

**ENERGY COST REDUCTION STUDY OF THE
WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY
METRORAIL SYSTEM
APPENDICES**

by
Richard A. Uher
Neena Sathi
Arvind Sathi

RAIL SYSTEMS CENTER
Mellon Institute
Carnegie-Mellon University
Pittsburgh, PA 15213



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FINAL REPORT

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16. Abstract <p>The objectives of this study were to classify the energy used by the Washington Metrorail into its primary end uses, and to identify those energy conservation strategies which have the highest potential for reducing energy cost. The effort involved analyzing present energy costs, developing cost-effective energy conservation strategies, simulating the energy cost savings associated with these strategies, recommending the appropriate strategies for implementation and outlining a program for executing the recommendations.</p> <p>The study is the first time that the Energy Management Model, developed for the transit industry by the Rail Systems Center at Carnegie-Mellon University, was comprehensively applied to a rapid transit property. The application was verified by comparing the simulated results to actual data. For all practical purposes, the simulated results agree to within 3% of the actual energy consumption.</p> <p>Five energy conservation strategies were recommended for implementation based on high benefit and low cost. These are: coasting, passenger load factor improvement, planned catch-up operation, regeneration of braking energy and passenger station lighting improvement. All of these strategies have payback periods less than three years.</p>			
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METRIC CONVERSION FACTORS

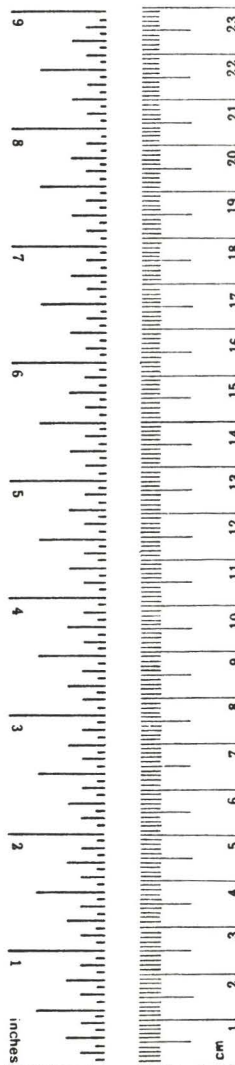
Approximate Conversions to Metric Measures

Symbol	When You Know	Multiply by	To Find	Symbol
LENGTH				
in	inches	*2.5	centimeters	cm
ft	feet	30	centimeters	cm
yd	yards	0.9	meters	m
mi	miles	1.6	kilometers	km
AREA				
in ²	square inches	6.5	square centimeters	cm ²
ft ²	square feet	0.09	square meters	m ²
yd ²	square yards	0.8	square meters	m ²
mi ²	square miles	2.6	square kilometers	km ²
	acres	0.4	hectares	ha
MASS (weight)				
oz	ounces	28	grams	g
lb	pounds	0.45	kilograms	kg
	short tons (2000 lb)	0.9	tonnes	t
VOLUME				
tsp	teaspoons	5	milliliters	ml
Tbsp	tablespoons	15	milliliters	ml
fl oz	fluid ounces	30	milliliters	ml
c	cups	0.24	liters	l
pt	pints	0.47	liters	l
qt	quarts	0.95	liters	l
gal	gallons	3.8	liters	l
ft ³	cubic feet	0.03	cubic meters	m ³
yd ³	cubic yards	0.76	cubic meters	m ³
TEMPERATURE (exact)				
°F	Fahrenheit temperature	5/9 (after subtracting 32)	Celsius temperature	°C

*1 in = 2.54 (exactly). For other exact conversions and more detailed tables, see NBS Misc. Publ. 286, Units of Weights and Measures, Price \$2.25, SD Catalog No. C13.10:286.

Approximate Conversions from Metric Measures

Symbol	When You Know	Multiply by	To Find	Symbol
LENGTH				
mm	millimeters	0.04	inches	in
cm	centimeters	0.4	inches	in
m	meters	3.3	feet	ft
m	meters	1.1	yards	yd
km	kilometers	0.6	miles	mi
AREA				
cm ²	square centimeters	0.16	square inches	in ²
m ²	square meters	1.2	square yards	yd ²
km ²	square kilometers	0.4	square miles	mi ²
ha	hectares (10,000 m ²)	2.5	acres	
MASS (weight)				
g	grams	0.035	ounces	oz
kg	kilograms	2.2	pounds	lb
t	tonnes (1000 kg)	1.1	short tons	
VOLUME				
ml	milliliters	0.03	fluid ounces	fl oz
l	liters	2.1	pints	pt
l	liters	1.06	quarts	qt
l	liters	0.26	gallons	gal
m ³	cubic meters	35	cubic feet	ft ³
m ³	cubic meters	1.3	cubic yards	yd ³
TEMPERATURE (exact)				
°C	Celsius temperature	9/5 (then add 32)	Fahrenheit temperature	°F



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9. APPENDIX

9.1. PASSENGER LOAD FACTOR ESTIMATES

The passenger load factor used in this report is based on crush loaded vehicles, since it is used in the TPS, to provide an estimate of the weight of the train. It is defined as the percentage ratio of the number of passengers to the number of crush load spaces between any two adjacent stations. A 0% load factor implies an empty train whose cars weigh 36 tons, while a 100% load factor represents a crush loaded train whose cars weigh 52.5 tons, and carry 220 150-pound passengers, each. The weight of 52.5 tons is the maximum car weight.

The passenger load factors between stations were developed using origin-destination data from the spring 1980 Metrorail Survey (Phase IV) and the 1980 operating timetable.

The origin-destination data consisted of station-to-station passenger counts on a weekday, during the four revenue service operating periods: AM Peak(6:00-9:30A), Midday (9:30A-3:00P), PM Peak (3:00P-6:30P), and Evening (6:30P-12:00A). No detail was available on the variation within these four periods. No data were available for Saturday and Sunday operation.

Passenger spaces were computed using the 1980 timetable. The results are shown in the table below:

CRUSH LOAD PASSENGER SPACES IN EACH DIRECTION

	<u>Red Line</u>	<u>Blue Line</u>	<u>Orange Line</u>	<u>Blue/Orange Line</u>
AM PEAK	57860	46580	46580	87060
MIDDAY	47540	41050	41050	77570
PM PEAK	56660	48620	48620	91520
EVENING	44660	35810	35810	68370

On the Red Line, the link volumes between each station were divided by the number of crush load passenger spaces to determine the passenger load factors. To obtain the passenger load factors on the Orange and Blue Lines, the link volumes were divided by:

- Blue/Orange spaces for stations between Rosslyn and Stadium Armory,
- Blue spaces for stations between National Airport and Rosslyn,
- Orange spaces for stations between Ballston and Rosslyn, and between Stadium Armory and New Carrollton.

All of the load factors are summarized in the Figures 9.1-1 to 9.1-24.

PASSENGER LOAD FACTOR

RED LINE (AM PEAK) DUPONT CIRCLE TO SILVER SPRING

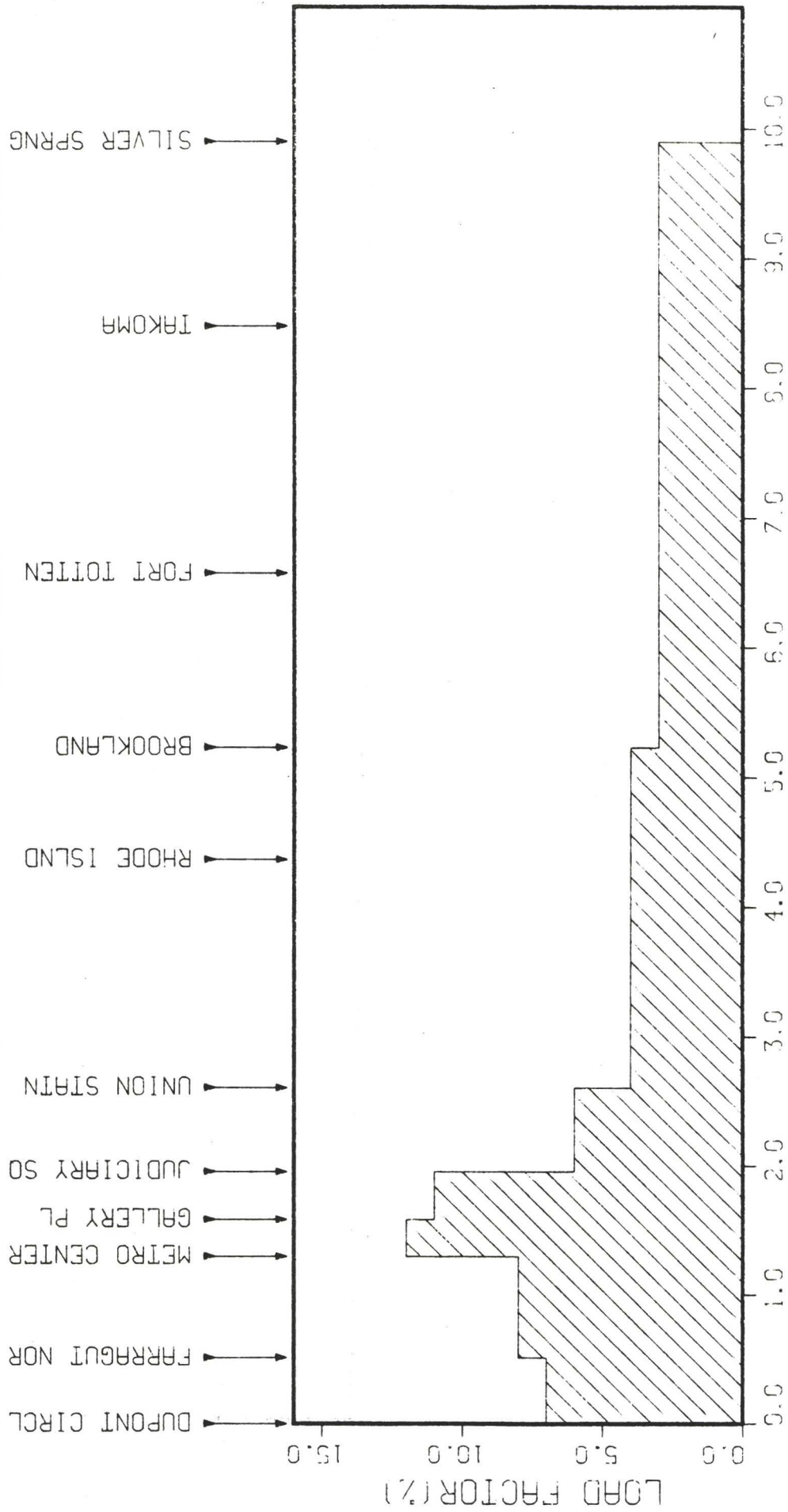
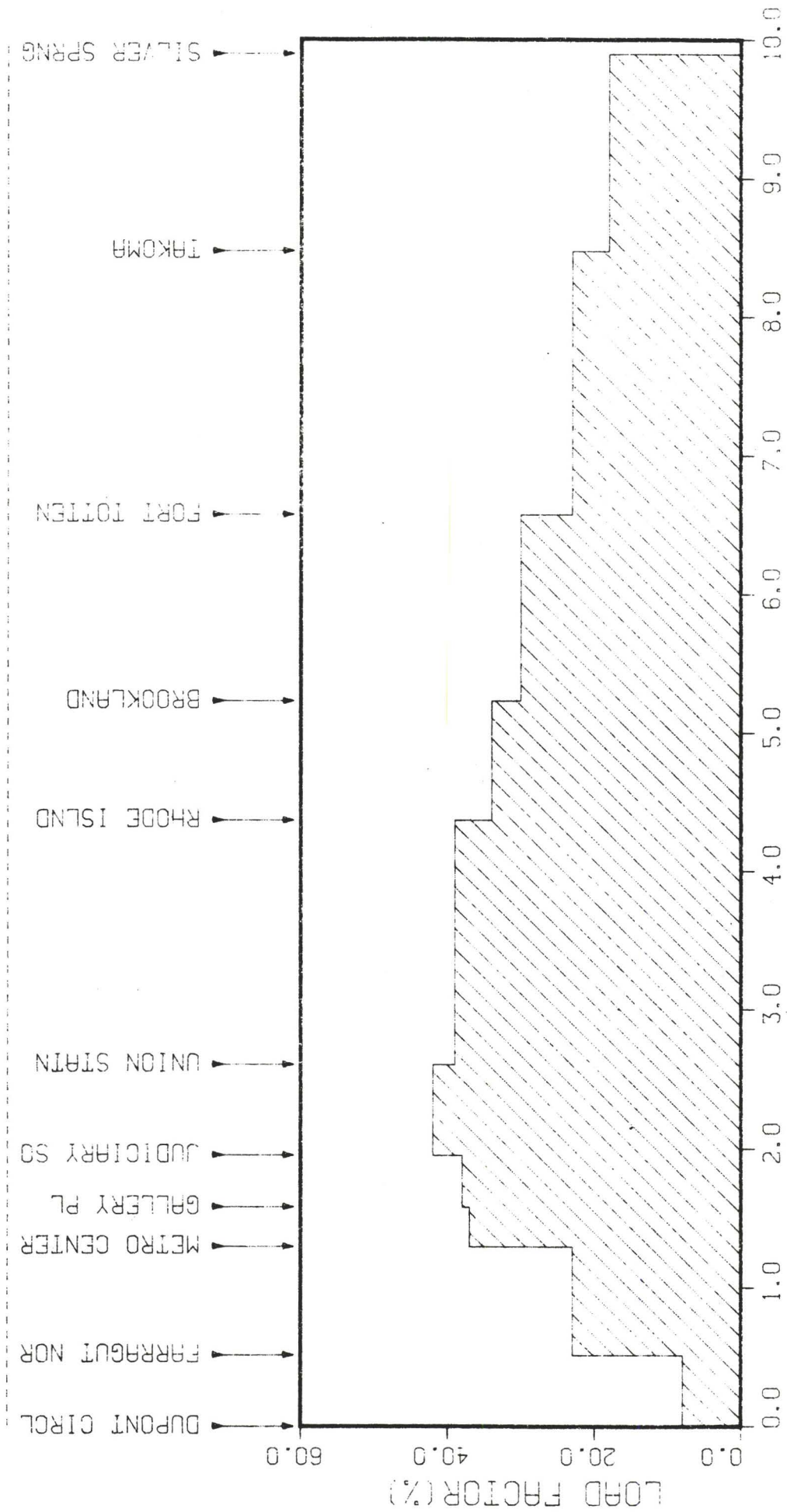


FIGURE 9.1-1

PASSENGER LOAD FACTOR

RED LINE (AM PEAK) SILVER SPRING TO DUPONT CIRCLE



MILEPOST
FIGURE 9.11-2

PASSENGER LOAD FACTOR

BLUE LINE (AM PEAK) NATIONAL AIRPORT TO STADIUM ARMORY

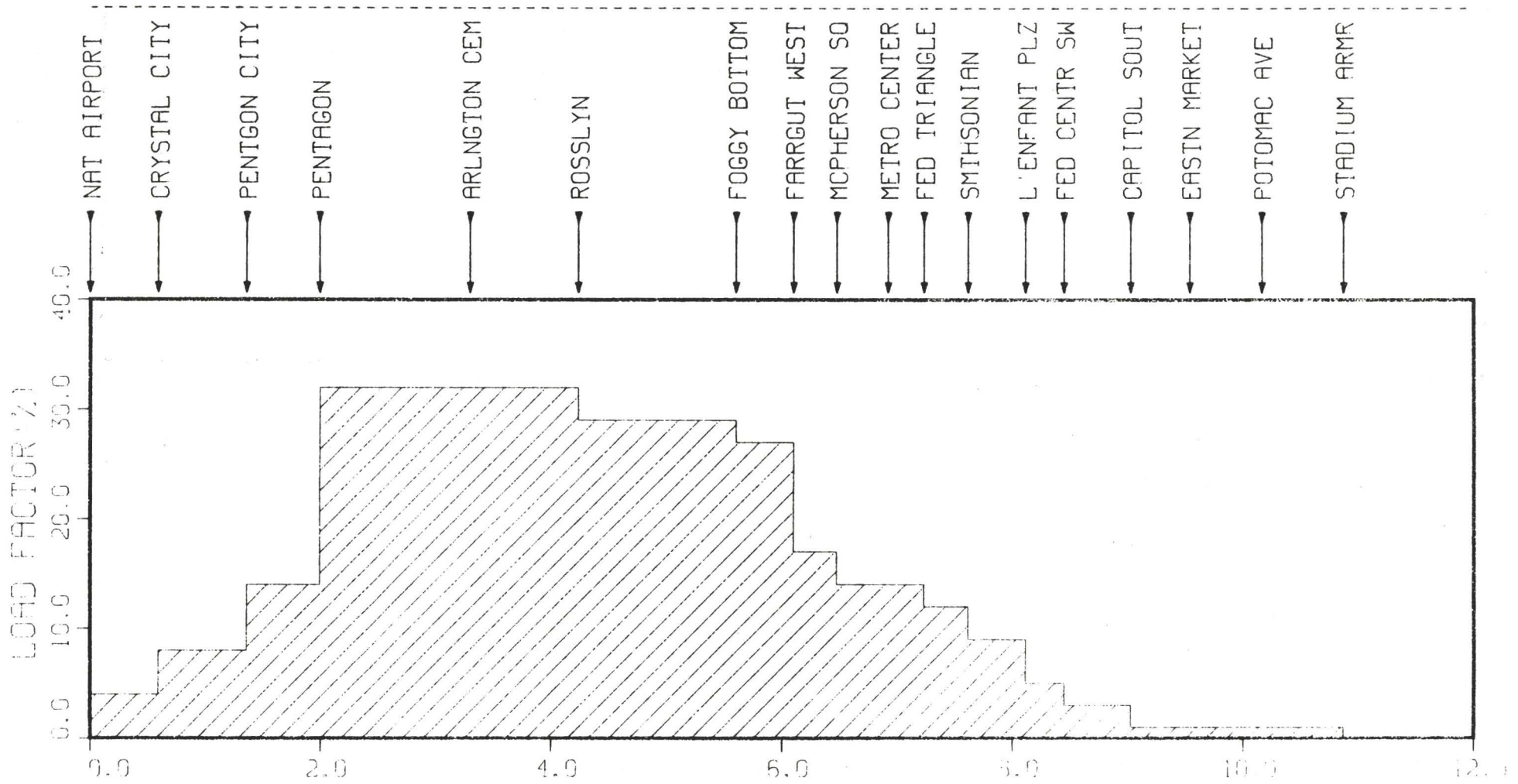
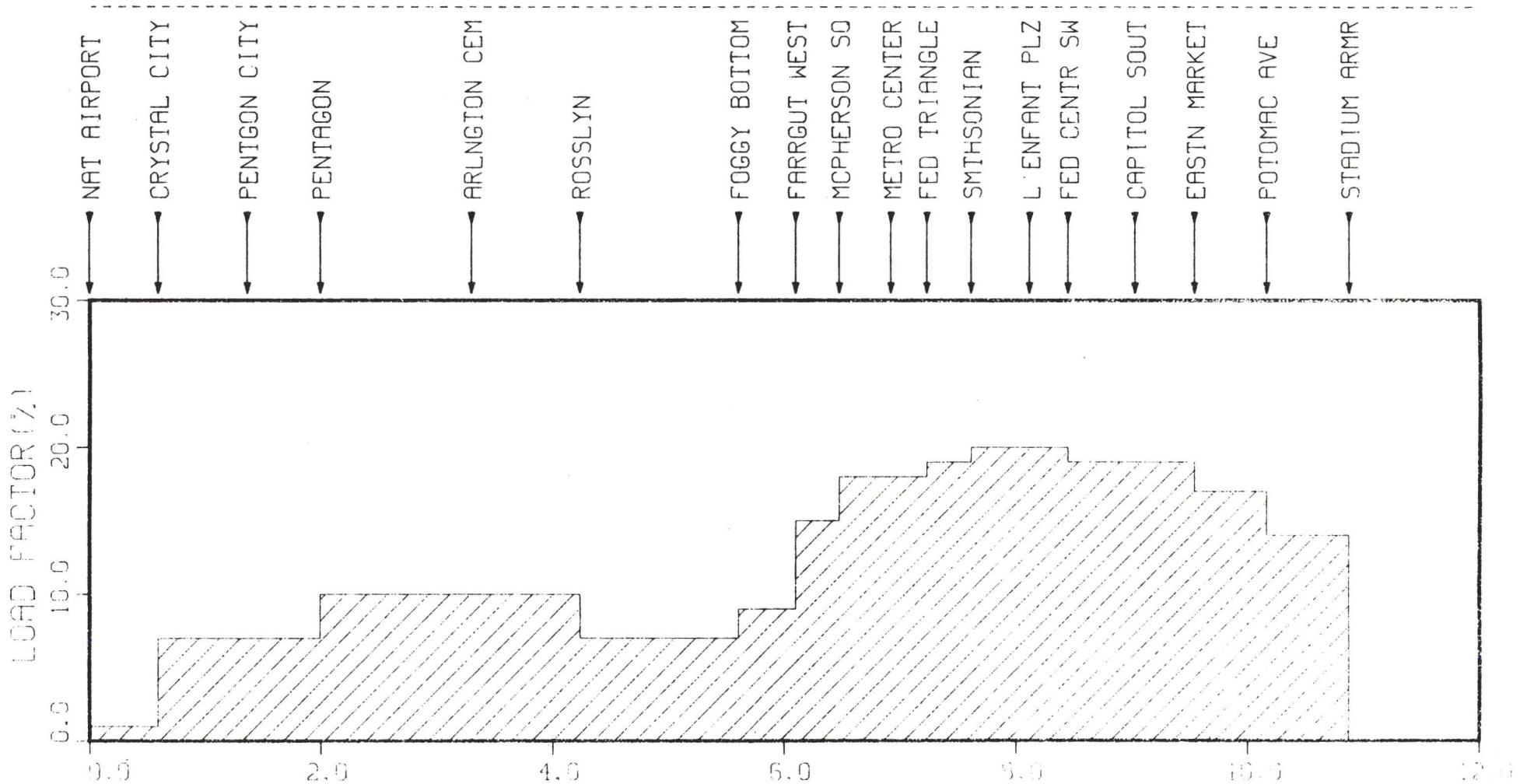


