time				37.81	33.16
Vehicles Required					
Peak				3	
Mid-Day				2	
Off-Peak				2	

Alternative PA-3 - South Service - Weekend Operation

Station	Distance (feet)	Average Speed (mph)	Maximum Speed (mph)	Running Time (minutes)	
				Peak	Off-peak
8th Street					
Arch Street	1,180	9.8	25	1.53	1.20
Franklin Square	860	9.8	25	1.16	0.83
Independence Mall	2,185	9.8	25	2.70	2.37
Penn's Landing	5,555	11.2	30	5.80	5.47
South Street	2,185	11.2	30	2.38	2.05
Christian Street	1,575	11.2	30	1.76	1.43
Reed Street	1,880	11.2	35	2.07	1.74
Pier 70	2,245	11.2	30	2.44	2.11
Southbound Total	17,665			19.84	17.20
Pier 70					
Reed Street	2,390	11.2	30	2.59	2.26
Christian Street	1,900	11.2	35	2.09	1.76
South Street	1,410	11.2	30	1.60	1.26
Penn's Landing	1,815	11.2	30	2.01	1.67
Independence Mall	5,925	11.2	30	6.18	5.84
8th Street	2,875	9.8	25	3.50	3.17
Northbound Total	16,315			17.97	15.96
Round Trip Travel Time				37.81	33.16
Vehicles Required					
Day				2	
Evening				2	

Alternative PA-3 - Waterfront Service - Weekday Operation

Station	Distance (feet)	Average Speed (mph)	Maximum Speed (mph)	Running Time (minutes)	
				Peak	Off-peak
Girard Avenue	1,960	9.8	25	2.44	2.11
Frankford Avenue	1,860	11.2	30	2.05	1.72
Spring Garden Street	1,550	11.2	30	1.74	1.41
Callowhill Street	4,295	11.2	30	4.52	4.19
Penn's Landing	2,185	11.2	30	2.38	2.05
South Street	1,575	11.2	30	1.76	1.43
Christian Street	1,880	11.2	35	2.07	1.74
Reed Street	2,245	11.2	30	2.44	2.11
Pier 70					
Southbound Total	17,550			19.40	16.76
Pier 70	2,390	11.2	30	2.59	2.26
Reed Street	1,900	11.2	35	2.09	1.76
Christian Street	1,410	11.2	30	1.60	1.26
South Street	1,815	11.2	30	2.01	1.67
Penn's Landing	4,920	11.2	30	5.16	4.83
Callowhill Street	1,295	11.2	30	1.48	1.15
Spring Garden Street	1,835	11.2	30	2.03	1.70
Frankford Avenue	1,840	9.8	25	2.30	1.97
Girard Avenue					
Northbound Total	17,405			19.26	16.60
Round Trip Travel Time				38.66	33.36
Vehicles Required					
Peak				3	
Mid-Day				2	
Off-Peak				2	

Alternative PA-3 - Waterfront Service - Weekend Operation

Station	Distance (feet)	Average Speed (mph)	Maximum Speed (mph)	Running Time (minutes)	
				Peak	Off-peak
Girard Avenue	1,960	9.8	25	2.44	2.11
Frankford Avenue	1,860	11.2	30	2.05	1.72
Spring Garden Street	1,550	11.2	30	1.74	1.41
Callowhill Street	4,295	11.2	30	4.52	4.19
Penn's Landing	2,185	11.2	30	2.38	2.05
South Street	1,575	11.2	30	1.76	1.43
Christian Street	1,880	11.2	35	2.07	1.74
Reed Street	2,245	11.2	30	2.44	2.11
Pier 70					
Southbound Total	17,550			19.40	16.76
Pier 70	2,390	11.2	30	2.59	2.26
Reed Street	1,900	11.2	35	2.09	1.76
Christian Street	1,410	11.2	30	1.60	1.26
South Street	1,815	11.2	30	2.01	1.67
Penn's Landing	4,920	11.2	30	5.16	4.83
Callowhill Street	1,295	11.2	30	1.48	1.15
Spring Garden Street	1,835	11.2	30	2.03	1.70
Frankford Avenue	1,840	9.8	25	2.30	1.97
Girard Avenue					
Northbound Total	17,405			19.26	16.60
Round Trip Travel Time				38.66	33.36
Vehicles Required					
Day				2	
Evening				2	