FIGURE 9.1-3

PASSENGER LOAD FACTOR

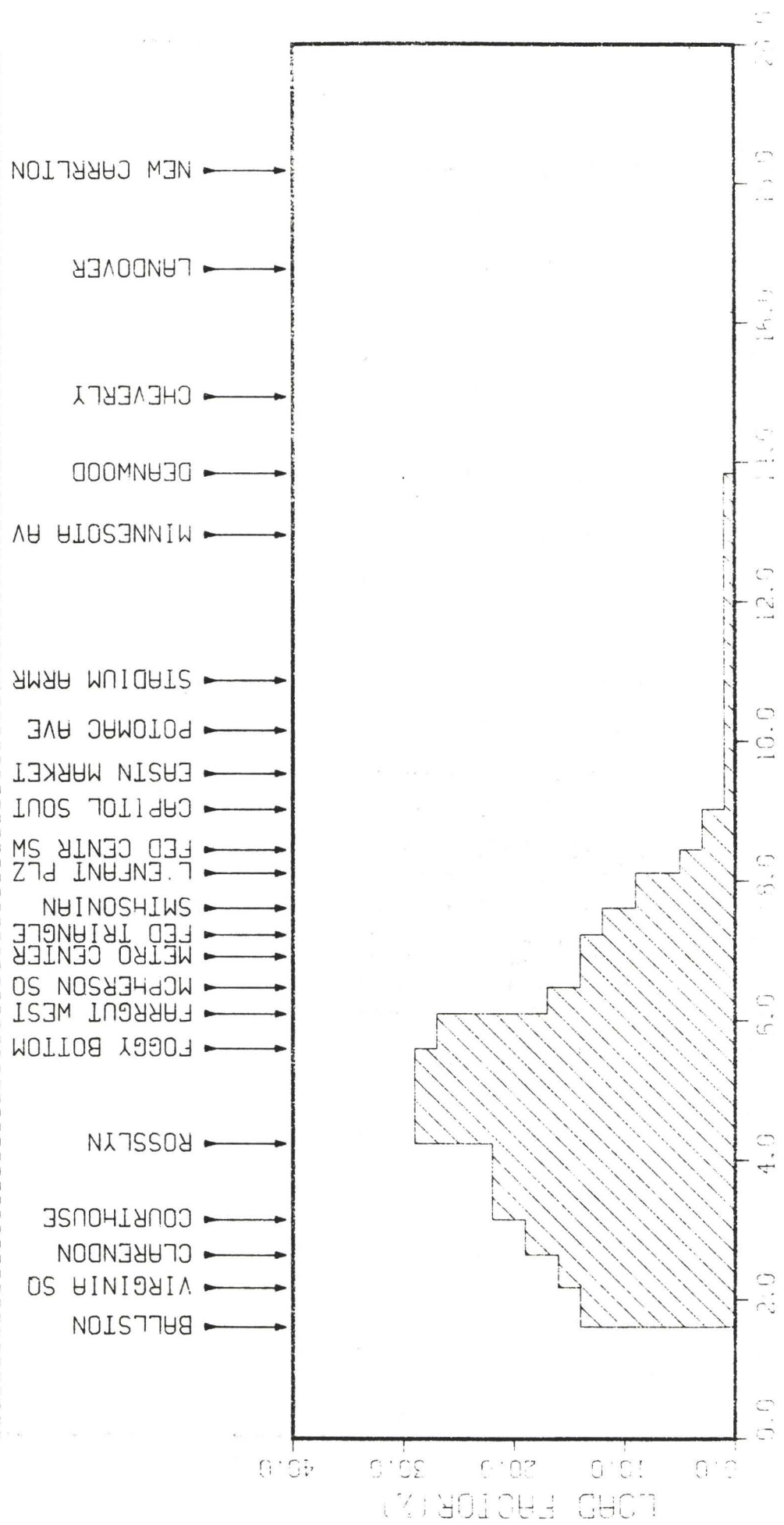
BLUE LINE (AM PEAK) STADIUM ARMORY TO NATIONAL AIRPORT



MILEPOST
FIGURE 9.1-4

PASSENGER LOAD FACTOR

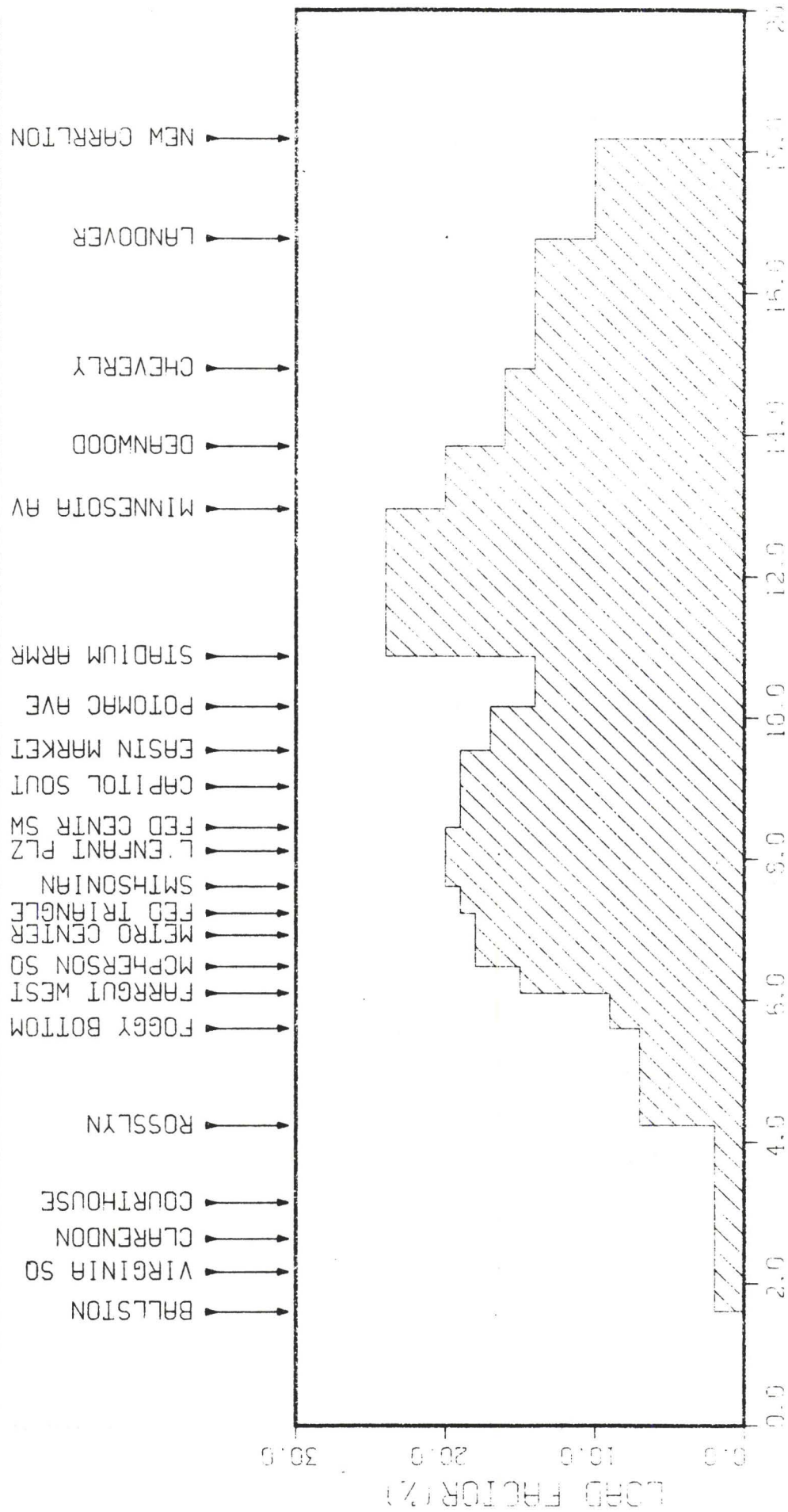
ORANGE LINE (AM PEAK) BALLSTON TO NEW CARROLLTON



MILEPOST
FIGURE 9.1-5

PASSENGER LOAD FACTOR

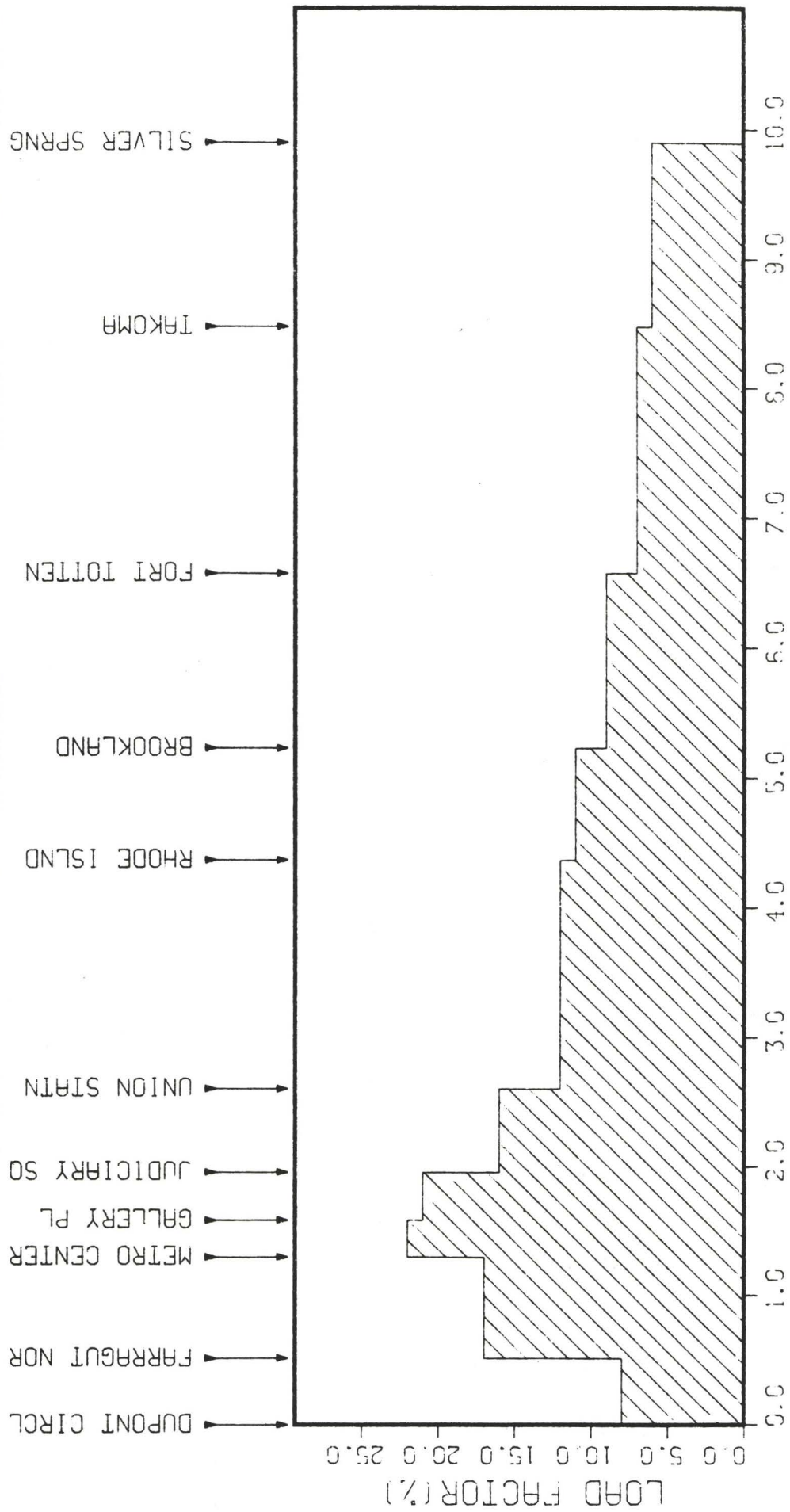
ORANGE LINE (AM PEAK) NEW CARROLLTON TO BALLSTON



MILEPOINT
FIGURE 9.1-6

PASSENGER LOAD FACTOR

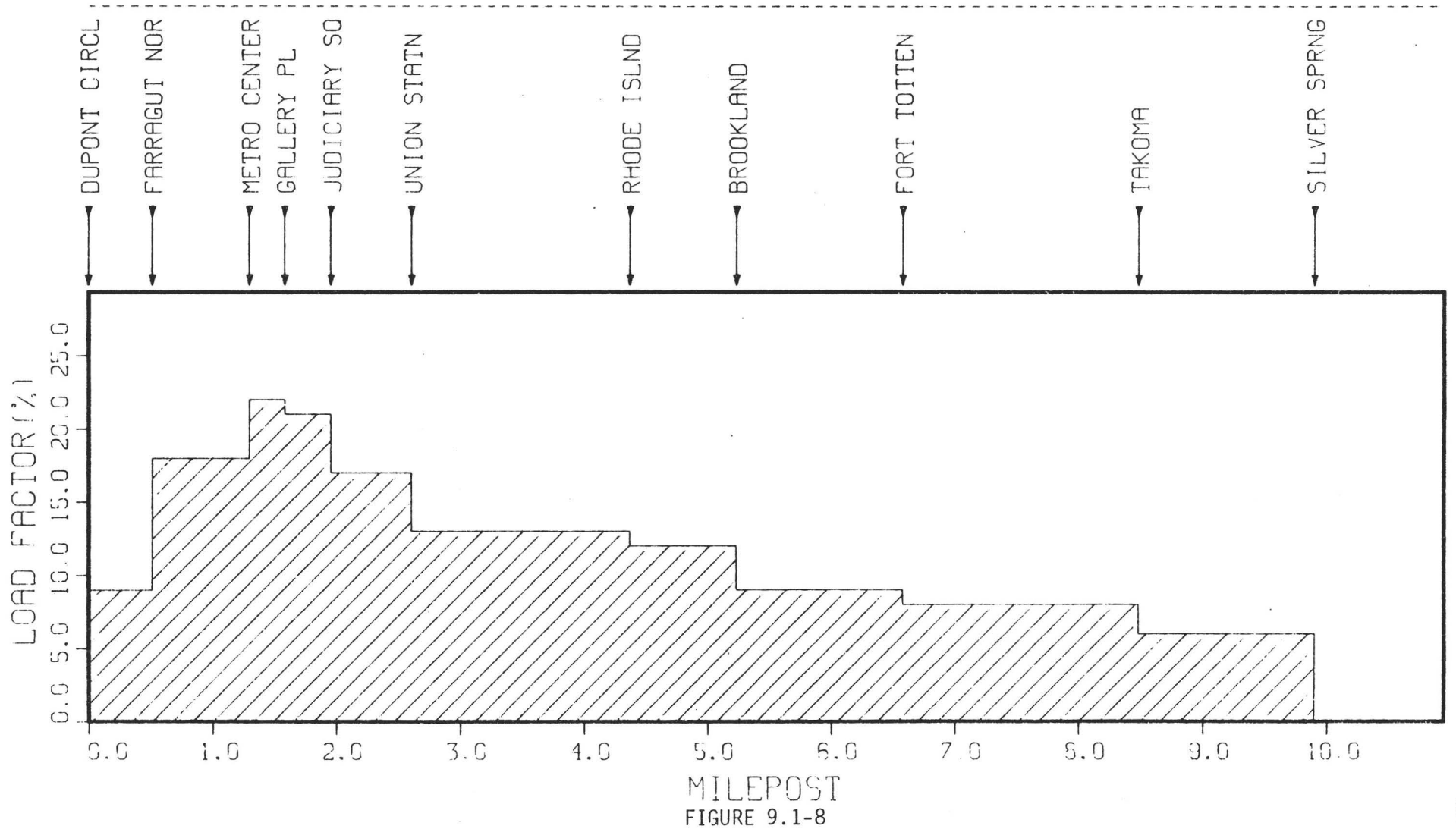
RED LINE (MIDDAY) DUPONT CIRCLE TO SILVER SPRING



MILEPOST
FIGURE 9.1-7

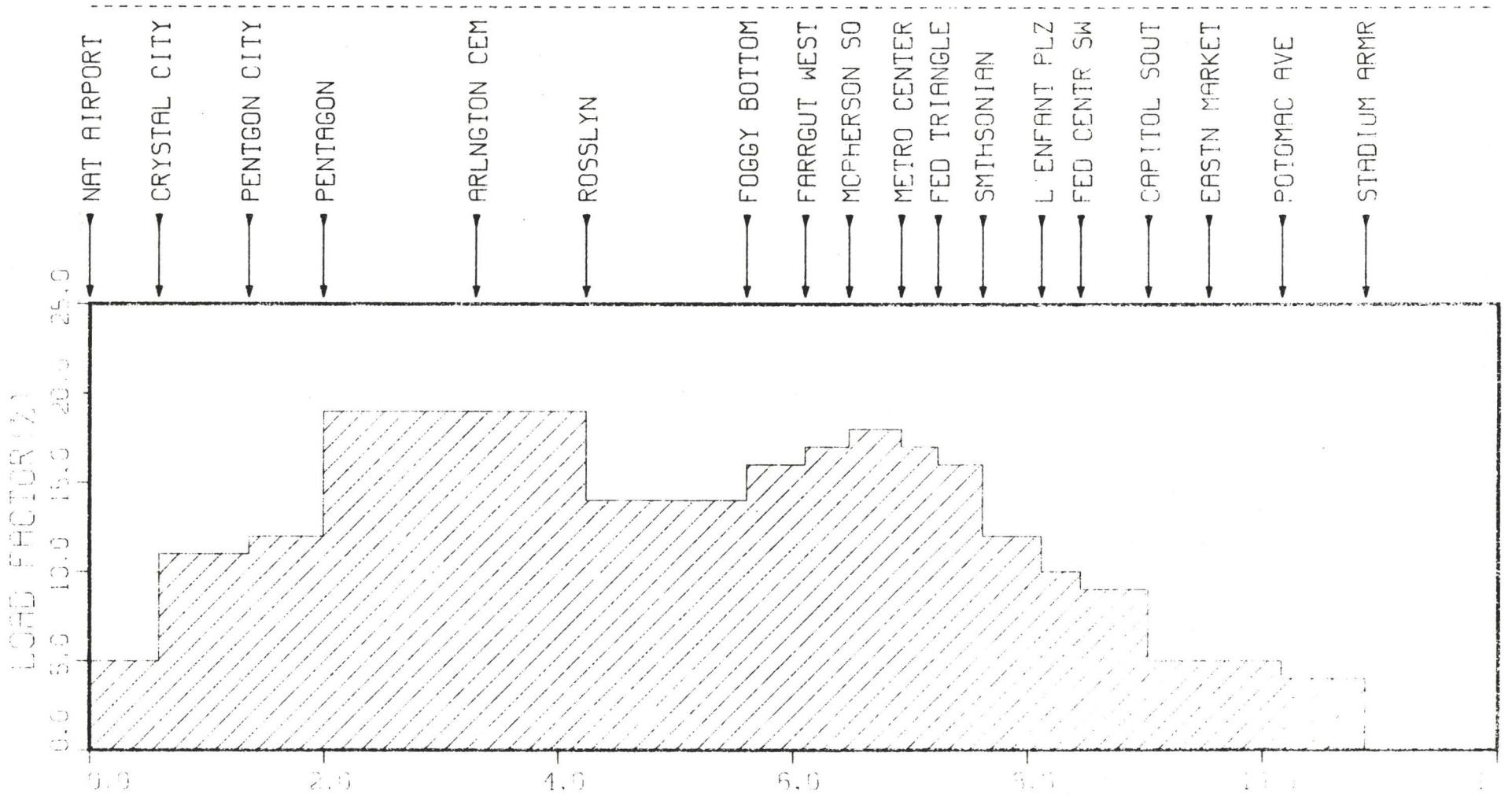
PASSENGER LOAD FACTOR

RED LINE (MIDDAY) SILVER SPRING TO DUPONT CIRCLE



PASSENGER LOAD FACTOR

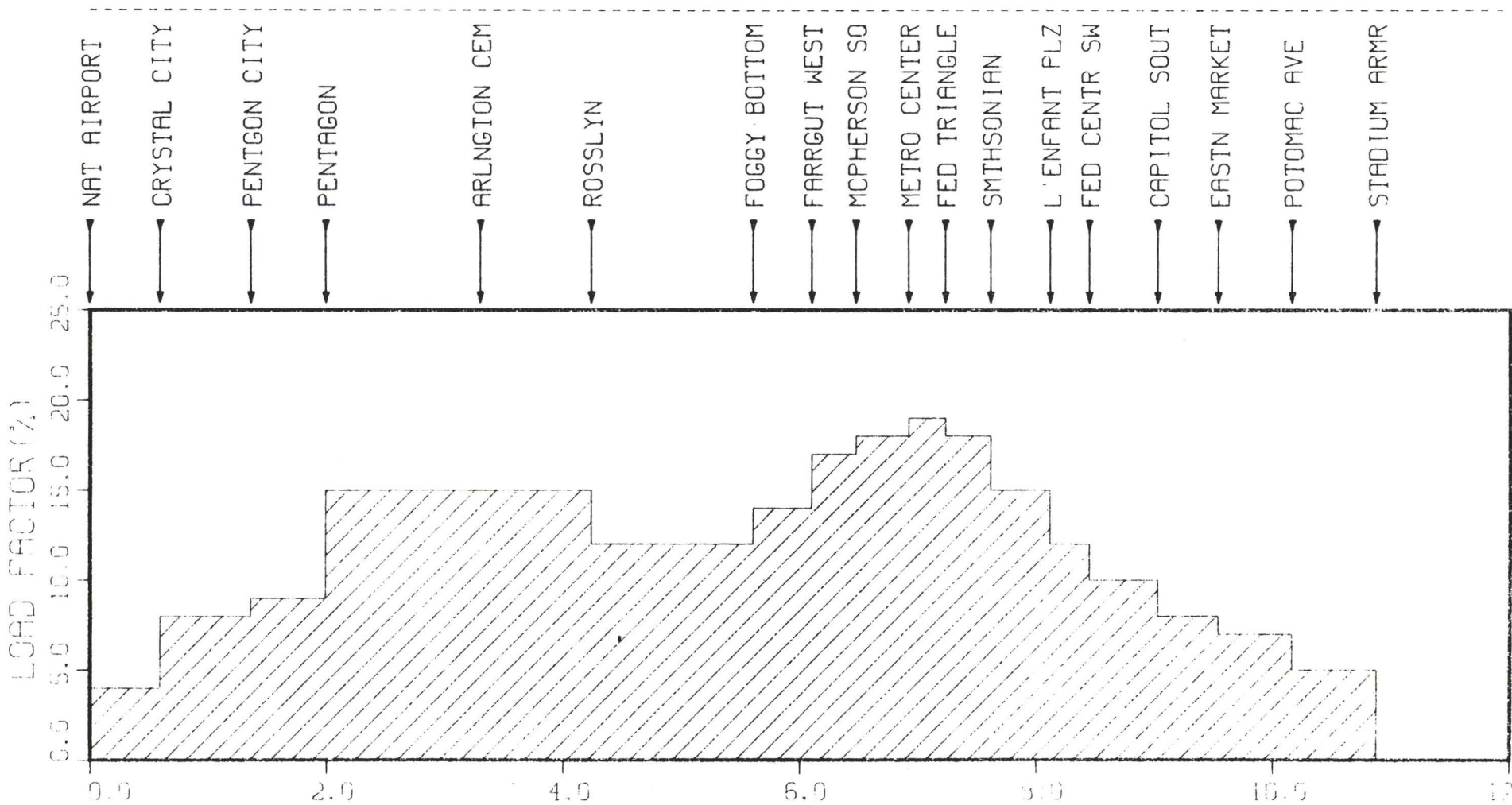
BLUE LINE (MIDDAY) NATIONAL AIRPORT TO STADIUM ARMORY



MILEAGE
FIGURE 9.1-9

PASSENGER LOAD FACTOR

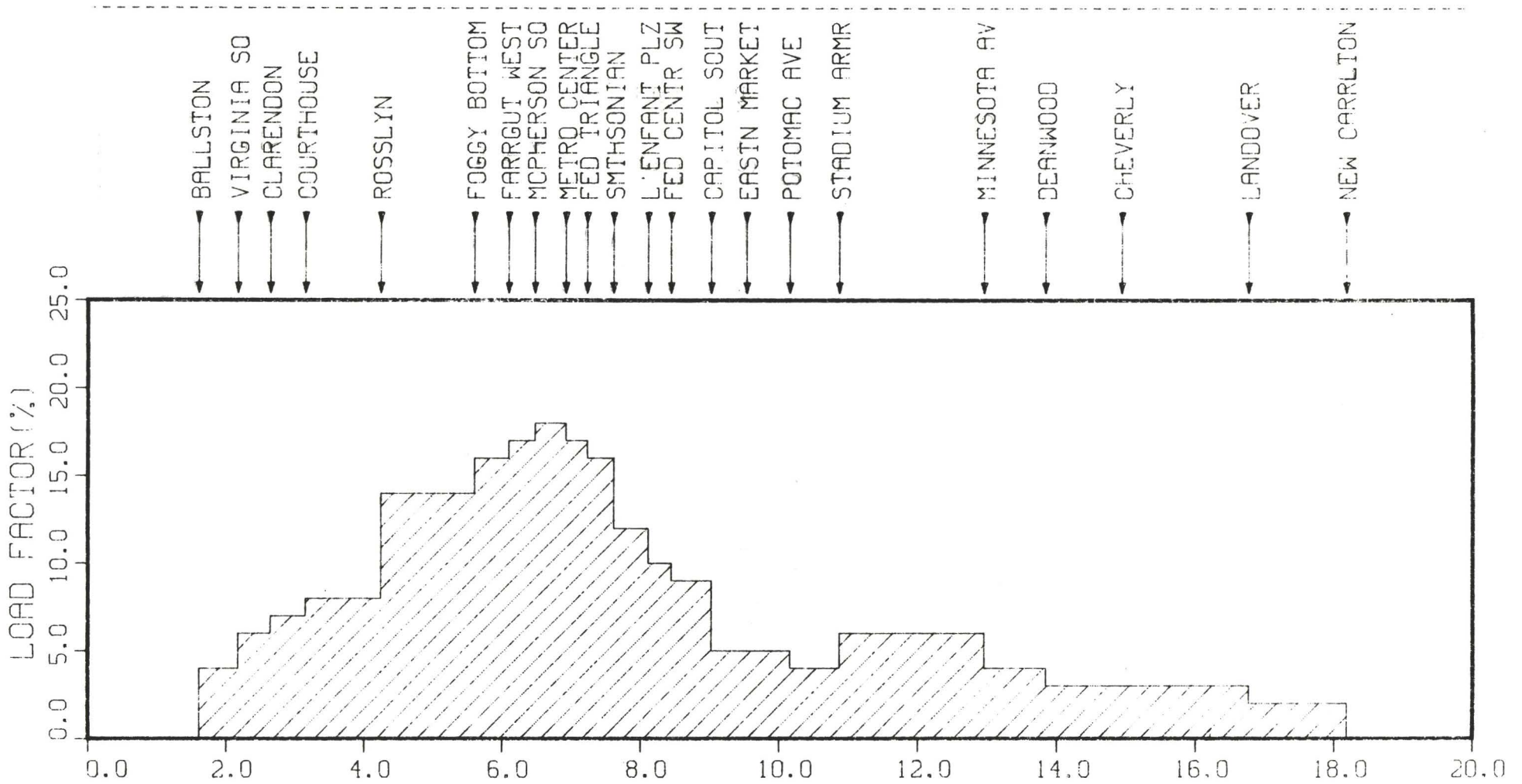
BLUE LINE (MIDDAY) STADIUM ARMORY TO NATIONAL AIRPORT



MILEPOST
FIGURE 9.1-10

PASSENGER LOAD FACTOR

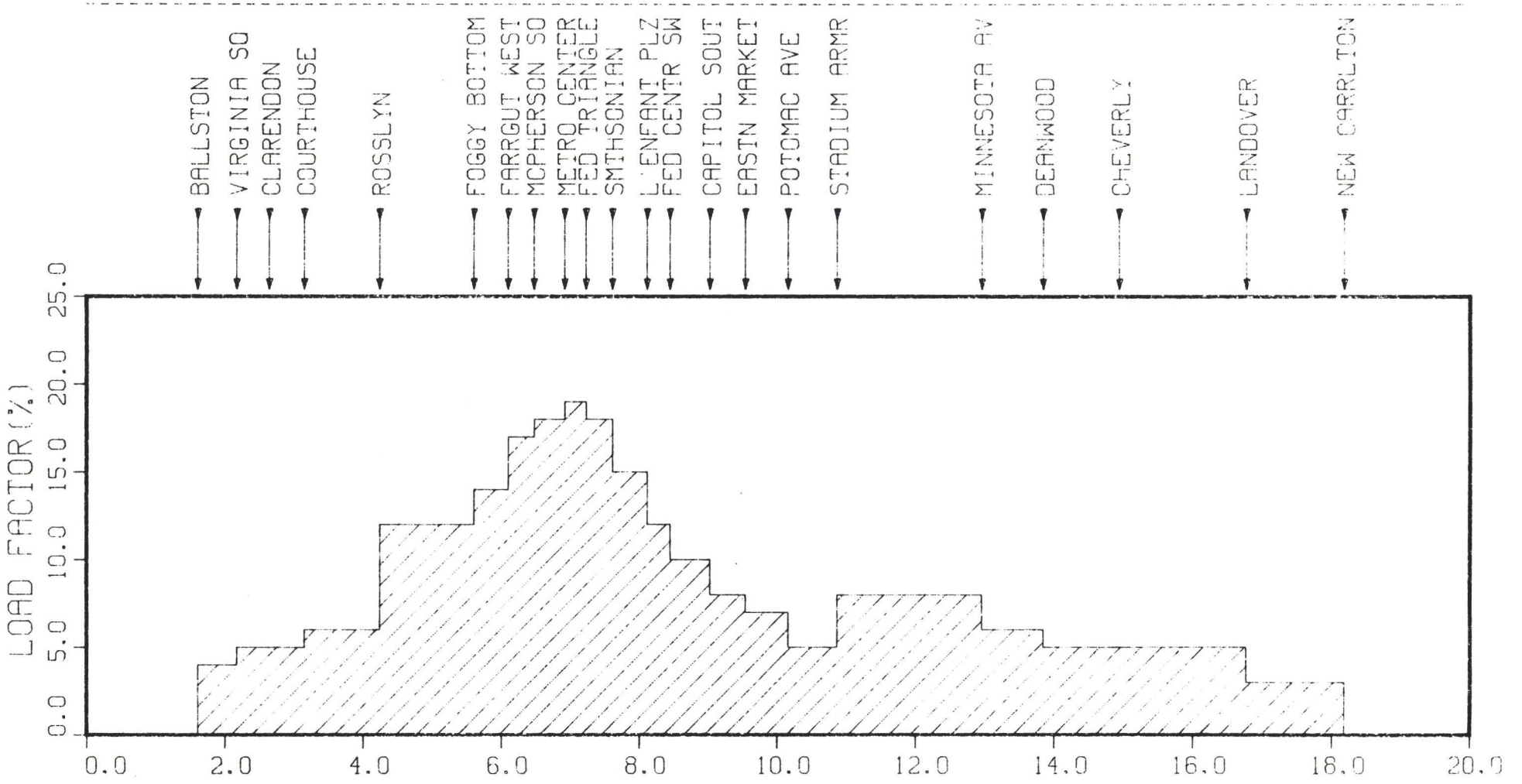
ORANGE LINE (MIDDAY) BALLSTON TO NEW CARROLLTON



MILEPOST
FIGURE 9.1-11

PASSENGER LOAD FACTOR

ORANGE LINE (MIDDAY) NEW CARROLLTON TO BALLSTON



MILEPOST
FIGURE 9.1-12

PASSENGER LOAD FACTOR

RED LINE (PM PEAK) DUPONT CIRCLE TO SILVER SPRING

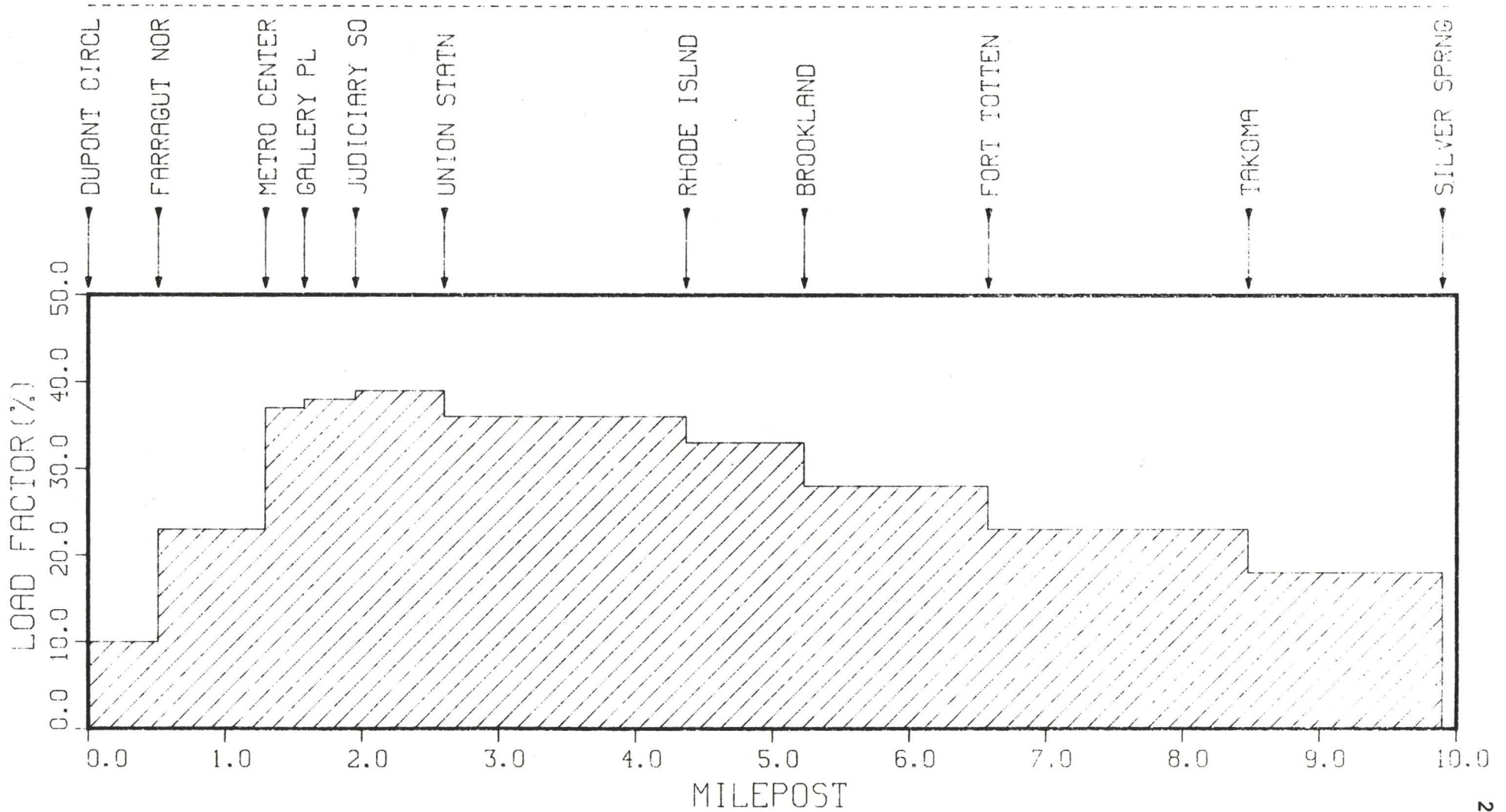
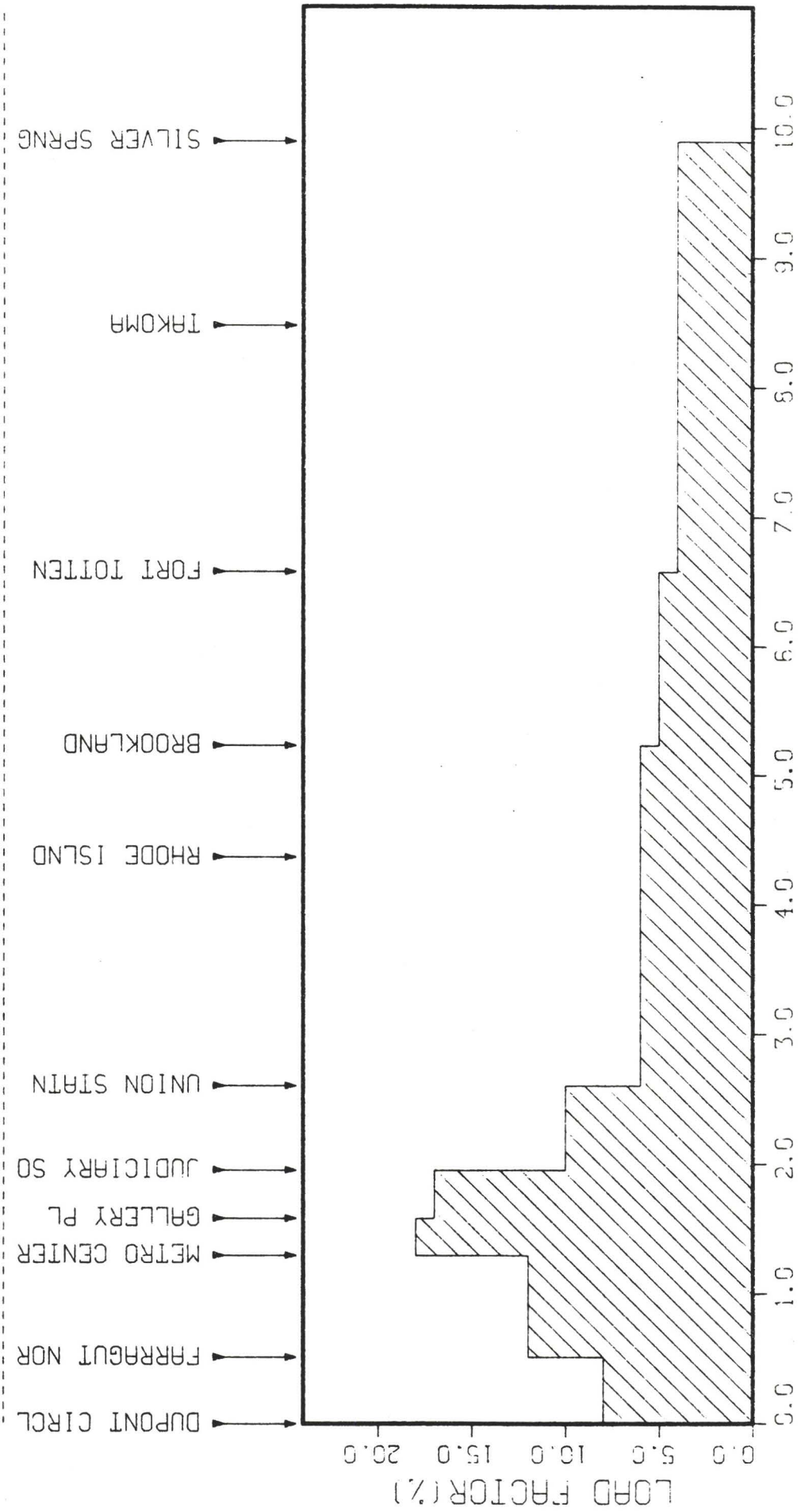


FIGURE 9.1-13

PASSENGER LOAD FACTOR

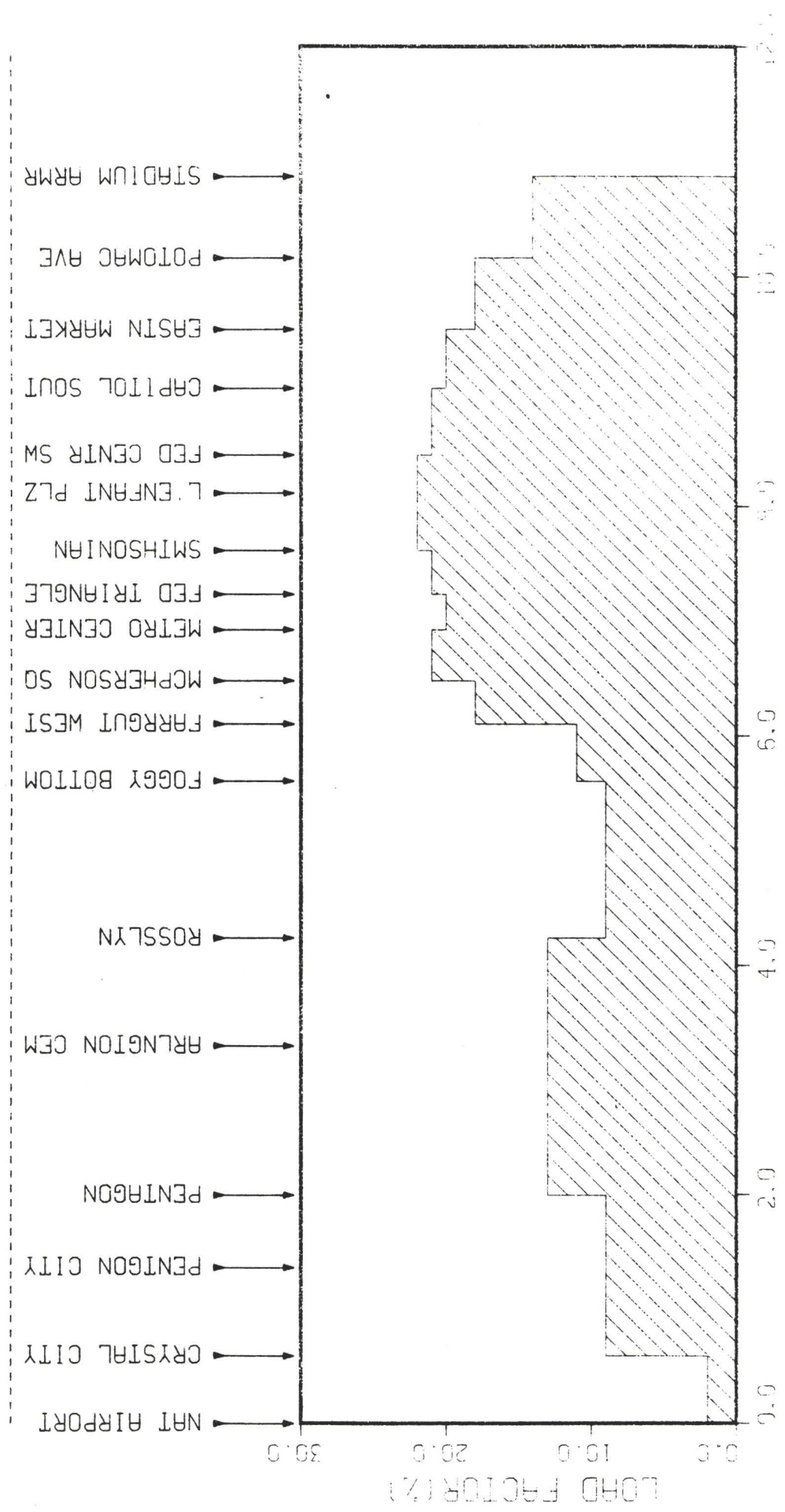
RED LINE (PM PEAK) SILVER SPRING TO DUPONT CIRCLE



MILEPOST
FIGURE 9.1-14

PASSENGER LOAD FACTOR

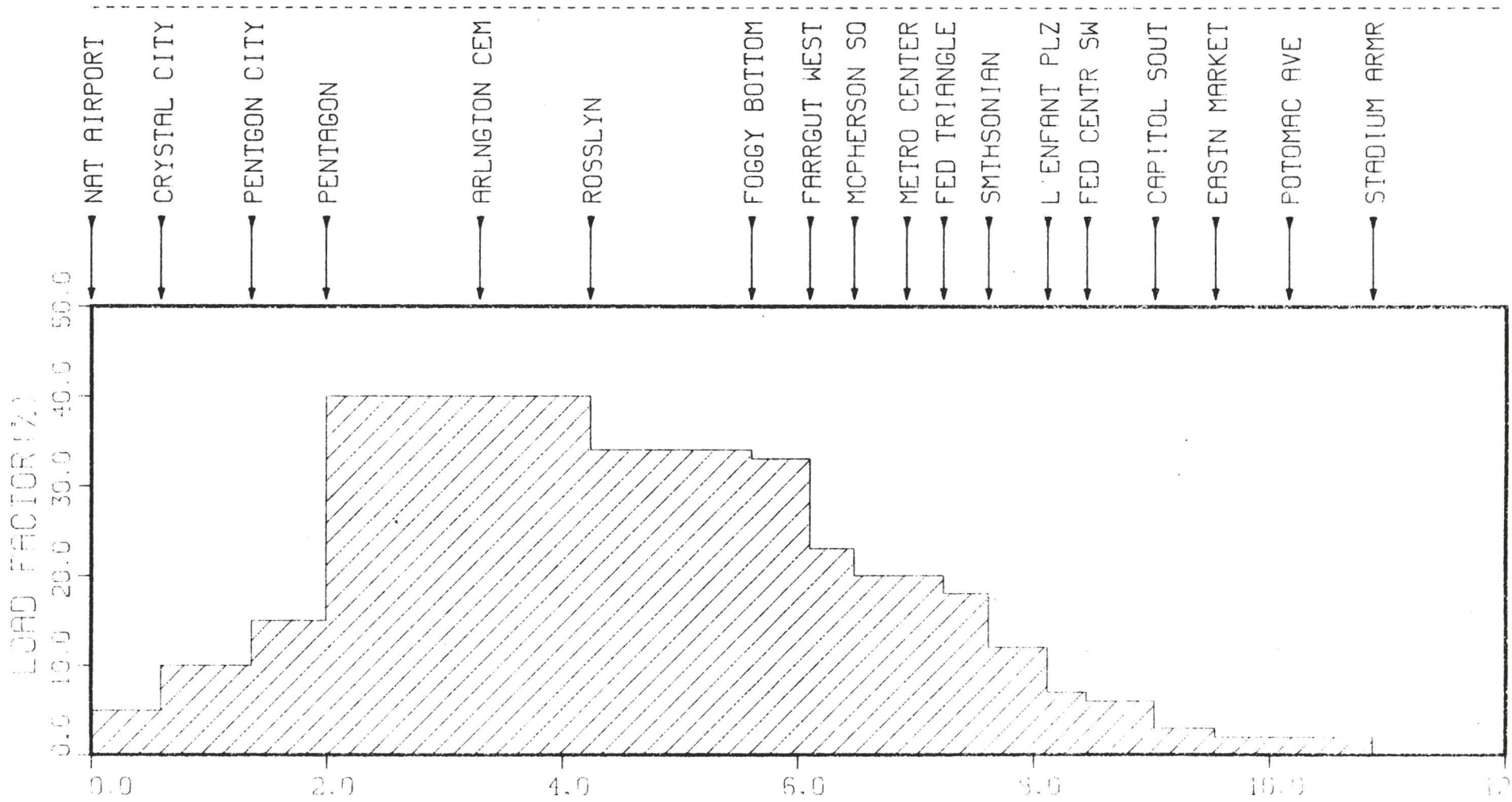
BLUE LINE (PM PEAK) NATIONAL AIRPORT TO STADIUM ARMORY



MILEPOST
FIGURE 9.1-15

PASSENGER LOAD FACTOR

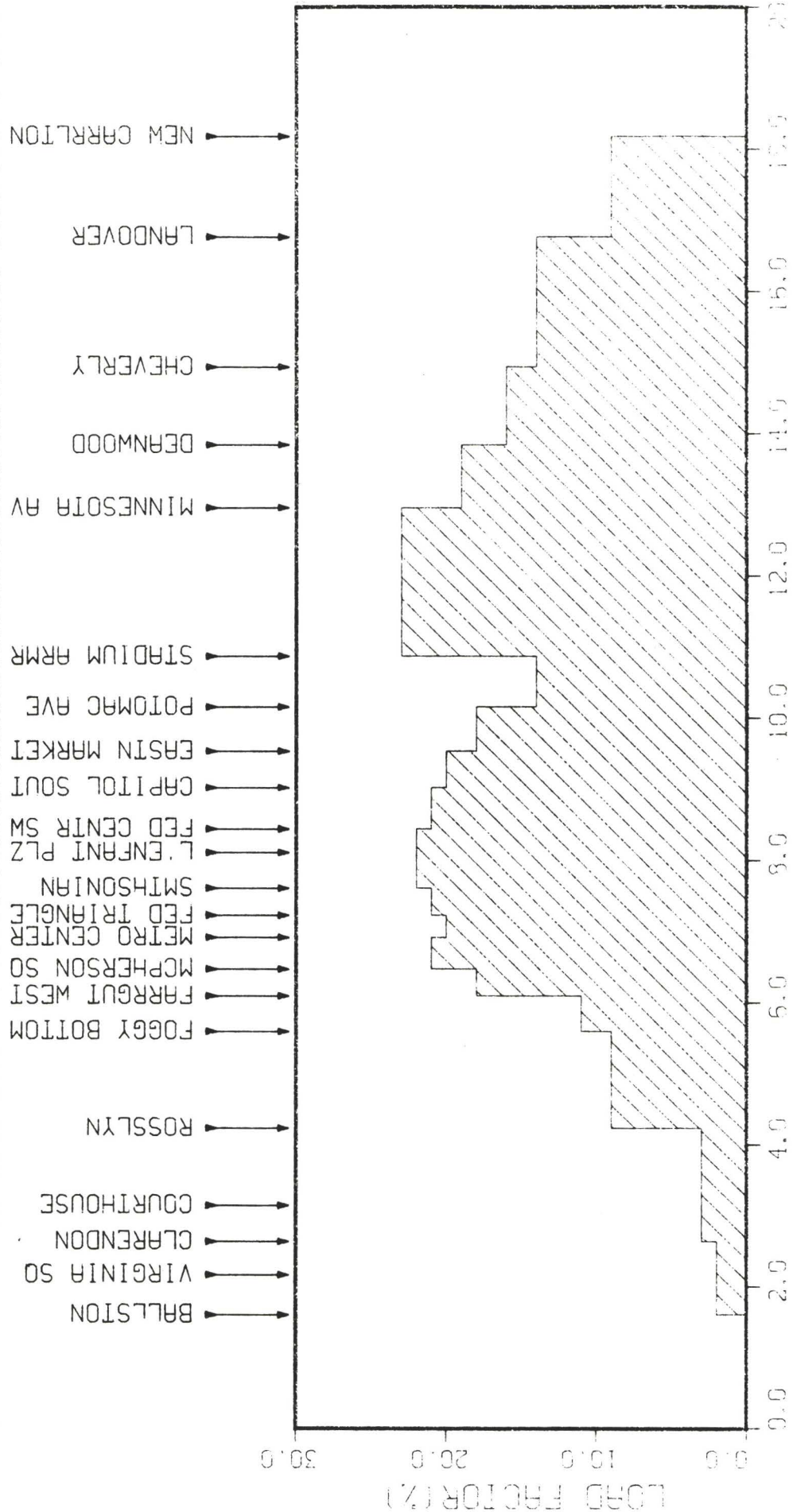
BLUE LINE (PM PEAK) STADIUM ARMORY TO NATIONAL AIRPORT



MILEPOST
FIGURE 9.1-16

PASSENGER LOAD FACTOR

ORANGE LINE (PM PEAK) BALLSTON TO NEW CARROLLTON



MILEPOST
FIGURE 9.1-17

PASSENGER LOAD FACTOR

ORANGE LINE (PM PEAK) NEW CARROLLTON TO BALLSTON

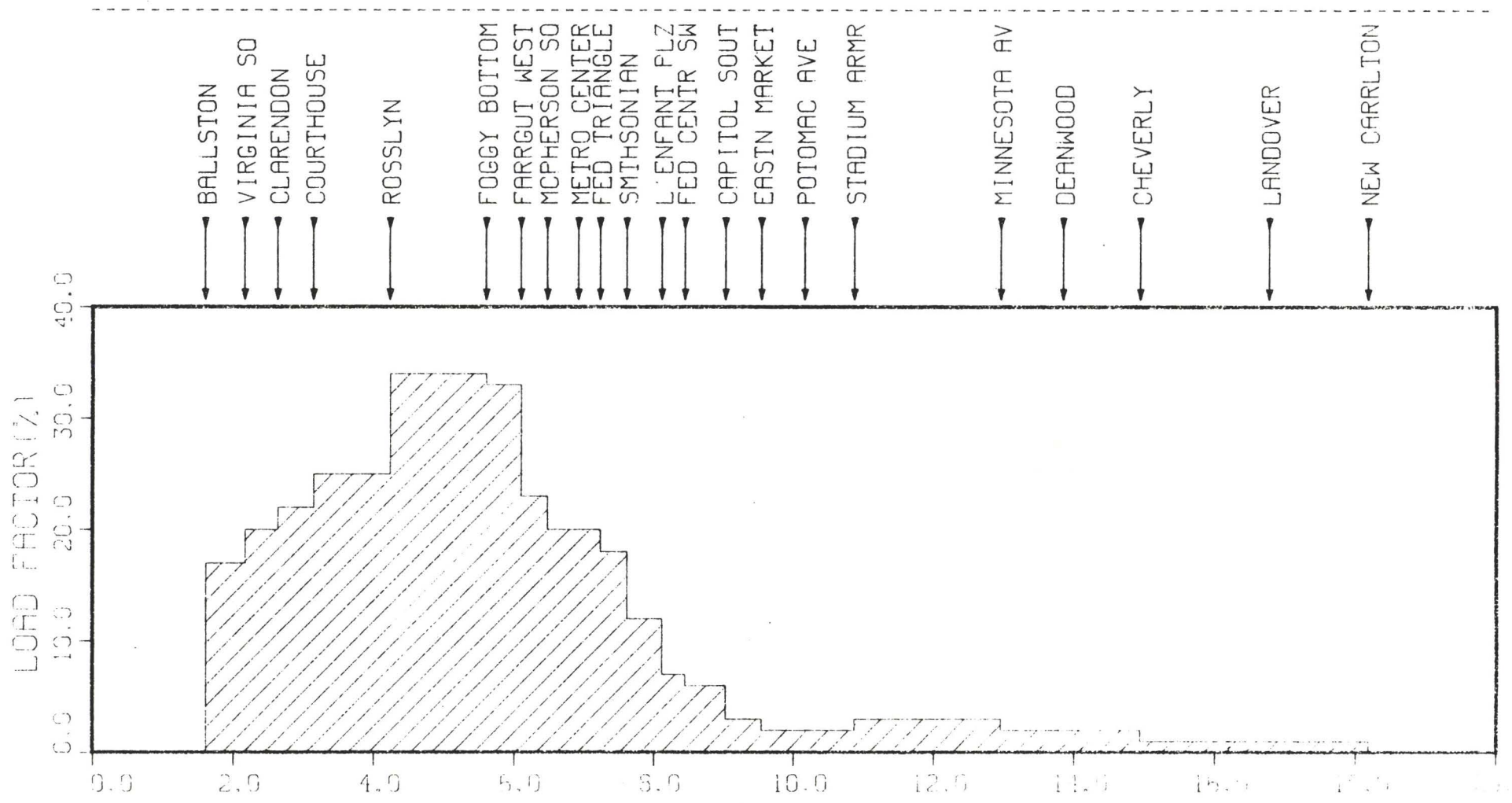
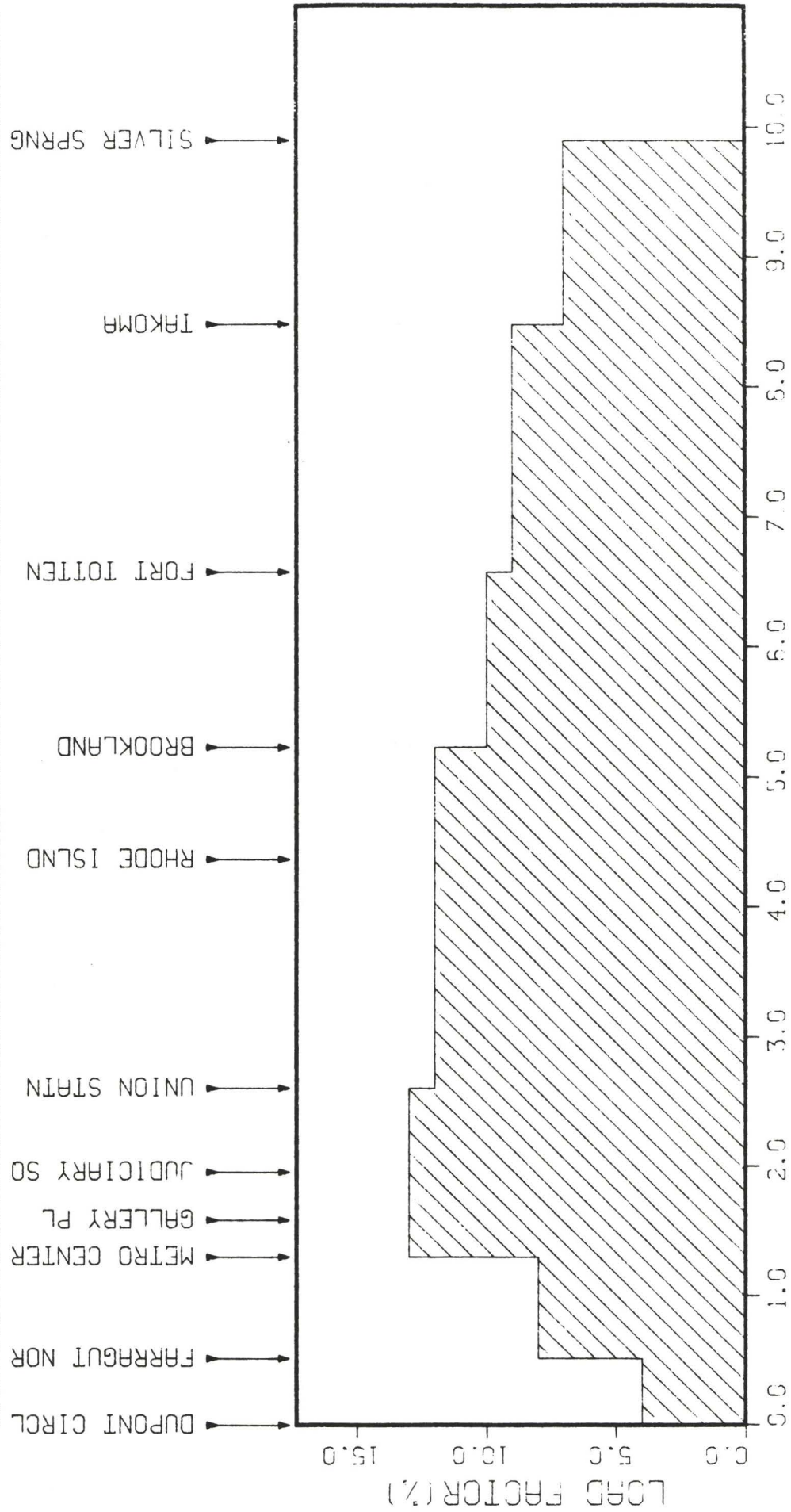


FIGURE 9.1-18

PASSENGER LOAD FACTOR

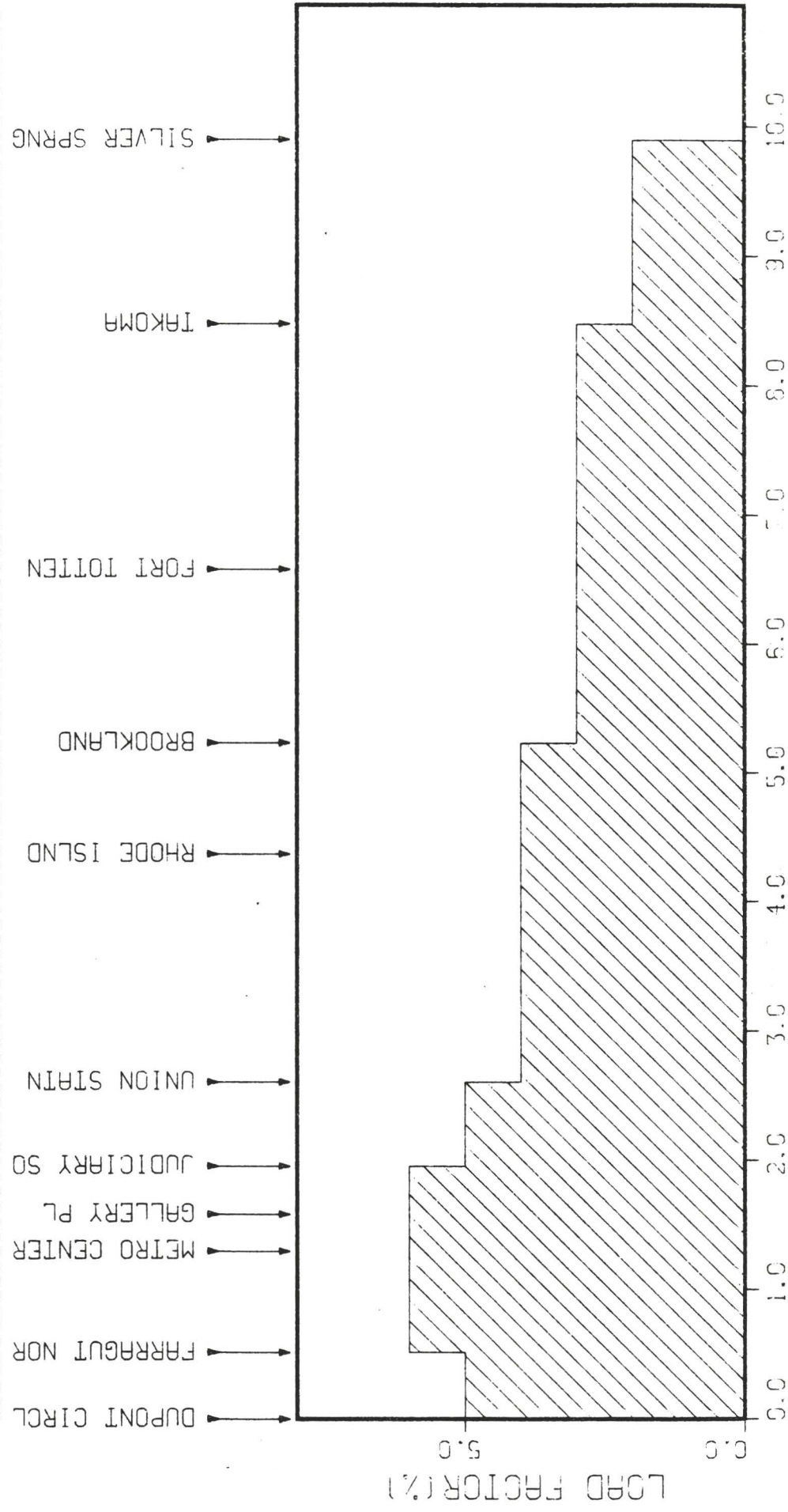
RED LINE (EVENING) DUPONT CIRCLE TO SILVER SPRING



MILEPOST
FIGURE 9.1-19

PASSENGER LOAD FACTOR

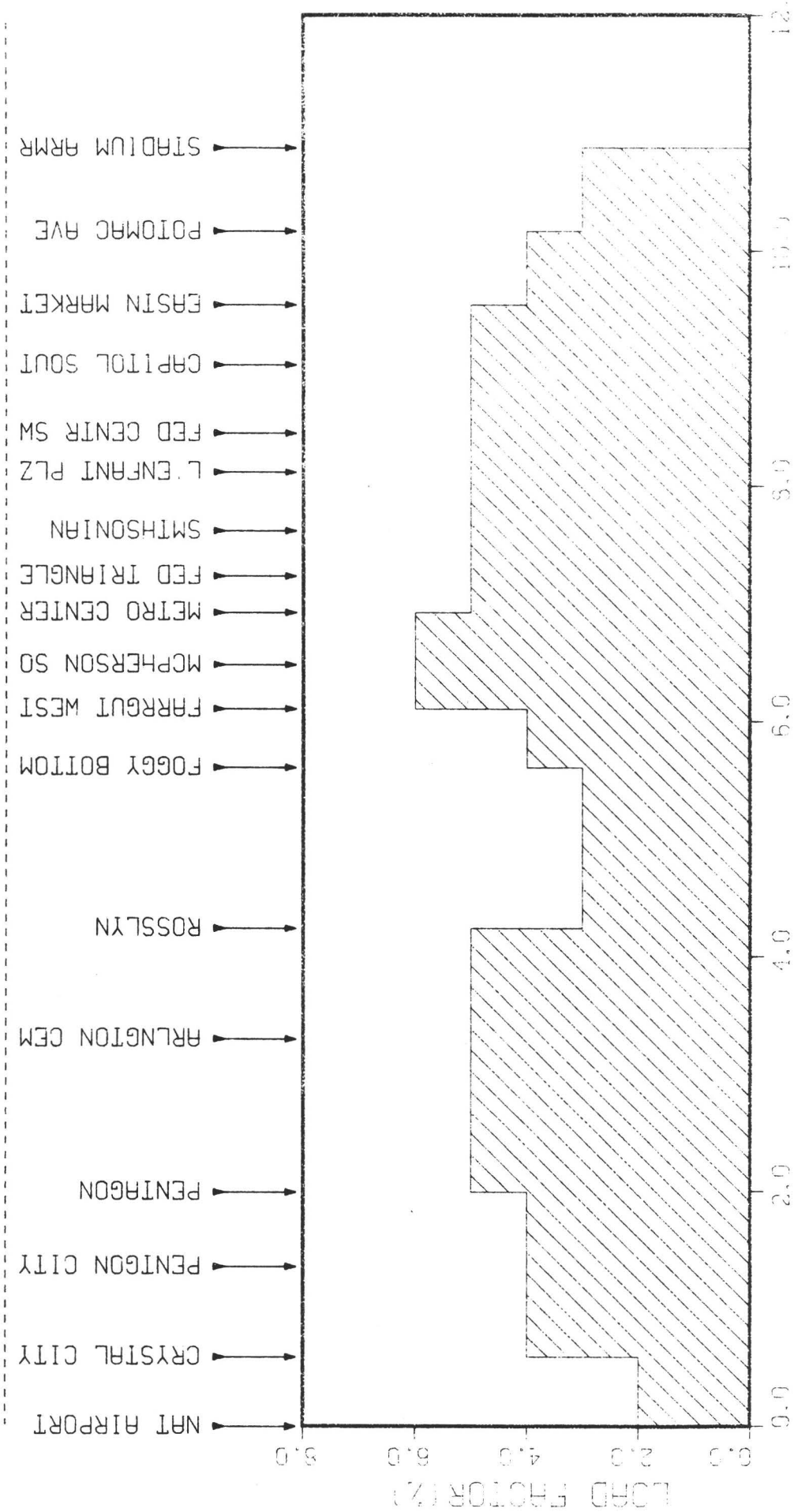
RED LINE (EVENING) SILVER SPRING TO DUPONT CIRCLE



MILEPOST
FIGURE 9.1-20

PASSENGER LOAD FACTOR

BLUE LINE (EVENING) NATIONAL AIRPORT TO STADIUM ARMORY



MILEPOST
FIGURE 9.1-21

PASSENGER LOAD FACTOR

BLUE LINE (EVENING) STADIUM ARMORY TO NATIONAL AIRPORT

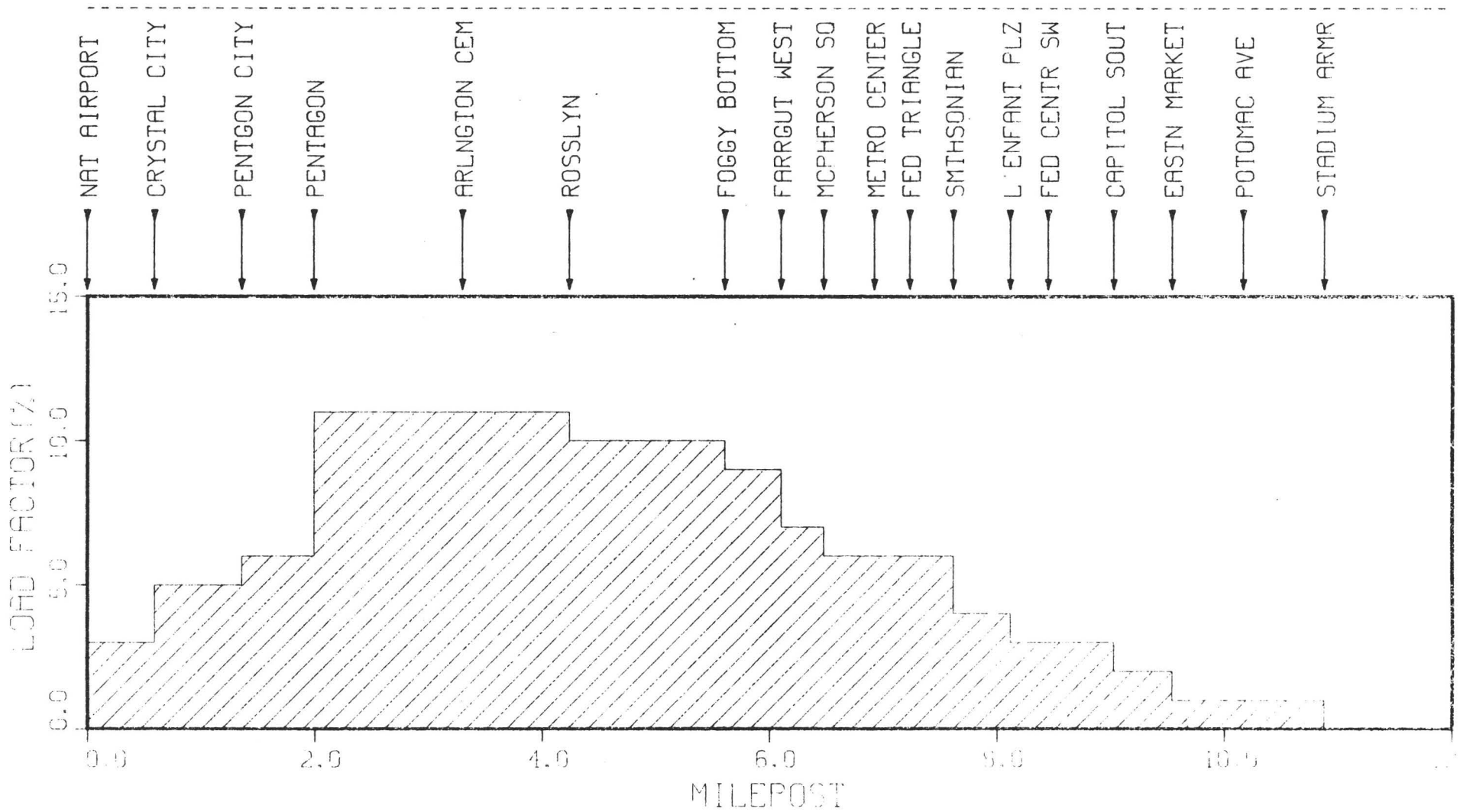


FIGURE 9.1-22

PASSENGER LOAD FACTOR

ORANGE LINE (EVENING) BALLSTON TO NEW CARROLLTON

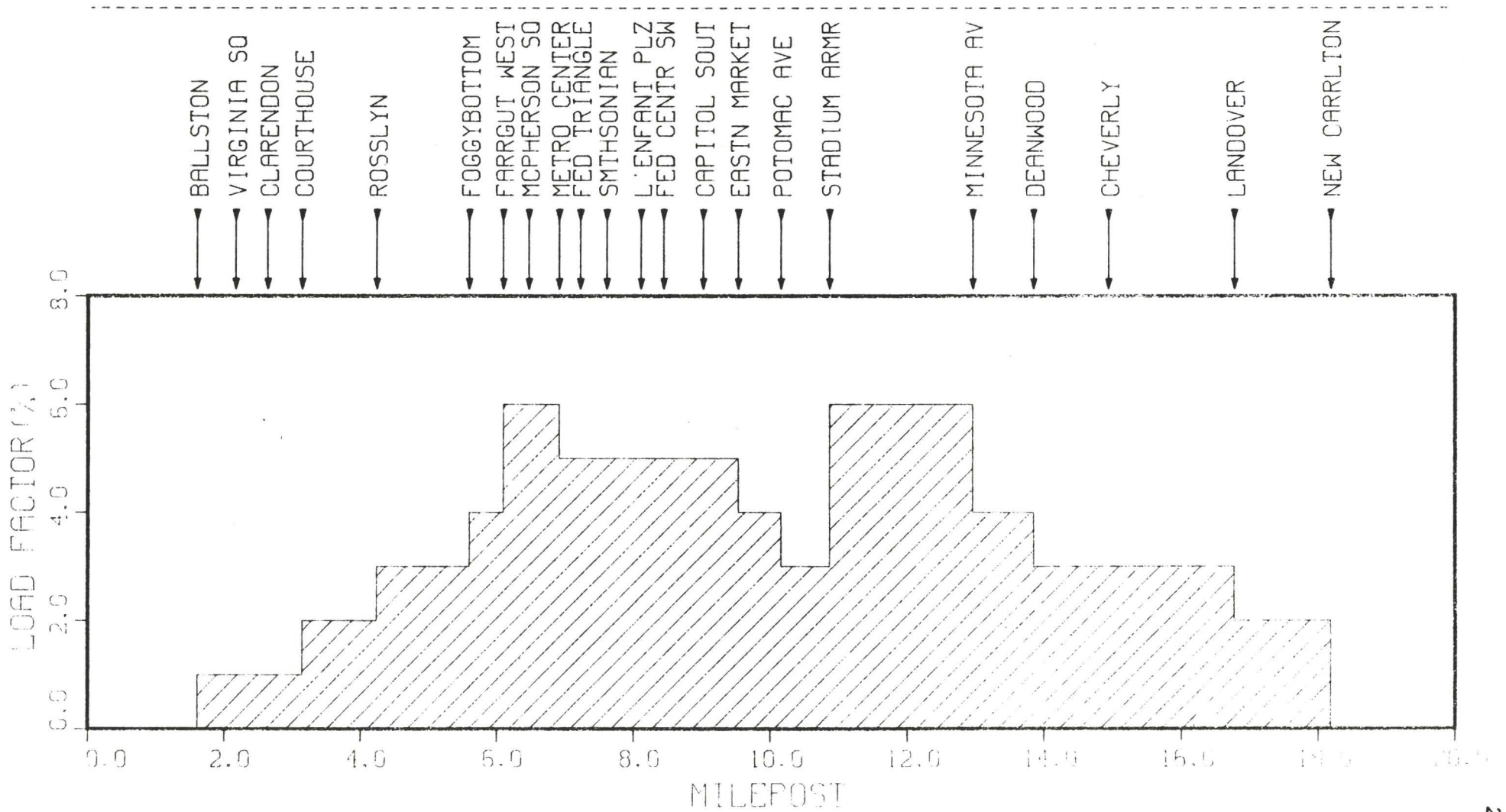


FIGURE 9.1-23

PASSENGER LOAD FACTOR

ORANGE LINE (EVENING) NEW CARROLLTON TO BALLSTON

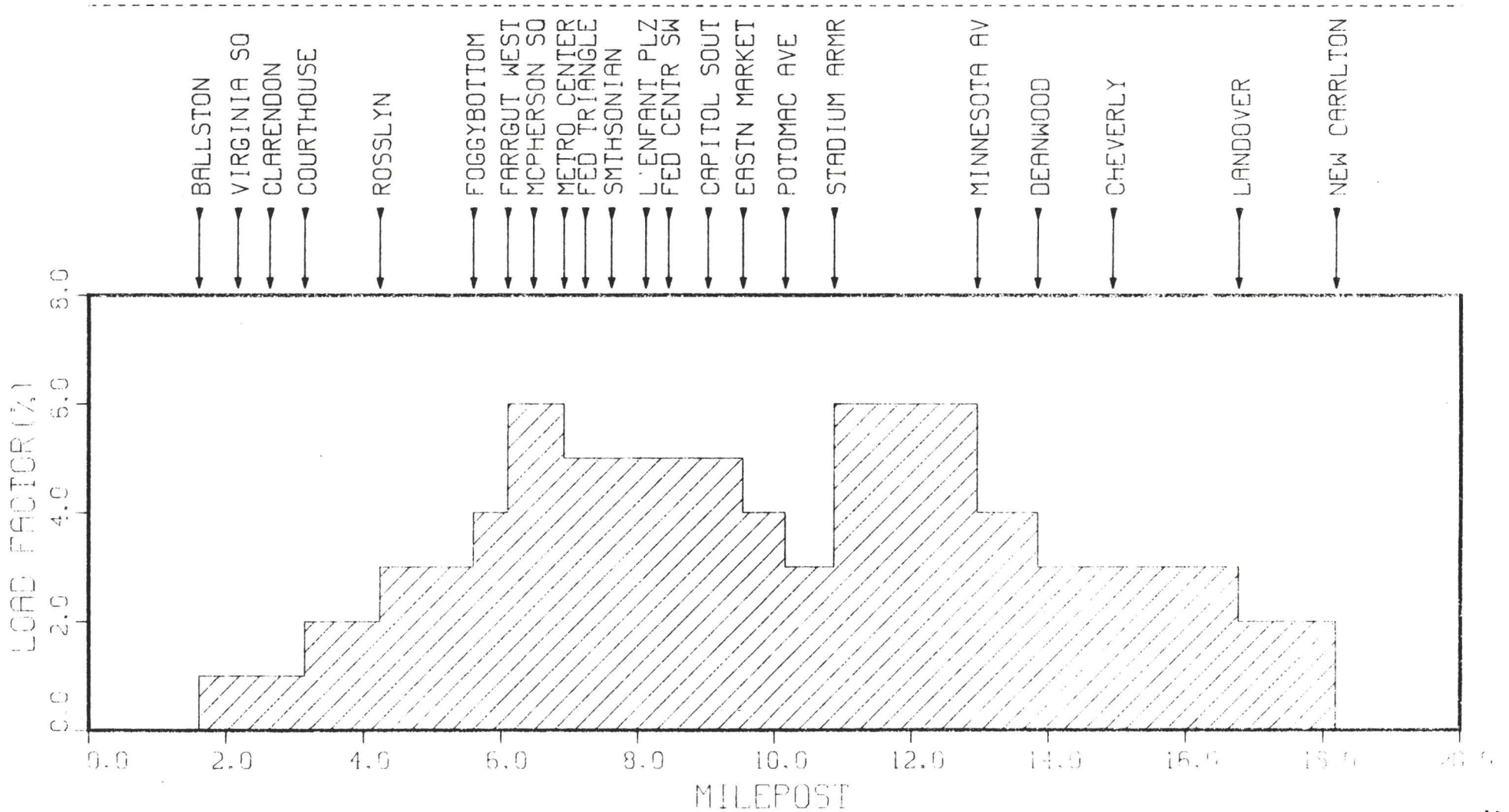


FIGURE 9.1-24

9.2. ESTIMATE OF METRORAIL TRAIN RESISTANCE

The purpose of this exercise is to determine the coefficients of a Davis type formula which fits the coefficients of an empirical formula obtained from coast down measurements of Metro trains.

The Davis type formula used for the TPS has the form:

$$T_R = 1.3 + (29n/W) + fv + \left(0.0024 + 0.00034(c-1)\right)/W \times Av^2$$

where:

A = train cross sectional area (sq. ft.),

C = number of cars/train,

f = flange coefficient,

n = number of axles per train,

T_R = train resistance (lbs/ton),

v = speed (MPH),

W = weight of train (tons).

Train resistance coast down tests were conducted at the U.S. Department of Transportation, Transportation Test Center in Pueblo, Colorado, sometime during the period September 1976 to August 1977.¹³ The results were fitted to the formula for the deceleration of the car of:

$$a = a_0 + a_1 v + a_2 v^2$$

where a_0 , a_1 and a_2 , upon regression analysis, were found to have the following values:

$$a_0 = .041,$$

$$a_1 = .00071,$$

$$a_2 = .000024.$$

¹³ WMATA Rapid Transit Vehicle Engineering Tests, K.J. Simmonds and F. H. Henderson, Final Report, May 1979, Report No. UMTA-MA-06-0025-79-14.

The consist upon which these data were based was a two-car train with each car weighing 96,000 lbs (AW2).

Since for coast down tests we can relate the deceleration to the train resistance by the relation $T_R = 100 \times a$, which includes the effect of train rotational weight, equating the like coefficients of the powers of v yields the relations:

$$a_0 = .041 = \left(1.3 + (29.8/96) \right) / 100 = .037$$

$$a_1 = .00071 = f / 100 \text{ or } f = .071$$

$$a_2 = .000024 = \left((.0024 + .0034)/(96 \times 100) \right) A \text{ or } A = 85.$$

Thus, if the flange coefficient, f , is taken as .071 and the effective cross sectional area as 85 ft², the train resistance of the cars can be approximated with a Davis type formula.

These numbers were used as the basis of the train resistance for the TPS.

9.3. SYSTEM FLOW CHART FOR THE ANALYSIS OF PEPCO TAPE

We received the tape, from PEPCO, which contains the data as given in the PEPCO account. The data had 15 minute pulses for each PEPCO meter, for the year 1980. The data was converted into Fortran readable form, using RU0A09.FOR. We created, using METCON.FOR, one file for each meter containing data from February 1, 1980, to October 15, 1980, for 15 minute intervals by combining meter readings for all the three phases. These files were then used for further statistical analysis, namely:

(i) Using COMMET.FOR, we combined different files to get five PEPCO meter files,

(ii) Using STAT.FOR, we found summary statistics which have provided mean, standard deviation for 15 minute intervals, one hour intervals, and for some specified periods of weekdays, Saturdays and Sundays.

(iii) Using (A), we created plots carrying summary statistics. This provided, through bar charts, information on mean, standard deviation and maximum of power demand.

(iv) Using (B), we did regression analyses of Power vs. Car-Miles/Hour and Degree-Days for revenue operating and non-operating periods.

(v) Using (C), we created energy consumption HISTOGRAMS on each time period for various meters.

The System's flow chart is shown in Figure 9.3-1.

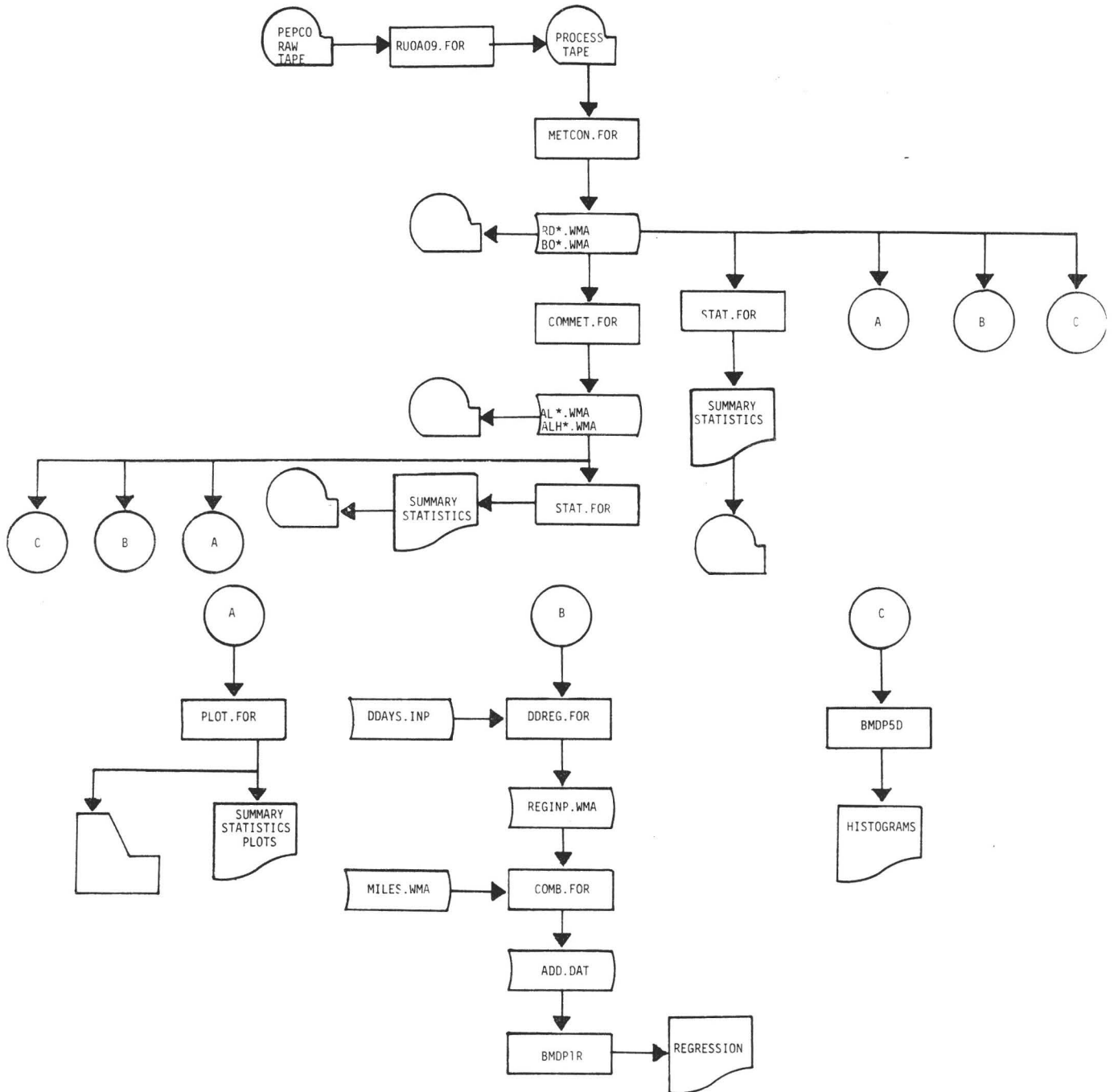


FIGURE 9.3-1 SYSTEM FLOW CHART

9.4. REGRESSION ANALYSIS DETAIL INCLUDING THEORY AND RESULTS

Regression Technique

A package BMDP1R, one of the computer packages of BMDP² series, is used that estimates a multiple linear regression relating a dependent variable (in our case POWER) to several independent variables (e.g., degree-day and car-mile/hour in our case).

Let y represent the value of the dependent variable, and x_1, x_2, \dots, x_n the values of the independent variables, then the proposed relationship is:

$$y = a + \beta_1 x_1 + \beta_2 x_2 + \dots + \beta_n x_n + \text{error}$$

The package estimates by least squares the coefficients $a, \beta_1, \beta_2, \dots, \beta_n$, that is, it finds a, b_1, b_2, \dots, b_n (estimates of $a, \beta_1, \beta_2, \dots, \beta_n$) that minimize

$$\sum (y - a - b_1 x_1 - b_2 x_2 - \dots - b_n x_n)^2$$

Here the summation is over the cases used in the analysis. The predicted value \hat{y} for each case is:

$$\hat{y} = a + b_1 x_1 + b_2 x_2 + \dots + b_n x_n$$

The residual for each case is $(y - \hat{y})$. Thus, a multiple linear regression equation can be written as:

$$E(y_j - \bar{y}) = \beta_1 (x_{1j} - \bar{x}_1) + \dots + \beta_n (x_{nj} - \bar{x}_n) \\ j = 1, 2, \dots, N \text{ (number of cases)}$$

In matrix notation:

$$E(\underline{Y}^1) = \underline{X}^1 \underline{B}^1$$

where:

$\underline{Y} = (y_j - \bar{y})$ is a row vector of length N ,

$\underline{X} = (x_{ij} - \bar{x}_i)$ is a $n \times N$ matrix,

$\underline{B} = (\beta_i)$ is a row vector of length n ,

\underline{X}^1 and \underline{Y}^1 are the transpose matrices of \underline{X} and \underline{Y} , respectively.

²BMDP (Biomedical Computer Programs) has been developed by Health Sciences Computing Facility of the University of California, Los Angeles.

The least square estimate \underline{b} of $\underline{\beta}$ is $b^1 = (\underline{X}\underline{X}^1)^{-1}\underline{X}\underline{Y}^1$.

Coefficients and Measures of Fit

The statistical descriptive package provides as output:

a. Regression Coefficients:

A summary table for the regression is printed. It contains:

the coefficients b_i ,

the standard error of the coefficient $S(b_i)$,

the standardized regression coefficient $b_i S_x / S_y$.

t test for the coefficient $b_i / S(b_i)$ and the associated two tailed value.

b. Univariate Statistics:

Univariate statistics computed for each variable are:

mean,

standard deviation,

coefficient of variation,

minimum observed value,

maximum observed value.

c. Correlation Matrix:

A correlation matrix of the dependent and independent variables is calculated which is used to test the multicollinearity among variables (an assumption for regression).

The correlation of the dependent variable with the predicted value R is estimated as well as the multiple:

$$R^2: \left(1 - \frac{\sum(y_j - \hat{y}_j)^2}{\sum(y_j - \bar{y})^2} \right)$$

standard error of estimate:

$$\sqrt{\frac{\sum(y_j - \hat{y}_j)^2}{N - n}}$$

d. Analysis of Variance:

The analysis of variance table for the regression is printed. It contains:

the regression sum of squares: $\sum(\hat{y}_j - \bar{y})^2$

the residual sum of squares: $\sum(y_j - \hat{y}_j)^2$

an F ratio that tests the significance of the regression.

e. Tests for Significance:

The package provides three different tests for significance, namely,

R^2 ,

t test,

F test.

The R^2 tests the significance of overall regression equation (value of R^2 greater than 0.5 is supposed to be significant for cases having two independent variables).

The t test is used to test the significance of individual coefficients b_i . The summary table contains the t test for the coefficient $b_i/S(b_i)$ and the corresponding two tail probability value. Again, a t value with 95% confidence level (approximately 2.2 for most of the cases) has been chosen to test the significance of independent variable in the given regression equation.

An F value at 95% level of confidence (3.1 for two independent variable cases, and 3.9 for one independent variable case) is used to ascertain the significance.

Sources of Error (Notes)

1. In order to ensure that erroneous stray points do not affect the equation estimation process, all observations (considering car-miles only) having large error (beyond 3 times the standard deviation) are excluded from the analysis. (Ref.: Chauvert, Spherical and Practical Astronomy, vol. II, p. 558, Lippincott, Philadelphia)

2. Differences in intercepts and spurious correlation:

Let us take a hypothetical situation as given in Figure 1. It is assumed here that the background power (intercept in power = $a + b_1 \text{ car-miles/hr} + b_2 \text{ D-Day}$) is different for the three types of groups of days - Sundays, Saturdays, and weekdays. In case of meters with low background (e.g., MC3, MD4, and MD7), if we run a regression, we may end up getting a least square fit of Type 4, resulting in a negative background. (In actual regression fits, the slope of the regression will be closer to that of (1), (2) and (3) because:

1. weekdays are more, and therefore entail higher weightage;
2. in the figure we have used extreme differences only to show a degenerate case.)

Given (4), there is no way of computing (1), (2) and (3). While the slope differences are likely to be nominal, the intercept differences in some cases turned out to be fairly large. This is due to the fact that car-miles account for a fairly large component in traction meters. For all meters considered together, the differences even out and intercepts become more accurate (due to law of large numbers). Due to this spurious fitting during operating hours, it is preferable to ignore intercepts for the individual meters in the regressions and concentrate on the intercept from all the meters combined only. Again, since during non revenue time, car-mile effect is very small as compared to revenue time, the intercept in the linear regression equation of Power vs. Degree-Day will be the true background.

The following tables in subsections 9.4.1 through 9.4.8 contain the regression results for the Red and Blue/Orange traction meters as well as support meters during revenue operating periods and non-operating periods.

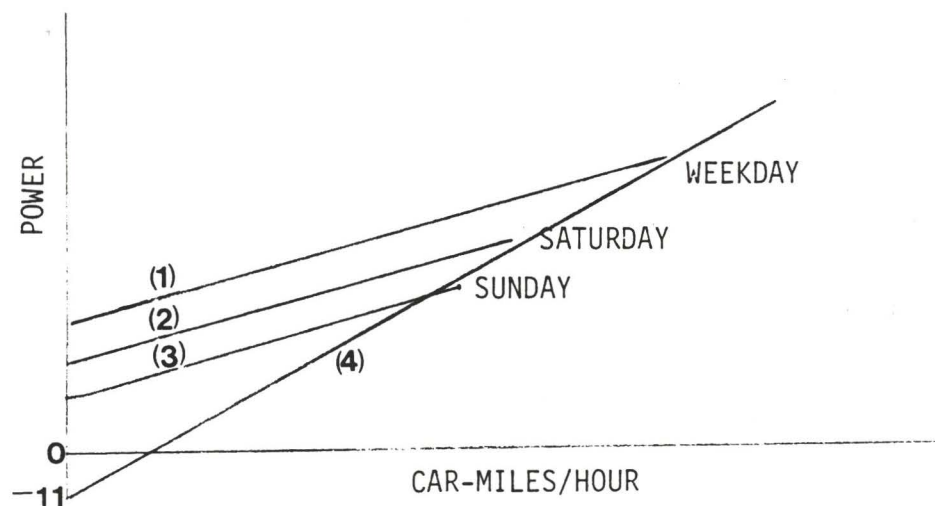


FIGURE 1: A DEGENERATE CASE OF BLUE/ORANGE MC3 METER

9.4.1.

**REGRESSION RESULTS FOR RED LINE TRACTION METERS
DURING REVENUE OPERATING PERIODS**

METER NAME - MAT

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	160.79216	74.90992	0.46588	32.00000	289.00000
3 MILES	774.75294	143.46292	0.18517	342.00000	991.00000
4 POWER	926.46273	156.15845	0.16855	330.00000	1159.00000
5 DDAYS	-3.67843	17.06283	-4.63862	-52.00000	21.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1.0000			
MILES	0.2545	1.0000		
POWER	0.0592	0.7914	1.0000	
DDAYS	0.7452	0.3314	0.1578	1.0000

MULTIPLE R	0.7991	STD. ERROR OF EST.	94.2560
MULTIPLE R-SQUARE	0.6385		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	3955092.500	2	1977546.300	222.592	0.00000
RESIDUAL	2238815.100	252	8884.187		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	222.32089					
MILES	0.90376	0.044	0.830	20.684	0.000	0.890164
DDAYS	-1.07441	0.367	-0.117	-2.925	0.004	0.890164

METER NAME - MB1

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	160.79216	74.90992	0.46588	32.00000	289.00000
3 MILES	774.75294	143.46292	0.18517	342.00000	991.00000
4 POWER	819.10982	158.23036	0.19317	362.00000	1166.00000
5 DDAYS	-3.67843	17.06283	-4.63862	-52.00000	21.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1.0000			
MILES	0.2545	1.0000		
POWER	0.1098	0.8034	1.0000	
DDAYS	0.7452	0.3314	0.2702	1.0000

MULTIPLE R	0.8034	STD. ERROR OF EST.	94.5930
MULTIPLE R-SQUARE	0.6454		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	4104503.800	2	2052251.900	229.357	0.00000
RESIDUAL	2254855.100	252	8947.838		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	134.03091					
MILES	3 0.88445	0.044	0.802	20.170	0.000	0.890164
DDAYS	5 0.04110	0.369	0.004	0.111	0.911	0.890164

METER NAME - MB2

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	160.51969	74.93110	0.46680	32.00000	289.00000
3 MILES	776.06693	142.20037	0.18323	342.00000	991.00000
4 POWER	628.66537	120.52216	0.19171	196.00000	852.00000
5 DDAYS	-3.70866	17.08968	-4.60804	-52.00000	21.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	1.0000		
MILES	3	0.2663	1.0000	
POWER	4	0.0785	0.7773	1.0000
DDAYS	5	0.7451	0.3393	0.1740

MULTIPLE R	0.7831	STD. ERROR OF EST.	75.2482
MULTIPLE R-SQUARE	0.6133		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	2253739.700	2	1126869.900	199.013	0.00000
RESIDUAL	1421234.600	251	5662.289		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE	
INTERCEPT	92.10803						
MILES	3	0.68796	0.035	0.812	19.452	0.000	0.884851
DDAYS	5	-0.71550	0.294	-0.101	-2.431	0.016	0.884851

METER NAME - MB3

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	161.63241	74.57873	0.46141	32.00000	289.00000
3 MILES	778.00399	139.24218	0.17897	380.00000	991.00000
4 POWER	798.23322	131.10221	0.16424	356.00000	1071.00000
5 DDAYS	-3.45455	16.90833	-4.89452	-52.00000	21.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	1.0000		
MILES	3	0.2321	1.0000	
POWER	4	0.1375	0.7823	1.0000
DDAYS	5	0.7406	0.3086	0.2107

MULTIPLE R 0.7830 STD. ERROR OF EST. 81.8770
 MULTIPLE R-SQUARE 0.6131

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	2655360.300	2	1327680.200	198.047	0.00000
RESIDUAL	1675962.800	250	6703.851		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	216.57032					
MILES 3	0.74646	0.039	0.793	19.168	0.000	0.904759
DDAYS 5	-0.26376	0.321	-0.034	-0.822	0.412	0.904759

METER NAME - MB4

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	160.79216	74.90992	0.46588	32.00000	289.00000
3 MILES	774.75294	143.46292	0.18517	342.00000	991.00000
4 POWER	612.69019	125.86658	0.20543	289.00000	997.00000
5 DDAYS	-3.67843	17.06283	-4.63862	-52.00000	21.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	1.0000		
MILES	3	0.2545	1.0000	
POWER	4	0.0600	0.7585	1.0000
DDAYS	5	0.7452	0.3314	0.0626

MULTIPLE R	0.7844	STD. ERROR OF EST.	78.3748
MULTIPLE R-SQUARE	0.6153		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	2476033.000	2	1238016.500	201.546	0.00000
RESIDUAL	1547935.600	252	6142.602		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE	
INTERCEPT	43.60934						
MILES	3	0.72711	0.036	0.829	20.013	0.000	0.890164
DDAYS	5	-1.56406	0.305	-0.212	-5.120	0.000	0.890164

METER NAME - MB5

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	160.79216	74.90992	0.46588	32.00000	289.00000
3 MILES	774.75294	143.46292	0.18517	342.00000	991.00000
4 POWER	1048.69010	227.21264	0.21666	262.00000	1410.00000
5 DDAYS	-3.67843	17.06283	-4.63862	-52.00000	21.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	1.0000		
MILES	3	0.2545	1.0000	
POWER	4	-0.2094	0.5490	1.0000
DDAYS	5	0.7452	0.3314	-0.0408

MULTIPLE R	0.5976	STD. ERROR OF EST.	182.8987
MULTIPLE R-SQUARE	0.3571		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	4683014.900	2	2341507.400	69.996	0.00000
RESIDUAL	8429883.900	252	33451.920		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE	
INTERCEPT	261.04317						
MILES	3	1.00082	0.085	0.632	11.804	0.000	0.890164
DDAYS	5	-3.33189	0.713	-0.250	-4.674	0.000	0.890164

METER NAME - MB6

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	161.12598	74.86752	0.46465	32.00000	289.00000
3 MILES	776.45673	141.13762	0.18177	380.00000	991.00000
4 POWER	656.80708	129.62901	0.19736	257.00000	985.00000
5 DDAYS	-3.61417	17.06558	-4.72185	-52.00000	21.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	1.0000		
MILES	3	0.2460	1.0000	
POWER	4	0.1828	0.6807	1.0000
DDAYS	5	0.7441	0.3265	0.2156

MULTIPLE R	0.6807	STD. ERROR OF EST.	95.3347
MULTIPLE R-SQUARE	0.4634		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	1970068.600	2	985034.280	108.380	0.00000
RESIDUAL	2281262.700	251	9088.696		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE	
INTERCEPT	169.41967						
MILES	3	0.62744	0.045	0.683	13.965	0.000	0.893388
DDAYS	5	-0.05697	0.372	-0.007	-0.153	0.878	0.893388

METER NAME - MB7

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	161.28740	74.63836	0.46277	32.00000	289.00000
3 MILES	775.76376	142.83338	0.18412	342.00000	991.00000
4 POWER	715.77166	158.37346	0.22126	261.00000	1080.00000
5 DDAYS	-3.54331	16.95927	-4.78628	-52.00000	21.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1.0000			
MILES	0.2455	1.0000		
POWER	-0.0768	0.6368	1.0000	
DDAYS	0.7419	0.3218	-0.0747	1.0000

MULTIPLE R	0.7019	STD. ERROR OF EST.	113.2515
MULTIPLE R-SQUARE	0.4927		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	3126483.800	2	1563241.900	121.882	0.00000
RESIDUAL	3219300.700	251	12825.899		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	71.38561					
MILES	3 0.81735	0.053	0.737	15.524	0.000	0.896447
DDAYS	5 -2.91233	0.443	-0.312	-6.568	-0.000	0.896447

METER NAME - MB8

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	161.36800	75.53031	0.46806	32.00000	289.00000
3 MILES	777.24400	142.16273	0.18291	342.00000	991.00000
4 POWER	934.38403	289.12799	0.30943	432.00000	1966.00000
5 DDAYS	-3.74000	17.22449	-4.60548	-52.00000	21.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1.0000			
MILES	0.2523	1.0000		
POWER	-0.1368	0.2982	1.0000	
DDAYS	0.7480	0.3399	0.0781	1.0000

MULTIPLE R	0.2993	STD. ERROR OF EST.	276.9907
MULTIPLE R-SQUARE	0.0896		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	1864357.300	2	932178.670	12.150	0.00001
RESIDUAL	18950796.000	247	76723.869		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	447.10881					
MILES	0.62480	0.131	0.307	4.759	0.000	0.884447
DDAYS	-0.44246	1.084	-0.026	-0.408	0.683	0.884447

9.4.2.**REGRESSION RESULTS FOR RED LINE TRACTION METERS
DURING NON-OPERATING PERIODS**

METER NAME - MA1

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	161.92213	73.99743	0.45699	32.00000	289.00000
3 MILES	2914.53290	1288.47740	0.44209	215.00000	4295.00000
4 POWER	88.62295	37.06813	0.41827	1.00000	202.00000
5 DDAYS	-12.59016	16.56003	-1.31531	-56.00000	11.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	0.1138	0.1325	0.7579
MILES	3	1.0000	0.3143	0.0998
POWER	4	0.1325	1.0000	0.1685
DDAYS	5	0.7579	0.0998	1.0000

MULTIPLE R	0.1685	STD. ERROR OF EST.	36.6136
MULTIPLE R-SQUARE	0.0284		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	9477.968	1	9477.968	7.070	0.00836
RESIDUAL	324415.340	242	1340.559		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	93.37110					
DDAYS	0.37713	0.142	0.168	2.659	0.008	1.000000

METER NAME - MB1

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	162.00000	74.19768	0.45801	32.00000	289.00000
3 MILES	2955.29870	1467.61420	0.49660	238.00000	14242.00000
4 POWER	97.74104	44.29764	0.45321	1.00000	307.00000
5 DDAYS	-12.63347	16.38149	-1.29667	-56.00000	11.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	1.0000		
MILES	3	0.0286	1.0000	
POWER	4	0.0251	0.0315	1.0000
DDAYS	5	0.7440	0.0500	-0.0532

MULTIPLE R	0.0532	STD. ERROR OF EST.	44.3237
MULTIPLE R-SQUARE	0.0028		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	1388.111	1	1388.111	0.707	0.40139
RESIDUAL	489182.070	249	1964.587		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	95.92380					
DDAYS	-0.14384	0.171	-0.053	-0.841	0.401	1.000000

METER NAME - MB2

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	162.35200	74.12810	0.45659	32.00000	289.00000
3 MILES	2904.46010	1293.09990	0.44521	238.00000	4295.00000
4 POWER	132.97200	40.92803	0.30779	32.00000	244.00000
5 DDAYS	-12.48800	16.23923	-1.30039	-56.00000	11.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	1.0000		
MILES	3	0.0694	1.0000	
POWER	4	-0.0343	0.2652	1.0000
DDAYS	5	0.7415	0.0723	-0.0989

MULTIPLE R	0.0989	STD. ERROR OF EST.	40.8093
MULTIPLE R-SQUARE	0.0098		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	4081.209	1	4081.209	2.451	0.11876
RESIDUAL	413019.600	248	1665.402		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	129.85869					
DDAYS	-0.24930	0.159	-0.099	-1.565	0.119	1.000000

METER NAME - MB3

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	161.79839	73.82400	0.45627	32.00000	289.00000
3 MILES	2941.59270	1258.86700	0.42795	238.00000	4295.00000
4 POWER	320.71775	83.33927	0.25985	140.00000	631.00000
5 DDAYS	-12.45968	16.08626	-1.29107	-56.00000	10.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	1.0000		
MILES	3	0.0720	1.0000	
POWER	4	0.0665	0.2690	1.0000
DDAYS	5	0.7484	0.0551	0.0250

MULTIPLE R	0.0250	STD. ERROR OF EST.	83.4823
MULTIPLE R-SQUARE	0.0006		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	1075.710	1	1075.710	0.154	0.69475
RESIDUAL	1714446.500	246	6969.295		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	322.33415					
DDAYS	0.12973	0.330	0.025	0.393	0.695	1.000000

METER NAME - MB4

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	161.97211	74.23673	0.45833	32.00000	289.00000
3 MILES	2910.48990	1282.98950	0.44082	238.00000	4295.00000
4 POWER	83.66136	49.37360	0.59016	3.00000	291.00000
5 DDAYS	-12.52590	16.19637	-1.29303	-56.00000	11.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	1.0000		
MILES	3	0.0640	1.0000	
POWER	4	-0.0482	0.1013	1.0000
DDAYS	5	0.7435	0.0610	-0.2398

MULTIPLE R	0.2398	STD. ERROR OF EST.	48.0289
MULTIPLE R-SQUARE	0.0575		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	35051.453	1	35051.453	15.195	0.00012
RESIDUAL	574386.740	249	2306.774		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	74.50392					
DDAYS	-0.73108	0.188	-0.240	-3.898	0.000	1.000000

METER NAME - MB5

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	162.50202	73.70364	0.45356	32.00000	289.00000
3 MILES	2937.30790	1259.64630	0.42884	262.00000	4295.00000
4 POWER	305.63562	160.12626	0.52391	38.00000	1440.00000
5 DDAYS	-12.44534	16.11884	-1.29517	-56.00000	11.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	1.0000		
MILES	3	0.0353	1.0000	
POWER	4	-0.1980	0.1704	1.0000
DDAYS	5	0.7382	0.0425	-0.2583

MULTIPLE R	0.2583	STD. ERROR OF EST.	155.0082
MULTIPLE R-SQUARE	0.0667		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F-RATIO	P(TAIL)
REGRESSION	420798.910	1	420798.910	17.513	0.00004
RESIDUAL	5886744.200	245	24027.527		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	273.70239					
DDAYS	-2.56588	0.613	-0.258	-4.185	0.000	1.000000

METER NAME - MB6

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	158.85542	74.44880	0.46866	32.00000	288.00000
3 MILES	2919.03220	1279.67690	0.43839	238.00000	4295.00000
4 POWER	250.15261	200.14795	0.80010	23.00000	807.00000
5 DDAYS	-13.23293	16.63441	-1.25705	-56.00000	11.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	0.1341	0.5573	0.7538
MILES	3	1.0000	0.3608	0.1488
POWER	4	0.3608	1.0000	0.5204
DDAYS	5	0.1488	0.5204	1.0000

MULTIPLE R	0.5204	STD. ERROR OF EST.	171.2573
MULTIPLE R-SQUARE	0.2708		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	2690403.500	1	2690403.500	91.732	0.00000
RESIDUAL	7244278.600	247	29329.063		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	333.01005					
DDAYS	6.3146	0.654	0.520	9.578	-0.000	1.000000

METER NAME - MB7

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	163.24498	73.98692	0.45323	32.00000	289.00000
3 MILES	2906.92770	1288.94870	0.44341	215.00000	4295.00000
4 POWER	123.72289	89.28267	0.72163	6.00000	385.00000
5 DDAYS	-12.38153	16.17529	-1.30641	-56.00000	11.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	1.0000		
MILES	3	0.0435	1.0000	
POWER	4	-0.1569	0.3596	1.0000
DDAYS	5	0.7416	0.0475	-0.2476

MULTIPLE R	0.2476	STD. ERROR OF EST.	86.6783
MULTIPLE R-SQUARE	0.0613		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	121163.320	1	121163.320	16.127	0.00008
RESIDUAL	1855742.500	247	7513.128		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	106.80362					
DDAYS	-1.36649	0.340	-0.248	-4.016	0.000	1.000000

METER NAME - MB8

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	159.69796	74.74475	0.46804	32.00000	289.00000
3 MILES	2939.09380	1264.04640	0.43008	246.00000	4295.00000
4 POWER	388.41631	165.82056	0.42691	110.00000	974.00000
5 DDAYS	-13.04082	16.87339	-1.29389	-56.00000	11.00000

CORRELATION MATRIX

	DATE	MILES	POWER	DDAYS
	1	3	4	5
DATE	1	1.0000		
MILES	3	0.1369	1.0000	
POWER	4	-0.0263	0.5282	1.0000
DDAYS	5	0.7716	0.1150	-0.0881

MULTIPLE R	0.0881	STD. ERROR OF EST.	165.5159
MULTIPLE R-SQUARE	0.0078		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	52026.686	1	52026.686	1.899	0.16945
RESIDUAL	6657108.900	243	27395.510		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE	
INTERCEPT	377.13082						
DDAYS	5	86540	0.628	-0.088	-1.378	0.169	1.000000

9.4.3.

**REGRESSION RESULTS FOR BLUE/ORANGE LINE TRACTION METERS
DURING REVENUE OPERATING PERIODS**

METER NAME - MC8

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	160.29796	76.44990	0.47692	32.00000	289.00000
3 MILES	843.98370	165.82696	0.19648	385.00000	1241.00000
4 POWER	421.64489	219.14192	0.51973	25.00000	948.00000
5 DDAYS	-4.07347	17.27462	-4.24076	-52.00000	21.00000

CORRELATION MATRIX

	DATE	MILES	POWER	DDAYS
	1	3	4	5
DATE	1	1.0000		
MILES	3	0.0148	1.0000	
POWER	4	0.6096	0.2706	1.0000
DDAYS	5	0.7475	0.0662	0.6326

MULTIPLE R	0.6728	STD. ERROR OF EST.	162.7852
MULTIPLE R-SQUARE	0.4527		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	5304894.900	2	2652447.400	100.096	0.00000
RESIDUAL	6412761.000	242	26499.012		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	197.25659					
MILES	3 0.30367	0.063	0.230	4.822	0.000	0.995623
DDAYS	5 7.83189	0.605	0.617	12.954	0.000	0.995623

METER NAME - MC6

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	159.96799	75.25533	0.47044	32.00000	289.00000
3 MILES	847.51199	159.38940	0.18807	408.00000	1241.00000
4 POWER	615.00001	124.58168	0.20257	262.00000	837.00000
5 DDAYS	-3.83600	17.17338	-4.47690	-52.00000	21.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1.0000			
MILES	0.0061	1.0000		
POWER	0.1458	0.7793	1.0000	
DDAYS	0.7447	0.0740	0.1541	1.0000

MULTIPLE R	0.7853	STD. ERROR OF EST.	77.4446
MULTIPLE R-SQUARE	0.6167		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	2383206.300	2	1191603.100	198.678	0.00000
RESIDUAL	1481421.900	247	5997.660		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	106.20502					
MILES	3 0.60352	0.031	0.772	19.546	0.000	0.994517
DDAYS	5 0.70287	0.287	0.097	2.453	0.015	0.994517

METER NAME - MC5

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	161.39200	74.84950	0.46377	32.00000	289.00000
3 MILES	1952.39200	355.12896	0.18189	951.00000	2699.00000
4 POWER	1014.51200	220.32075	0.21717	368.00000	1411.00000
5. DDAYS	-3.50800	16.81060	-4.79208	-52.00000	21.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	0.0000		
MILES	3	0.0556	1.0000	
POWER	4	0.2417	0.8238	1.0000
DDAYS	5	0.7388	0.0880	0.3542

MULTIPLE R	0.8710	STD. ERROR OF EST.	108.6702
MULTIPLE R-SQUARE	0.7587		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	9169890.300	2	4584945.100	388.251	0.00000
RESIDUAL	2916876.600	247	11809.217		

VARIABLE		COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT		59.95426					
MILES	3	0.49560	0.019	0.799	25.458	0.000	0.992258
DDAYS	5	3.72089	2.411	0.284	9.048	-0.000	0.992258

METER NAME - MC4

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	162.29600	74.52042	0.45916	32.00000	289.00000
3 MILES	1965.81600	342.79662	0.17438	951.00000	2699.00000
4 POWER	1022.19200	187.12308	0.18306	526.00000	1448.00000
5 DDAYS	-3.28400	16.76567	-5.10526	-52.00000	21.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	1.0000		
MILES	3	0.0296	1.0000	
POWER	4	0.0510	0.9096	1.0000
DDAYS	5	0.7366	0.0787	0.0338

MULTIPLE R	0.9104	STD. ERROR OF EST.	77.7189
MULTIPLE R-SQUARE	0.8289		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	7226811.200	2	3613405.600	598.224	0.00000
RESIDUAL	1491935.800	247	6040.226		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE	
INTERCEPT	41.46945						
MILES	3	0.49818	0.014	0.913	34.566	0.000	0.993806
DDAYS	5	-0.42401	0.295	-0.038	-1.439	0.151	0.993806

METER NAME - MC3

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	162.97591	74.12973	0.45485	32.00000	289.00000
3 MILES	1962.79520	347.23447	0.17691	951.00000	2699.00000
4 POWER	1127.10040	225.32278	0.19991	505.00000	1520.00000
5 DDAYS	-3.06426	16.61919	-5.42356	-52.00000	21.00000

CORRELATION MATRIX

	DATE	MILES	POWER	DDAYS
	1	3	4	5
DATE	1	1.0000		
MILES	3	0.0333	1.0000	
POWER	4	0.0902	0.9043	1.0000
DDAYS	5	0.7316	0.0776	0.1646

MULTIPLE R	0.9092	STD. ERROR OF EST.	94.1959
MULTIPLE R-SQUARE	0.8266		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	10408324.000	2	5204161.900	586.526	0.00000
RESIDUAL	2182724.700	246	8872.865		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE	
INTERCEPT	-11.28577						
MILES	3	0.58199	0.017	0.897	33.684	0.000	0.993978
DDAYS	5	1.28792	0.361	0.095	3.568	0.000	0.993978

METER NAME - MC1

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	162.63307	74.64582	0.45898	32.00000	289.00000
3 MILES	1965.43560	342.58443	0.17430	951.00000	2699.00000
4 POWER	1125.59680	212.85116	0.18910	496.00000	1574.00000
5 DDAYS	-3.25000	16.73737	-5.14996	-52.00000	21.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	1.0000		
MILES	3	0.0259	1.0000	
POWER	4	0.1863	0.8973	1.0000
DDAYS	5	0.7366	0.0698	0.2341

MULTIPLE R	0.9136	STD. ERROR OF EST.	86.9092
MULTIPLE R-SQUARE	0.8346		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	9339949.800	2	4669974.900	618.277	0.00000
RESIDUAL	1850537.400	245	7553.214		

VARIABLE		COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT		51.70935					
MILES	3	0.55001	0.016	0.885	33.991	0.000	0.995134
DDAYS	5	2.19147	0.331	0.172	6.617	-0.000	0.995134

METER NAME - MD2

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	162.66802	74.79502	0.45980	32.00000	289.00000
3 MILES	1971.71260	340.33831	0.17261	951.00000	2699.00000
4 POWER	1063.57900	191.66123	0.18020	425.00000	1462.00000
5 DDAYS	-3.26316	16.77492	-5.14070	-52.00000	21.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	1.0000		
MILES	3	0.0247	1.0000	
POWER	4	0.0779	0.9208	1.0000
DDAYS	5	0.7367	0.0827	0.1545

MULTIPLE R	0.9242	STD. ERROR OF EST.	73.5032
MULTIPLE R-SQUARE	0.8541		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	7718307.800	2	3859153.900	714.299	0.00000
RESIDUAL	1318262.900	244	5402.717		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	51.30862					
MILES	3	0.51489	0.914	37.265	0.000	0.993163
DDAYS	5	0.90195	0.079	3.217	0.001	0.993163

METER NAME - MD4

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	162.44400	74.37800	0.45787	32.00000	289.00000
3 MILES	1958.08000	350.94410	0.17923	951.00000	2699.00000
4 POWER	715.97199	154.87615	0.21632	299.00000	1065.00000
5 DDAYS	-3.20400	16.68087	-5.20626	-52.00000	21.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	1.0000		
MILES	3	0.0318	1.0000	
POWER	4	0.1050	0.9003	1.0000
DDAYS	5	0.7351	0.0605	0.1162

MULTIPLE R	0.9025	STD. ERROR OF EST.	66.9866
MULTIPLE R-SQUARE	0.8144		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	4864330.600	2	2432165.300	542.023	0.00000
RESIDUAL	1108338.300	247	4487.200		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE	
INTERCEPT	-56.95026						
MILES	3	0.39568	0.012	0.897	32.651	0.000	0.996344
DDAYS	5	0.57539	0.255	0.062	2.257	0.025	0.996344

METER NAME - MD6

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	162.95142	74.62435	0.45795	32.00000	289.00000
3 MILES	1970.54660	342.03042	0.17357	951.00000	2699.00000
4 POWER	1287.98380	231.37117	0.17964	541.00000	1738.00000
5 DDAYS	-3.13360	16.75318	-5.34630	-52.00000	21.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	1.0000		
MILES	3	0.0212	1.0000	
POWER	4	0.0833	0.9275	1.0000
DDAYS	5	0.7341	0.0718	0.1560

MULTIPLE R	0.9318	STD. ERROR OF EST.	84.3331
MULTIPLE R-SQUARE	0.8682		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	11433679.000	2	5716839.600	803.822	0.00000
RESIDUAL	1735345.200	244	7112.071		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE	
INTERCEPT	64.15964						
MILES	3	0.62303	0.016	0.921	39.530	0.000	0.994850
DDAYS	5	1.24129	0.322	0.090	3.858	0.000	0.994850

METER NAME - MD7

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	160.97571	75.76348	0.47065	32.00000	289.00000
3 MILES	1953.99190	356.22912	0.18231	951.00000	2699.00000
4 POWER	630.42915	151.14434	0.23975	252.00000	829.00000
5 DDAYS	-3.74494	17.09668	-4.56528	-52.00000	21.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1.0000			
MILES	0.0552	1.0000		
POWER	0.1476	0.8615	1.0000	
DDAYS	0.7442	0.0991	0.1095	1.0000

MULTIPLE R	0.8618	STD. ERROR OF EST.	76.9738
MULTIPLE R-SQUARE	0.7427		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	4174081.600	2	2087040.800	352.245	0.00000
RESIDUAL	1445692.800	244	5924.970		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	-80.98293					
MILES	3 0.36449	0.014	0.859	26.327	0.000	0.990187
DDAYS	5 0.21566	0.288	0.024	0.748	0.455	0.990187

METER NAME - MD8

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	162.30924	74.67022	0.46005	32.00000	289.00000
3 MILES	1964.16060	342.48435	0.17437	951.00000	2699.00000
4 POWER	1270.56630	207.33142	0.16318	687.00000	1693.00000
5 DDAYS	-3.34538	16.77127	-5.01326	-52.00000	21.00000

CORRELATION MATRIX

	DATE	MILES	POWER	DDAYS
	1	3	4	5
DATE	1	1.0000		
MILES	3	0.0299	1.0000	
POWER	4	-0.0055	0.9003	1.0000
DDAYS	5	0.7380	0.0746	0.0356

MULTIPLE R	0.9008	STD. ERROR OF EST.	90.3776
MULTIPLE R-SQUARE	0.8115		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	8651251.100	2	4325625.600	529.575	0.00000
RESIDUAL	2009355.900	246	8168.114		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE	
INTERCEPT	195.95065						
MILES	3	0.54644	0.017	0.903	32.519	0.000	0.994431
DDAYS	5	-0.39223	0.343	-0.032	-1.143	0.254	0.994431

METER NAME - MD9

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	160.74400	75.30777	0.46850	32.00000	289.00000
3 MILES	1109.80000	205.31643	0.18500	497.00000	1559.00000
4 POWER	709.13602	163.22500	0.23017	370.00000	1187.00000
5 DDAYS	-3.68400	17.07555	-4.63506	-52.00000	21.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	1.0000		
MILES	3	0.0659	1.0000	
POWER	4	0.0824	0.6641	1.0000
DDAYS	5	0.7416	0.0852	0.0520

MULTIPLE R	0.6641	STD. ERROR OF EST.	122.5246
MULTIPLE R-SQUARE	0.4411		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	2925927.500	2	1462963.700	97.451	0.00000
RESIDUAL	3708030.100	247	15012.268		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE	
INTERCEPT	122.70352						
MILES	3	0.52827	0.038	0.664	13.918	0.000	0.992745
DDAYS	5	-0.04386	0.456	-0.005	-0.096	0.924	0.992745

METER NAME - MD10

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	162.72691	74.46929	0.45763	32.00000	289.00000
3 MILES	1113.33730	197.91907	0.17777	497.00000	1559.00000
4 POWER	648.10442	127.78313	0.19716	214.00000	893.00000
5 DDAYS	-3.18474	16.79424	-5.27335	-52.00000	21.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	1.0000		
MILES	3	0.0749	1.0000	
POWER	4	0.2888	0.7792	1.0000
DDAYS	5	0.7352	0.1116	0.3009

MULTIPLE R 0.8084 STD. ERROR OF EST. 75.5176
 MULTIPLE R-SQUARE 0.6536

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	2646560.000	2	1323280.000	232.036	0.00000
RESIDUAL	1402915.000	246	5702.907		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	110.60389					
MILES 3	0.48750	0.024	0.755	19.995	0.000	0.987544
DDAYS 5	1.64813	0.287	0.217	5.736	0.000	0.987544

METER NAME - MD11

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	216.12643	65.79669	0.30444	109.00000	289.00000
3 MILES	1128.28730	194.68536	0.17255	611.00000	1559.00000
4 POWER	706.83907	120.03380	0.16982	382.00000	928.00000
5 DDAYS	1.52874	9.62777	6.29786	-17.00000	20.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	1.0000		
MILES	3	-0.1018	1.0000	
POWER	4	-0.0864	0.8812	1.0000
DDAYS	5	0.2958	0.0741	0.1015

MULTIPLE R	0.8820	STD. ERROR OF EST.	57.2393
MULTIPLE R-SQUARE	0.7779		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	963885.210	2	481942.610	147.098	0.00000
RESIDUAL	275212.580	84	3276.340		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE	
INTERCEPT	94.98990						
MILES	3	0.54167	0.032	0.879	17.038	0.000	0.994514
DDAYS	5	0.45361	0.643	0.036	0.706	0.482	0.994514

METER NAME - MD12

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	222.00000	64.40051	0.29009	109.00000	289.00000
3 MILES	1124.40740	206.94702	0.18405	579.00000	1559.00000
4 POWER	607.06174	110.67038	0.18230	325.00000	741.00000
5 DDAYS	1.51852	9.90090	6.52010	-17.00000	20.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	1.0000		
MILES	3	-0.0761	1.0000	
POWER	4	0.3947	0.6092	1.0000
DDAYS	5	0.3194	0.1132	0.3160

MULTIPLE R	0.6580	STD. ERROR OF EST.	84.3958
MULTIPLE R-SQUARE	0.4330		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	424268.340	2	212134.170	29.783	0.00000
RESIDUAL	555566.270	78	7122.645		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE	
INTERCEPT	253.5105						
MILES	3	0.31066	0.046	0.581	6.770	0.000	0.987182
DDAYS	5	2.79733	0.959	0.250	2.916	0.005	0.987182

METER NAME - MD13

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	215.95349	66.16271	0.30637	109.00000	289.00000
3 MILES	1126.09300	194.74203	0.17294	611.00000	1559.00000
4 POWER	618.23257	88.89845	0.14379	386.00000	722.00000
5 DDAYS	1.52326	9.68410	6.35750	-17.00000	20.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	1.0000		
MILES	3	-0.1050	1.0000	
POWER	4	0.0341	0.8724	1.0000
DDAYS	5	0.2958	0.0739	0.3015

MULTIPLE R	0.9042	STD. ERROR OF EST.	38.4329
MULTIPLE R-SQUARE	0.8175		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	549151.120	2	274575.560	185.890	0.00000
RESIDUAL	122598.250	83	1477.087		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE	
INTERCEPT	175.50920						
MILES	3	0.39019	0.021	0.855	18.178	0.000	0.994536
DDAYS	5	2.18729	0.432	0.238	5.067	0.000	0.994536

METER NAME - MDY

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	215.26136	65.91888	0.30623	109.00000	289.00000
3 MILES	1129.54550	193.92272	0.17168	611.00000	1559.00000
4 POWER	920.36364	134.40231	0.14603	506.00000	1200.00000
5 DDAYS	1.54545	9.57356	6.19466	-17.00000	20.00000

CORRELATION MATRIX

	DATE	MILES	POWER	DDAYS
	1	3	4	5
DATE	1	1.0000		
MILES	3	-0.1083	1.0000	
POWER	4	0.3328	0.3859	1.0000
DDAYS	5	0.2915	0.0749	0.5809

MULTIPLE R	0.6748	STD. ERROR OF EST.	100.3512
MULTIPLE R-SQUARE	0.4553		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	715585.380	2	357792.690	35.529	0.00000
RESIDUAL	855980.980	85	10070.364		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE	
INTERCEPT	638.79917						
MILES	3	0.23861	0.056	0.344	4.289	0.000	0.994387
DDAYS	5	7.79	1.127	0.555	6.915	0.000	0.994387

9.4.4.

**REGRESSION RESULTS FOR BLUE/ORANGE LINE TRACTION METERS
DURING NON-OPERATING PERIODS**

METER NAME - MC8

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	157.70689	77.01032	0.48831	32.00000	289.00000
3 MILES	3072.66800	1255.00210	0.40844	256.00000	5031.00000
4 POWER	163.50000	159.83005	0.97755	20.00000	519.00000
5 DDAYS	-14.11638	16.88692	-1.19626	-56.00000	11.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1.0000			
MILES	0.0573	1.0000		
POWER	0.6539	0.1475	1.0000	
DDAYS	0.7521	0.0824	0.6940	1.0000

MULTIPLE R	0.6940	STD. ERROR OF EST.	115.3307
MULTIPLE R-SQUARE	0.4816		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	2841773.400	1	2841773.400	213.648	0.00000
RESIDUAL	3059270.600	230	13301.177		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	256.21746					
DDAYS	6.56800	0.449	0.694	14.617	0.000	1.000000

METER NAME - MC6

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	161.15385	73.60226	0.45672	32.00000	289.00000
3 MILES	3049.06470	1267.83170	0.41581	256.00000	5031.00000
4 POWER	89.62753	27.63715	0.30836	32.00000	182.00000
5 DDAYS	-12.46154	16.23849	-1.30309	-56.00000	11.00000

CORRELATION MATRIX

	DATE	MILES	POWER	DDAYS
	1	3	4	5
DATE	1	1.0000		
MILES	3	-0.0331	1.0000	
POWER	4	-0.2955	0.2801	1.0000
DDAYS	5	0.7628	-0.0793	-0.4004

MULTIPLE R	0.4004	STD. ERROR OF EST.	25.3772
MULTIPLE R-SQUARE	0.1603		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	30116.708	1	30116.708	46.765	0.00000
RESIDUAL	157781.020	245	644.004		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE	
INTERCEPT	81.13646						
DDAYS	5	-0.68138	0.100	-0.400	-6.838	-0.000	1.000000

METER NAME - MC5

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	157.21632	74.65828	0.47488	32.00000	289.00000
3 MILES	7075.01630	2867.93840	0.40536	641.00000	10936.00000
4 POWER	183.87347	81.59865	0.44378	46.00000	428.00000
5 DDAYS	-13.72245	16.58944	-1.20893	-56.00000	10.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	0.1053	0.4533	0.7505
MILES	3	1.0000	0.2301	0.1040
POWER	4	0.2301	1.0000	0.5320
DDAYS	5	0.1040	0.5320	1.0000

MULTIPLE R	0.5320	STD. ERROR OF EST.	69.2376
MULTIPLE R-SQUARE	0.2830		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	459730.310	1	459730.310	95.900	0.00000
RESIDUAL	1164904.800	243	4793.847		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	219.77850					
DDAYS	2.61600	0.267	0.532	9.793	0.000	1.000000

METER NAME - MC4

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	161.16800	74.30884	0.46106	32.00000	289.00000
3 MILES	6956.36370	2958.24510	0.42526	669.00000	10936.00000
4 POWER	99.86400	39.03882	0.39092	36.00000	275.00000
5 DDAYS	-12.76800	16.43565	-1.28725	-56.00000	11.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1.0000			
MILES	-0.0076	1.0000		
POWER	-0.2222	0.3204	1.0000	
DDAYS	0.7536	-0.0176	-0.3008	1.0000

MULTIPLE R	0.3008	STD. ERROR OF EST.	37.3062
MULTIPLE R-SQUARE	0.0905		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	34328.238	1	34328.238	24.665	0.00000
RESIDUAL	345155.160	248	1391.755		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	90.74259					
DDAYS	-0.71440	0.144	-0.301	-4.966	0.000	1.000000

METER NAME - MC3

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	160.29644	74.93867	0.46750	32.00000	289.00000
3 MILES	6885.73540	3010.70900	0.43724	669.00000	10936.00000
4 POWER	54.35573	16.91364	0.31117	27.00000	211.00000
5 DDAYS	-13.08696	16.70164	-1.27621	-56.00000	11.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	1.0000		
MILES	3	0.0160	1.0000	
POWER	4	-0.0083	0.0949	1.0000
DDAYS	5	0.7597	0.0211	0.0540

MULTIPLE R	0.0540	STD. ERROR OF EST.	16.9226
MULTIPLE R-SQUARE	0.0029		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	210.188	1	210.188	0.734	0.39242
RESIDUAL	71879.798	251	286.374		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	55.07135					
DDAYS	0.05468	0.064	0.054	0.857	0.392	1.000000

METER NAME - MCI

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	160.86000	74.62092	0.46389	32.00000	289.00000
3 MILES	7075.17210	3548.19960	0.50150	641.00000	37902.00000
4 POWER	30.79600	31.19305	1.01289	1.00000	214.00000
5 DDAYS	-12.82400	16.46882	-1.28422	-56.00000	11.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	1.0000		
MILES	3	-0.0306	1.0000	
POWER	4	0.0486	0.1133	1.0000
DDAYS	5	0.7554	-0.0399	0.0916

MULTIPLE R	0.0916	STD. ERROR OF EST.	31.1244
MULTIPLE R-SQUARE	0.0084		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	2034.594	1	2034.594	2.100	0.14854
RESIDUAL	240244.000	248	968.726		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	33.02187					
DDAYS	0.17357	0.120	0.092	1.449	0.149	1.000000

METER NAME - MD2

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	161.05180	74.61759	0.46331	32.00000	289.00000
3 MILES	6931.64150	2978.21430	0.42965	669.00000	10936.00000
4 POWER	36.22709	22.40322	0.61841	1.00000	273.00000
5 DDAYS	-12.78486	16.44389	-1.28620	-56.00000	11.00000

CORRELATION MATRIX

	DATE	MILES	POWER	DDAYS
	1	3	4	5
DATE	1	1.0000		
MILES	3	-0.0037	1.0000	
POWER	4	-0.0082	0.1611	1.0000
DDAYS	5	0.7549	-0.0150	0.0075

MULTIPLE R	0.0075	STD. ERROR OF EST.	22.4475
MULTIPLE R-SQUARE	0.0001		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	6.976	1	6.976	0.014	0.90643
RESIDUAL	125469.080	249	503.892		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	36.35697					
DDAYS	5	0.01016	0.086	0.007	0.118	0.906

METER NAME - MD4

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	160.91600	74.19710	0.46109	32.00000	289.00000
3 MILES	6957.50830	2955.87120	0.42485	669.00000	10936.00000
4 POWER	21.83200	17.04388	0.78068	6.00000	242.00000
5 DDAYS	-12.67200	16.40980	-1.29497	-56.00000	11.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	1.0000		
MILES	3	0.0001	1.0000	
POWER	4	-0.0443	0.1440	1.0000
DDAYS	5	0.7586	-0.0298	-0.0658

MULTIPLE R	0.0658	STD. ERROR OF EST.	17.0412
MULTIPLE R-SQUARE	0.0043		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	313.009	1	313.009	1.078	0.30019
RESIDUAL	72019.932	248	290.403		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	20.96619					
DDAYS	-0.06832	0.066	-0.066	-1.038	0.300	1.000000

METER NAME - MD6

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	161.05180	74.61759	0.46331	32.00000	289.00000
3 MILES	6931.64150	2978.21430	0.42965	669.00000	10936.00000
4 POWER	40.74900	29.83469	0.73216	4.00000	399.00000
5 D DAYS	-12.78486	16.44389	-1.28620	-56.00000	11.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	D DAYS 5
DATE	1	1.0000		
MILES	3	-0.0037	1.0000	
POWER	4	-0.0295	0.1450	1.0000
D DAYS	5	0.7549	-0.0150	-0.0308

MULTIPLE R	0.0308	STD. ERROR OF EST.	29.8804
MULTIPLE R-SQUARE	0.0009		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	210.857	1	210.857	0.236	0.62742
RESIDUAL	222316.340	249	892.837		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	40.03498					
D DAYS	-0.05585	0.115	-0.031	-0.486	0.627	1.000000

METER NAME - MD7

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	159.80738	76.13271	0.47640	32.00000	289.00000
3 MILES	6975.02040	3785.02500	0.54265	641.00000	41892.00000
4 POWER	52.37705	86.12722	1.64437	1.00000	399.00000
5 DDAYS	-13.27459	16.82720	-1.26763	-56.00000	11.00000

CORRELATION MATRIX

	DATE	MILES	POWER	DDAYS
	1	3	4	5
DATE	1	1.0000		
MILES	3	0.0223	1.0000	
POWER	4	0.4612	0.1127	1.0000
DDAYS	5	0.7499	0.0510	0.3256

MULTIPLE R	0.3256	STD. ERROR OF EST.	81.6013
MULTIPLE R-SQUARE	0.1060		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	191128.090	1	191128.090	28.703	0.00000
RESIDUAL	1611421.200	242	6658.765		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	74.50129					
DDAYS	5	1.66666	0.311	0.326	5.358	0.000

METER NAME - MD8

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	161.10317	74.45230	0.46214	32.00000	289.00000
3 MILES	6907.64670	2996.59270	0.43381	641.00000	10936.00000
4 POWER	76.80556	44.64073	0.58122	12.00000	597.00000
5 DDAYS	-12.75000	16.42552	-1.28828	-56.00000	11.00000

CORRELATION MATRIX

	DATE	MILES	POWER	DDAYS
	1	3	4	5
DATE	1	1.0000		
MILES	3	-0.0052	1.0000	
POWER	4	-0.1232	0.0653	1.0000
DDAYS	5	0.7543	-0.0193	-0.1124

MULTIPLE R	0.1124	STD. ERROR OF EST.	44.4463
MULTIPLE R-SQUARE	0.0126		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	6323.629	1	6323.629	3.201	0.07480
RESIDUAL	493867.820	250	1975.471		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	72.90939					
DDAYS	-0.30558	0.171	-0.112	-1.789	0.075	1.000000

METER NAME - MD9

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	160.66122	75.41701	0.46942	32.00000	289.00000
3 MILES	3901.67350	1701.67250	0.43614	374.00000	6320.00000
4 POWER	70.64898	54.33577	0.76909	20.00000	414.00000
5 DDAYS	-12.93878	16.54899	-1.27902	-56.00000	10.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	1.0000		
MILES	3	0.0190	1.0000	
POWER	4	0.0789	0.2337	1.0000
DDAYS	5	0.7541	0.0034	0.1935

MULTIPLE R	0.1935	STD. ERROR OF EST.	53.4183
MULTIPLE R-SQUARE	0.0374		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	26975.597	1	26975.597	9.453	0.00235
RESIDUAL	693404.190	243	2853.515		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	78.86974					
DDAYS	5	0.63536	0.207	0.194	3.075	0.002
						1.000000

METER NAME - MD10

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	162.36255	74.43360	0.45844	32.00000	289.00000
3 MILES	3927.04780	1687.05330	0.42960	374.00000	6320.00000
4 POWER	213.08368	278.00954	1.30470	20.00000	1041.00000
5 DDAYS	-12.58964	16.37177	-1.30042	-56.00000	11.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	1.0000		
MILES	3	-0.0208	1.0000	
POWER	4	-0.6412	0.2123	1.0000
DDAYS	5	0.7461	-0.0251	-0.6297

MULTIPLE R	0.6297	STD. ERROR OF EST.	216.3979
MULTIPLE R-SQUARE	0.3965		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	7662143.100	1	7662143.100	10.623	0.00000
RESIDUAL	11660184.000	249	46828.048		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	78.45958					
DDAYS	-10.69324	0.836	-0.630	-12.792	0.000	1.000000

METER NAME - MD11

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	213.91765	66.02366	0.30864	110.00000	289.00000
3 MILES	4012.55290	1679.08850	0.41846	413.00000	6320.00000
4 POWER	139.88235	45.51384	0.32537	28.00000	361.00000
5 DDAYS	-7.81176	9.39667	-1.20289	-29.00000	8.00000

CORRELATION MATRIX

	DATE	MILES	POWER	DDAYS	
	1	3	4	5	
DATE	1	1.0000			
MILES	3	-0.0107	1.0000		
POWER	4	-0.1373	0.2955	1.0000	
DDAYS	5	0.3523	-0.0389	-0.2089	1.0000

MULTIPLE R	0.2089	STD. ERROR OF EST.	44.7766
MULTIPLE R-SQUARE	0.0437		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	7596.319	1	7596.319	3.789	0.05498
RESIDUAL	166410.510	83	2004.946		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	131.97671					
DDAYS	-1.01202	0.520	-0.209	-1.946	0.055	1.000000

METER NAME - MD12

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	223.96104	63.52982	0.28366	110.00000	289.00000
3 MILES	4015.67530	1699.60660	0.42324	395.00000	6320.00000
4 POWER	287.11689	202.98710	0.70698	54.00000	760.00000
5 DDAYS	-7.71429	9.73309	-1.26170	-29.00000	8.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	1.0000		
MILES	3	-0.0807	1.0000	
POWER	4	-0.8077	0.2439	1.0000
DDAYS	5	0.3523	-0.0129	-0.4028

MULTIPLE R 0.4028 STD. ERROR OF EST. 187.0303
 MULTIPLE R-SQUARE 0.1622

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	507960.880	1	507960.880	4.521	0.00028
RESIDUAL	2623525.000	75	34980.333		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	222.32014					
DDAYS	-8.39958	2.204	-0.403	-3.811	0.000	1.000000

METER NAME - MD13

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	214.67442	66.00828	0.30748	110.00000	289.00000
3 MILES	3970.48830	1714.15880	0.43172	395.00000	6320.00000
4 POWER	266.17442	48.62175	0.18267	74.00000	439.00000
5 DDAYS	-7.90698	9.38287	-1.18666	-29.00000	8.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	1.0000		
MILES	3	-0.0345	1.0000	
POWER	4	0.1064	0.3816	1.0000
DDAYS	5	0.3387	-0.0163	0.0893

MULTIPLE R	0.0893	STD. ERROR OF EST.	48.7150
MULTIPLE R-SQUARE	0.0080		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	1601.267	1	1601.267	0.675	0.41373
RESIDUAL	199345.110	84	2373.156		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	269.83203					
DDAYS	0.46258	0.563	0.089	0.821	0.414	1.000000

METER NAME - MDY

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	214.38637	66.13004	0.30846	110.00000	289.00000
3 MILES	3889.88640	1775.78660	0.45651	374.00000	6320.00000
4 POWER	928.72726	204.17891	0.21985	492.00000	1554.00000
5 DDAYS	-8.02273	9.33659	-1.16377	-29.00000	8.00000

CORRELATION MATRIX

	DATE	MILES	POWER	DDAYS
	1	3	4	5
DATE	1	1.0000		
MILES	3	-0.0232	1.0000	
POWER	4	0.1570	0.6169	1.0000
DDAYS	5	0.3213	0.0087	0.2961

MULTIPLE R	0.2961	STD. ERROR OF EST.	196.1508
MULTIPLE R-SQUARE	0.0877		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	318083.090	1	318083.090	8.267	0.00509
RESIDUAL	3308862.400	86	38475.144		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	980.68430					
DDAYS	5	6.47623	2.252	0.296	2.875	0.005
						1.000000

9.4.5.

**REGRESSION RESULTS FOR RED LINE SUPPORT METERS
DURING REVENUE OPERATING PERIODS**

METER NAME - MSA3

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	160.79216	74.90992	0.46588	32.00000	289.00000
3 MILES	774.75294	143.46292	0.18517	342.00000	991.00000
4 POWER	350.96079	33.70411	0.09603	285.00000	432.00000
5 DDAYS	-3.67843	17.06283	-4.63862	-52.00000	21.00000

CORRELATION MATRIX

	DATE	MILES	POWER	DDAYS
	1	3	4	5
DATE	1	1.0000		
MILES	3	0.2545	1.0000	
POWER	4	0.7203	0.3339	1.0000
DDAYS	5	0.7452	0.3314	0.4955

MULTIPLE R	0.5271	STD. ERROR OF EST.	28.7548
MULTIPLE R-SQUARE	0.2779		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	80172.941	2	40086.471	48.482	0.00000
RESIDUAL	208362.690	252	826.836		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE	
INTERCEPT	319.41751						
MILES	3	0.04477	0.013	0.191	3.359	0.001	0.890164
DDAYS	5	0.85404	0.112	0.432	7.620	-0.000	0.890164

METER NAME - MSA2

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	160.96838	75.18015	0.46705	32.00000	289.00000
3 MILES	775.52961	143.76079	0.18537	342.00000	991.00000
4 POWER	324.29646	52.42518	0.16166	155.00000	426.00000
5 DDAYS	-3.69960	17.12781	-4.62963	-52.00000	21.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1.0000			
MILES	0.2534	1.0000		
POWER	0.5928	0.4230	1.0000	
DDAYS	0.7459	0.3330	0.6486	1.0000

MULTIPLE R	0.6847	STD. ERROR OF EST.	38.3597
MULTIPLE R-SQUARE	0.4689		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	324729.300	2	162364.650	110.342	0.00000
RESIDUAL	367867.300	250	1471.469		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	264.91401					
MILES	3 0.08491	0.018	0.233	4.763	0.000	0.889112
DDAYS	5 1.74787	0.150	0.571	11.682	0.000	0.889112

METER NAME - MSA1

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	160.51969	74.93110	0.46680	32.00000	289.00000
3 MILES	776.06693	142.20037	0.18323	342.00000	991.00000
4 POWER	363.19687	68.43646	0.18843	244.00000	513.00000
5 DDAYS	-3.70866	17.08968	-4.60804	-52.00000	21.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	0.0000		
MILES	3	0.2663	1.0000	
POWER	4	0.7780	0.3785	1.0000
DDAYS	5	0.7451	0.3393	0.7812

MULTIPLE R	0.7905	STD. ERROR OF EST.	42.0818
MULTIPLE R-SQUARE	0.6249		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	740447.700	2	370223.850	209.062	0.00000
RESIDUAL	444490.360	251	1770.878		

VARIABLE		COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT		326.28251					
MILES	3	0.06168	0.020	0.128	3.119	0.002	0.884851
DDAYS	5	2.9507	0.165	0.738	17.951	0.000	0.884851

METER NAME - MSB1

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	159.78968	74.78500	0.46802	32.00000	289.00000
3 MILES	775.32146	143.38081	0.18493	342.00000	991.00000
4 POWER	211.84525	34.61542	0.16340	96.00000	293.00000
5 DDAYS	-3.94048	16.99239	-4.31227	-52.00000	21.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	1.0000		
MILES	3	0.2625	1.0000	
POWER	4	0.2792	0.0603	1.0000
DDAYS	5	0.7408	0.3413	0.2596

MULTIPLE R	0.2613	STD. ERROR OF EST.	33.5463
MULTIPLE R-SQUARE	0.0683		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	20542.065	2	10271.032	9.127	0.00015
RESIDUAL	280212.910	249	1125.353		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	220.01645					
MILES	-0.00774	0.016	-0.032	-0.493	0.623	0.883505
DDAYS	0.55113	0.133	0.271	4.157	0.000	0.883505

METER NAME - MSB2

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	160.79216	74.90992	0.46588	32.00000	289.00000
3 MILES	774.75294	143.46292	0.18517	342.00000	991.00000
4 POWER	241.41176	23.31180	0.09656	194.00000	298.00000
5 DDAYS	-3.67843	17.06283	-4.63862	-52.00000	21.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	1.0000		
MILES	3	0.2545	1.0000	
POWER	4	0.5528	0.3787	1.0000
DDAYS	5	0.7452	0.3314	0.3789

MULTIPLE R 0.4642 STD. ERROR OF EST. 20.7292
 MULTIPLE R-SQUARE 0.2155

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	29749.966	2	14874.983	34.617	0.00000
RESIDUAL	108283.810	252	429.698		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	207.05011					
MILES 3	0.04620	0.010	0.284	4.808	0.000	0.890164
DDAYS 5	0.38005	0.081	0.285	4.814	0.000	0.890164

METER NAME - MSB3

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	160.79216	74.90992	0.46588	32.00000	289.00000
3 MILES	774.75294	143.46292	0.18517	342.00000	991.00000
4 POWER	256.55687	40.21541	0.15675	183.00000	336.00000
5 DDAYS	-3.67843	17.06283	-4.63862	-52.00000	21.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1.0000			
MILES	0.2545	1.0000		
POWER	0.5431	0.3705	1.0000	
DDAYS	0.7452	0.3314	0.6259	1.0000

MULTIPLE R	0.6493	STD. ERROR OF EST.	30.7050
MULTIPLE R-SQUARE	0.4216		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F, RATIO	P(TAIL)
REGRESSION	173204.430	2	86602.215	91.857	0.00000
RESIDUAL	237584.500	252	942.796		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	221.67649					
MILES	3 0.05135	0.014	0.183	3.607	0.000	0.890164
DDAYS	5 1.33215	0.120	0.565	11.131	0.000	0.890164

METER NAME - MSB4

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	163.90763	73.12845	0.44616	36.00000	289.00000
3 MILES	780.42976	141.46154	0.18126	109.00000	991.00000
4 POWER	118.27710	96.05462	0.81212	24.00000	590.00000
5 DDAYS	-2.57028	15.87946	-6.17810	-49.00000	21.00000

CORRELATION MATRIX

	DATE	MILES	POWER	DDAYS
	1	3	4	5
DATE	1	1.0000		
MILES	3	0.1887	1.0000	
POWER	4	-0.6570	-0.0665	1.0000
DDAYS	5	0.7232	0.2217	-0.7713

MULTIPLE R	0.7787	STD. ERROR OF EST.	60.5121
MULTIPLE R-SQUARE	0.6063		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	1387387.300	2	693693.660	189.445	0.00000
RESIDUAL	900782.340	246	3661.717		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	47.66217					
MILES	3	0.07463	0.110	2.679	0.008	0.950831
DDAYS	5	-4.81217	0.248	-0.796	-19.394	0.000

METER NAME - MSB5

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	162.57258	73.86131	0.45433	32.00000	289.00000
3 MILES	783.75809	134.20330	0.17123	342.00000	991.00000
4 POWER	116.89919	28.47660	0.24360	19.00000	202.00000
5 DDAYS	-2.93952	16.28691	-5.54068	-49.00000	21.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	1.0000		
MILES	3	0.2109	1.0000	
POWER	4	-0.6883	-0.1829	1.0000
DDAYS	5	0.7314	0.2542	-0.8740

MULTIPLE R	0.8749	STD. ERROR OF EST.	13.8468
MULTIPLE R-SQUARE	0.7655		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	153321.860	2	76660.930	399.832	0.00000
RESIDUAL	46974.580	245	191.733		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	105.38414					
MILES	3	0.00889	0.007	0.042	1.310	0.191
DDAYS	5	-1.54671	0.056	-0.885	-27.653	0.000

METER NAME - MSB6

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	161.69170	74.50434	0.46078	32.00000	289.00000
3 MILES	777.60078	140.35631	0.18050	342.00000	991.00000
4 POWER	102.48617	24.09400	0.23510	60.00000	189.00000
5 DDAYS	-3.32806	16.66164	-5.00641	-49.00000	21.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1.0000			
MILES	0.2319	1.0000		
POWER	-0.7599	-0.1225	1.0000	
DDAYS	0.7412	0.2954	-0.7655	1.0000

MULTIPLE R	0.7731	STD. ERROR OF EST.	15.3434
MULTIPLE R-SQUARE	0.5977		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	87435.899	2	43717.950	185.701	0.00000
RESIDUAL	58855.334	250	235.421		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	83.48696					
MILES	0.01949	0.007	0.114	2.704	0.007	0.912713
DDAYS	-1.15541	0.061	-0.799	-19.028	0.000	0.912713

METER NAME - MSB7

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	163.10801	73.80627	0.45250	32.00000	289.00000
3 MILES	781.84801	135.67221	0.17353	342.00000	991.00000
4 POWER	82.89600	20.54824	0.24788	55.00000	159.00000
5 DDAYS	-2.87600	16.23709	-5.64572	-49.00000	21.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	1.0000		
MILES	3	0.1944	1.0000	
POWER	4	-0.4293	-0.0247	1.0000
DDAYS	5	0.7318	0.2437	-0.7297

MULTIPLE R	0.7466	STD. ERROR OF EST.	13.7252
MULTIPLE R-SQUARE	0.5574		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	58605.102	2	29302.551	155.549	0.00000
RESIDUAL	46530.203	247	188.381		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE	
INTERCEPT	60.82038						
MILES	3	0.02465	0.163	3.730	0.000	0.940617	
DDAYS	5	-0.97368	0.055	-0.769	-17.628	0.000	0.940617

METER NAME - MSB8

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	213.57954	66.16155	0.30977	109.00000	289.00000
3 MILES	792.19317	126.74056	0.15999	418.00000	961.00000
4 POWER	113.38636	13.41678	0.11833	53.00000	151.00000
5 DDAYS	1.54545	9.57356	6.19466	-17.00000	20.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	1.0000		
MILES	3	0.0682	1.0000	
POWER	4	-0.2433	0.2215	1.0000
DDAYS	5	0.3215	0.2848	-0.1004

MULTIPLE R	0.2795	STD. ERROR OF EST.	13.0328
MULTIPLE R-SQUARE	0.0781		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	1223.308	2	611.654	3.601	0.03154
RESIDUAL	14437.555	85	169.854		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	90.95150					
MILES	3	0.02881	0.012	0.272	2.505	0.014
DDAYS	5	-0.24928	0.152	-0.178	-1.637	0.105

9.4.6.**REGRESSION RESULTS FOR RED LINE SUPPORT METERS
DURING NON-OPERATING PERIODS**

METER NAME - MSA3

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	160.92742	74.08247	0.46035	32.00000	289.00000
3 MILES	2943.24180	1255.41910	0.42654	267.00000	4295.00000
4 POWER	286.41129	50.42226	0.17605	167.00000	381.00000
5 DDAYS	-11.39516	17.09100	-1.49985	-55.00000	19.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	1.0000		
MILES	3	0.0958	1.0000	
POWER	4	0.4931	0.5824	1.0000
DDAYS	5	0.7486	0.0004	0.3542

MULTIPLE R	0.3542	STD. ERROR OF EST.	47.2486
MULTIPLE R-SQUARE	0.1255		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	78795.676	1	78795.676	35.296	0.00000
RESIDUAL	549178.300	246	2232.432		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE	
INTERCEPT	298.31975						
DDAYS	5	1.04505	0.176	0.354	5.941	-0.000	1.000000

METER NAME - MSA2

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	161.25102	74.93999	0.46474	32.00000	289.00000
3 MILES	2921.64370	1278.82660	0.43771	246.00000	4295.00000
4 POWER	290.19838	51.40004	0.17712	195.00000	388.00000
5 DDAYS	-12.79757	16.61739	-1.29848	-56.00000	11.00000

CORRELATION MATRIX

	DATE	MILES	POWER	DDAYS
	1	3	4	5
DATE	1	1.0000		
MILES	3	0.0956	1.0000	
POWER	4	0.6776	0.1661	1.0000
DDAYS	5	0.7547	0.1018	0.7283

MULTIPLE R	0.7283	STD. ERROR OF EST.	35.2921
MULTIPLE R-SQUARE	0.5305		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	344767.890	1	344767.890	276.804	0.00000
RESIDUAL	305155.360	245	1245.532		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	319.02944					
DDAYS	2.25285	0.135	0.728	16.637	0.000	1.000000

METER NAME - MSA1

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	159.76892	74.45639	0.46603	32.00000	289.00000
3 MILES	2911.25890	1281.43110	0.44016	246.00000	4295.00000
4 POWER	337.88049	77.72542	0.23004	208.00000	496.00000
5 DDAYS	-12.95618	16.71269	-1.28994	-56.00000	11.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	1.0000		
MILES	3	0.1245	1.0000	
POWER	4	0.8243	0.1960	1.0000
DDAYS	5	0.7641	0.1113	0.7666

MULTIPLE R	0.7666	STD. ERROR OF EST.	50.0108
MULTIPLE R-SQUARE	0.5877		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	887542.300	1	887542.300	354.864	0.00000
RESIDUAL	622767.940	249	2501.076		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	384.07124					
DDAYS	3.56515	0.189	0.767	18.838	0.000	1.000000

METER NAME - MSB1

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	160.29388	73.83247	0.46061	32.00000	289.00000
3 MILES	2959.87340	1239.56930	0.41879	279.00000	4295.00000
4 POWER	189.57142	35.27480	0.18608	21.00000	258.00000
5 DDAYS	-12.86939	16.39895	-1.27426	-56.00000	10.00000

CORRELATION MATRIX

	DATE	MILES	POWER	DDAYS
	1	3	4	5
DATE	1	1.0000		
MILES	3	0.1023	1.0000	
POWER	4	0.2273	0.0756	1.0000
DDAYS	5	0.7552	0.0919	0.2064

MULTIPLE R	0.2064	STD. ERROR OF EST.	34.5861
MULTIPLE R-SQUARE	0.0426		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	12935.094	1	12935.094	10.813	0.00116
RESIDUAL	290676.900	243	1196.201		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	195.28531					
DDAYS	0.44399	0.135	0.206	3.288	0.001	1.000000

METER NAME - MSB2

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	161.03213	73.69909	0.45767	32.00000	289.00000
3 MILES	2932.42580	1264.45860	0.43120	238.00000	4295.00000
4 POWER	220.53413	23.26200	0.10548	174.00000	283.00000
5 DDAYS	-12.59036	16.43931	-1.30571	-56.00000	11.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	0.0922	0.5700	0.7568
MILES	3	1.0000	0.1606	0.0685
POWER	4	0.1606	1.0000	0.4163
DDAYS	5	0.0685	0.4163	1.0000

MULTIPLE R	0.4163	STD. ERROR OF EST.	21.1931
MULTIPLE R-SQUARE	0.1733		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	23258.985	1	23258.985	51.785	0.00000
RESIDUAL	110938.980	247	449.146		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	227.95107					
DDAYS	0.58910	0.082	0.416	7.196	-0.000	1.000000

METER NAME - MSB3

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	160.91235	74.85415	0.46519	32.00000	289.00000
3 MILES	2911.02390	1281.90850	0.44036	262.00000	4295.00000
4 POWER	224.09562	41.12146	0.18350	26.00000	303.00000
5 DDAYS	-13.02390	16.64330	-1.27790	-56.00000	11.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	1.0000		
MILES	3	0.0918	1.0000	
POWER	4	0.5237	0.1280	1.0000
DDAYS	5	0.7502	0.1199	0.5962

MULTIPLE R 0.5962 STD. ERROR OF EST. 33.0810
 MULTIPLE R-SQUARE 0.3554

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	150249.100	1	150249.100	137.295	0.00000
RESIDUAL	272494.610	249	1094.356		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	243.27955					
DDAYS	5 1.47298	0.126	0.596	11.717	0.000	1.000000

METER NAME - MSB4

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	162.77109	73.69154	0.45273	32.00000	289.00000
3 MILES	2916.30940	1276.18420	0.43760	238.00000	4295.00000
4 POWER	132.58634	107.88585	0.81370	65.00000	603.00000
5 DDAYS	-12.34940	16.09706	-1.30347	-56.00000	11.00000

CORRELATION MATRIX

	DATE	MILES	POWER	DDAYS
	1	3	4	5
DATE	1	1.0000		
MILES	3	0.0279	1.0000	
POWER	4	-0.6392	0.0142	1.0000
DDAYS	5	0.7393	0.0333	-0.7622

MULTIPLE R	0.7622	STD. ERROR OF EST.	69.9759
MULTIPLE R-SQUARE	0.5810		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	1677093.500	1	1677093.500	342.500	0.00000
RESIDUAL	1209466.800	247	4896.627		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	69.49758					
DDAYS	-5.10865	0.276	-0.762	-18.507	0.000	1.000000

METER NAME - MSB5

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	161.82927	74.36454	0.45952	32.00000	289.00000
3 MILES	2929.94740	1268.06990	0.43280	262.00000	4295.00000
4 POWER	114.34146	26.72287	0.23371	88.00000	194.00000
5 DDAYS	-12.65447	16.24828	-1.28400	-56.00000	11.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	0.0495	-0.0219	0.7429
MILES	3	1	-0.8959	0.0550
POWER	4	-0.7172	1	0.0550
DDAYS	5	0.7429	0.0550	1

MULTIPLE R 0.8959 STD. ERROR OF EST. 11.8946
 MULTIPLE R-SQUARE 0.8027

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	140435.850	1	140435.850	992.610	0.00000
RESIDUAL	34521.478	244	141.481		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	95.69517					
DDAYS	-1.47349	0.047	-0.896	-31.506	0.000	1.000000

METER NAME - MSB6

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	163.03213	74.22453	0.45528	32.00000	289.00000
3 MILES	2931.91570	1265.50070	0.43163	262.00000	4295.00000
4 POWER	104.05623	27.19517	0.26135	35.00000	194.00000
5 DDAYS	-12.44578	16.23660	-1.30459	-56.00000	11.00000

CORRELATION MATRIX

	DATE	MILES	POWER	DDAYS
	1	3	4	5
DATE	1	1.0000		
MILES	3	0.0351	1.0000	
POWER	4	-0.8168	0.0052	1.0000
DDAYS	5	0.7437	0.0518	-0.7020

MULTIPLE R	0.7020	STD. ERROR OF EST.	19.4066
MULTIPLE R-SQUARE	0.4928		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	90391.121	1	90391.121	240.009	0.00000
RESIDUAL	93024.080	247	376.616		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	89.42219					
DDAYS	-1.17582	0.076	-0.702	-15.492	0.000	1.000000

METER NAME - MSB7

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	162.19355	73.30356	0.45195	32.00000	289.00000
3 MILES	2942.04450	1257.91320	0.42756	238.00000	4295.00000
4 POWER	74.19355	21.27483	0.28675	52.00000	159.00000
5 DDAYS	-12.26613	16.13135	-1.31511	-56.00000	11.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	1.0000		
MILES	3	0.0612	1.0000	
POWER	4	-0.5091	-0.0757	1.0000
DDAYS	5	0.7524	0.0297	-0.7480

MULTIPLE R	0.7480	STD. ERROR OF EST.	14.1497
MULTIPLE R-SQUARE	0.5594		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	62543.828	1	62543.828	312.383	0.00000
RESIDUAL	49252.884	246	200.215		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	62.09368					
DDAYS	-0.98645	0.056	-0.748	-17.674	0.000	1.000000

METER NAME - MSB8

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	213.75295	65.85896	0.30811	110.00000	289.00000
3 MILES	2978.10590	1252.52140	0.42058	372.00000	4165.00000
4 POWER	105.81176	9.96362	0.09416	90.00000	154.00000
5 DDAYS	-7.78824	9.36825	-1.20287	-29.00000	8.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	1.0000		
MILES	3	0.0418	1.0000	
POWER	4	-0.2148	0.0170	1.0000
DDAYS	5	0.3598	0.0444	-0.2372

MULTIPLE R	0.2372	STD. ERROR OF EST.	9.7375
MULTIPLE R-SQUARE	0.0563		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	469.081	1	469.081	4.947	0.02885
RESIDUAL	7869.907	83	94.818		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	103.84720					
DDAYS	-0.25225	0.113	-0.237	-2.224	0.029	1.000000

9.4.7.

**REGRESSION RESULTS FOR BLUE/ORANGE LINE SUPPORT METERS
DURING REVENUE OPERATING PERIODS**

METER NAME - MS13

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	213.97675	65.52520	0.30623	109.00000	289.00000
3 MILES	1996.76740	310.72782	0.15562	1067.00000	2699.00000
4 POWER	110.75581	14.54400	0.13132	48.00000	136.00000
5 DDAYS	1.81395	9.53571	5.25686	-17.00000	20.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	1.0000		
MILES	3	-0.0638	1.0000	
POWER	4	-0.0259	0.5543	1.0000
DDAYS	5	0.3066	0.0261	-0.1053

MULTIPLE R	0.1053	STD. ERROR OF EST.	14.5490
MULTIPLE R-SQUARE	0.0111		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	199.230	1	199.230	0.941	0.33475
RESIDUAL	17780.642	84	211.674		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	111.04705					
DDAYS	-0.16055	0.165	-0.105	-0.970	0.335	1.000000

METER NAME - MS12

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	218.33332	63.69134	0.29172	113.00000	289.00000
3 MILES	1132.23810	196.04768	0.17315	579.00000	1559.00000
4 POWER	54.91667	19.73390	0.35934	0.00000	88.00000
5 DDAYS	1.86905	9.62399	5.14914	-17.00000	20.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	1.0000		
MILES	3	-0.0681	1.0000	
POWER	4	0.3311	0.0808	1.0000
DDAYS	5	0.2669	0.0848	-0.1459

MULTIPLE R	0.1733	STD. ERROR OF EST.	19.6738
MULTIPLE R-SQUARE	0.0300		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	970.796	2	485.398	1.254	0.29082
RESIDUAL	31351.620	81	387.057		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	44.80880					
MILES	3	0.00945	0.011	0.094	0.855	0.395
DDAYS	5	-0.31550	0.225	-0.154	-1.401	0.165

METER NAME - MS11

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	213.52273	66.07588	0.30946	109.00000	289.00000
3 MILES	1129.37500	194.38978	0.17212	596.00000	1559.00000
4 POWER	88.92045	11.17903	0.12572	29.00000	117.00000
5 DDAYS	1.56818	9.56502	6.09943	-17.00000	20.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	1.0000		
MILES	3	-0.0357	1.0000	
POWER	4	0.0999	0.1959	1.0000
DDAYS	5	0.3008	0.0686	-0.2906

MULTIPLE R	0.3623	STD. ERROR OF EST.	10.5416
MULTIPLE R-SQUARE	0.1312		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	1426.875	2	713.438	6.420	0.00253
RESIDUAL	9445.569	85	111.124		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	75.39496					
MILES	3	0.01247	0.006	0.217	2.140	0.035
DDAYS	5	-0.35699	0.118	-0.305	-3.014	0.003

METER NAME - MS10

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	162.84861	73.79085	0.45313	32.00000	289.00000
3 MILES	1118.94820	193.51410	0.17294	579.00000	1559.00000
4 POWER	94.68526	16.52370	0.17451	59.00000	149.00000
5 DDAYS	-2.95219	16.34839	-5.53771	-49.00000	21.00000

CORRELATION MATRIX

	DATE	MILES	POWER	DDAYS
	1	3	4	5
DATE	1	1.0000		
MILES	3	-0.0014	1.0000	
POWER	4	-0.5238	0.2152	1.0000
DDAYS	5	0.7318	-0.0177	-0.6957

MULTIPLE R	0.7246	STD. ERROR OF EST.	11.4328
MULTIPLE R-SQUARE	0.5251		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	35842.369	2	17921.185	137.108	0.00000
RESIDUAL	32415.757	248	130.709		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE	
INTERCEPT	73.23173						
MILES	3	0.01733	0.004	0.203	4.637	0.000	0.999687
DDAYS	5	-0.69949	0.044	-0.692	-15.813	0.000	0.999687

METER NAME - MSD9

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	162.36843	74.12419	0.45652	32.00000	289.00000
3 MILES	1116.68430	194.12710	0.17384	579.00000	1559.00000
4 POWER	115.82996	27.58644	0.23816	24.00000	204.00000
5 DDAYS	-2.98785	16.47676	-5.51458	-49.00000	21.00000

CORRELATION MATRIX

	DATE	MILES	POWER	DDAYS
	1	3	4	5
DATE	1	1.0000		
MILES	3	-0.0085	1.0000	
POWER	4	-0.6547	0.0949	1.0000
DDAYS	5	0.7338	-0.0194	-0.8004

MULTIPLE R	0.8043	STD. ERROR OF EST.	16.4582
MULTIPLE R-SQUARE	0.6470		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	121116.230	2	60558.114	223.568	0.00000
RESIDUAL	66092.606	244	270.871		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE	
INTERCEPT	99.23612						
MILES	3	0.01128	0.005	0.079	2.087	0.038	0.999622
DDAYS	5	-1.33751	0.064	-0.799	-20.998	0.000	0.999622

METER NAME - MSD8

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	160.17600	73.74890	0.46042	32.00000	289.00000
3 MILES	1972.80800	333.00454	0.16880	951.00000	2699.00000
4 POWER	217.77199	21.86028	0.10038	175.00000	274.00000
5 DDAYS	-3.39200	16.91125	-4.98563	-52.00000	21.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	1.0000		
MILES	3	0.0722	1.0000	
POWER	4	0.7859	0.1434	1.0000
DDAYS	5	0.7560	0.0480	0.6009

MULTIPLE R	0.6118	STD. ERROR OF EST.	17.3621
MULTIPLE R-SQUARE	0.3743		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	44534.059	2	22267.030	73.869	0.00000
RESIDUAL	74455.983	247	301.441		

VARIABLE		COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT		205.50847					
MILES	3	0.00754	0.003	0.115	2.279	0.024	0.997695
DDAYS	5	0.76965	0.065	0.595	11.816	0.000	0.997695

METER NAME - MSD7

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	159.70751	74.54354	0.46675	32.00000	289.00000
3 MILES	2009.84580	891.91538	0.44377	951.00000	14999.00000
4 POWER	148.31620	46.79526	0.31551	0.00000	222.00000
5 DDAYS	-3.62846	17.12108	-4.71855	-52.00000	21.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	0.0000		
MILES	3	0.0187	1.0000	
POWER	4	0.3030	-0.1548	1.0000
DDAYS	5	0.7571	0.0494	0.1285

MULTIPLE R	0.2063	STD. ERROR OF EST.	45.9718
MULTIPLE R-SQUARE	0.0425		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	23478.190	2	11739.095	5.555	0.00436
RESIDUAL	528350.480	250	2113.402		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	166.70124					
MILES	-0.00847	0.003	-0.162	-2.607	0.010	0.997560
DDAYS	0.37315	0.169	0.137	2.203	0.028	0.997560

METER NAME - MSD6

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	162.93459	74.72746	0.45863	32.00000	289.00000
3 MILES	1974.20570	336.92528	0.17066	951.00000	2699.00000
4 POWER	102.68224	52.76862	0.51390	2.00000	234.00000
5 DDAYS	-3.59813	17.03841	-4.73535	-52.00000	21.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	1.0000		
MILES	3	-0.0357	1.0000	
POWER	4	0.1969	0.0715	1.0000
DDAYS	5	0.7410	0.0309	0.1118

MULTIPLE R	0.1309	STD. ERROR OF EST.	52.5618
MULTIPLE R-SQUARE	0.0171		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	10164.646	2	5082.323	1.840	0.16142
RESIDUAL	582939.710	211	2762.747		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	82.82980					
MILES	3	0.01068	0.011	0.068	0.998	0.319
DDAYS	5	0.33969	0.211	0.110	1.606	0.110

METER NAME - MSD5

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	160.56640	74.85010	0.46616	32.00000	289.00000
3 MILES	1950.87500	358.40670	0.18372	951.00000	2699.00000
4 POWER	240.75781	48.78006	0.20261	153.00000	346.00000
5 DDAYS	-3.68359	17.02954	-4.62308	-52.00000	21.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	1.0000		
MILES	3	0.0556	1.0000	
POWER	4	0.6842	0.0973	1.0000
DDAYS	5	0.7445	0.0893	0.6541

MULTIPLE R	0.6552	STD. ERROR OF EST.	36.9951
MULTIPLE R-SQUARE	0.4293		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	260506.100	2	130253.050	95.170	0.00000
RESIDUAL	346264.910	253	1368.636		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE	
INTERCEPT	237.20584						
MILES	3	0.00534	0.006	0.039	0.823	0.411	0.992026
DDAYS	5	1.86350	0.137	0.651	13.643	0.000	0.992026

METER NAME - MSD4

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	161.02799	73.83496	0.45852	32.00000	289.00000
3 MILES	1968.70400	336.68270	0.17102	1019.00000	2699.00000
4 POWER	196.05200	25.20234	0.12855	71.00000	258.00000
5 DDAYS	-3.20800	16.76092	-5.22473	-52.00000	21.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	0.0370	0.5098	0.7483
MILES	3	1	0.1580	0.0148
POWER	4	0.1580	1	0.4909
DDAYS	5	0.0148	0.4909	1

MULTIPLE R	0.5135	STD. ERROR OF EST.	21.7125
MULTIPLE R-SQUARE	0.2637		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	41710.004	2	20855.002	44.237	0.00000
RESIDUAL	116444.310	247	471.434		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	176.19111					
MILES	0.01129	0.004	0.151	2.761	0.006	0.999782
DDAYS	0.73482	0.082	0.489	8.950	-0.000	0.999782

METER NAME - MSD3

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	159.22672	73.33150	0.46055	32.00000	288.00000
3 MILES	1980.29950	323.83514	0.16353	985.00000	2699.00000
4 POWER	303.01215	31.27175	0.10320	165.00000	352.00000
5 DDAYS	-3.29555	16.95060	-5.14349	-52.00000	21.00000

CORRELATION MATRIX

	DATE	MILES	POWER	DDAYS
	1	3	4	5
DATE	1	1.0000		
MILES	3	0.0906	1.0000	
POWER	4	0.6968	0.3341	1.0000
DDAYS	5	0.7706	0.0341	0.5789

MULTIPLE R	0.6589	STD. ERROR OF EST.	23.6207
MULTIPLE R-SQUARE	0.4341		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	104431.790	2	52215.894	93.587	0.00000
RESIDUAL	136137.100	244	557.939		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE	
INTERCEPT	246.27487						
MILES	3	0.03040	0.005	0.315	6.532	0.000	0.998841
DDAYS	5	1.04826	0.089	0.568	11.792	0.000	0.998841

METER NAME - MSD2

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	161.41935	73.07166	0.45268	32.00000	289.00000
3 MILES	1980.25410	323.70247	0.16347	1019.00000	2699.00000
4 POWER	252.48790	23.79143	0.09423	83.00000	315.00000
5 D DAYS	-2.85887	16.42478	-5.74520	-49.00000	21.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	1.0000		
MILES	3	0.0264	1.0000	
POWER	4	0.3510	0.1195	1.0000
DDAYS	5	0.7539	-0.0427	0.1624

MULTIPLE R	0.2059	STD. ERROR OF EST.	23.3763
MULTIPLE R-SQUARE	0.0424		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	5929.091	2	2964.546	5.425	0.00495
RESIDUAL	133880.860	245	546.452		

VARIABLE		COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT		234.74417					
MILES	3	0.00931	0.005	0.127	2.025	0.044	0.998174
DDAYS	5	0.24314	0.091	0.168	2.682	0.008	0.998174

METER NAME - MSD1

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	160.91304	74.28581	0.46165	32.00000	289.00000
3 MILES	1961.18180	347.68311	0.17728	951.00000	2699.00000
4 POWER	181.83399	28.84379	0.15863	137.00000	266.00000
5 DDAYS	-3.57312	17.08242	-4.78081	-52.00000	21.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	1.0000		
MILES	3	0.0467	1.0000	
POWER	4	0.5802	0.1807	1.0000
DDAYS	5	0.7470	0.0765	0.5924

MULTIPLE R	0.6078	STD. ERROR OF EST.	22.9961
MULTIPLE R-SQUARE	0.3694		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	77449.756	2	38724.878	73.229	0.00000
RESIDUAL	132205.280	250	528.821		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	163.18189					
MILES	3	0.01130	0.136	2.704	0.007	0.994153
DDAYS	5	0.98273	0.085	11.555	0.000	0.994153

METER NAME - MSC1

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	159.19200	73.70447	0.46299	32.00000	289.00000
3 MILES	1972.48000	333.93940	0.16930	951.00000	2699.00000
4 POWER	284.94400	41.43574	0.14542	115.00000	344.00000
5 DDAYS	-3.48000	17.01315	-4.88884	-52.00000	21.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1.0000			
MILES	0.1100	1.0000		
POWER	0.7802	0.1259	1.0000	
DDAYS	0.7671	0.0634	0.6592	1.0000

MULTIPLE R	0.6646	STD. ERROR OF EST.	31.0865
MULTIPLE R-SQUARE	0.4417		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	188819.980	2	94409.991	97.696	0.00000
RESIDUAL	238693.220	247	966.369		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	269.82518					
MILES	0.01047	0.006	0.084	1.772	0.078	0.995975
DDAYS	1.59250	0.116	0.654	13.725	0.000	0.995975

METER NAME - MSC2

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	157.86179	74.04442	0.46905	32.00000	289.00000
3 MILES	1970.78050	340.39807	0.17272	951.00000	2699.00000
4 POWER	268.73983	41.31449	0.15373	79.00000	431.00000
5 DDAYS	-3.73171	17.31300	-4.63943	-52.00000	21.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	0.0000		
MILES	3	0.1249	1.0000	
POWER	4	0.5722	0.2289	1.0000
DDAYS	5	0.7697	0.0828	0.4300

MULTIPLE R	0.4718	STD. ERROR OF EST.	36.5779
MULTIPLE R-SQUARE	0.2226		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	93067.884	2	46533.942	34.780	0.00000
RESIDUAL	325119.480	243	1337.940		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE	
INTERCEPT	225.86685						
MILES	3	0.02362	0.007	0.195	3.429	0.001	0.993142
DDAYS	5	0.98772	0.135	0.414	7.292	-0.000	0.993142

METER NAME - MSC3

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	160.19444	74.26424	0.46359	32.00000	289.00000
3 MILES	1965.34130	342.08595	0.17406	951.00000	2699.00000
4 POWER	301.93252	38.87173	0.12874	226.00000	406.00000
5 DDAYS	-3.51191	16.95377	-4.82751	-52.00000	21.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	1.0000		
MILES	3	0.0704	1.0000	
POWER	4	0.6327	0.2264	1.0000
DDAYS	5	0.7547	0.0666	0.6560

MULTIPLE R	0.6811	STD. ERROR OF EST.	28.5757
MULTIPLE R-SQUARE	0.4639		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	175937.830	2	87968.917	107.730	0.00000
RESIDUAL	203326.110	249	816.571		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	266.13181					
MILES	3	0.02085	0.184	3.946	0.000	0.995562
DDAYS	5	1.47610	0.107	0.644	13.844	0.000

METER NAME - MSC4

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	160.75600	74.20297	0.46159	32.00000	289.00000
3 MILES	1973.18400	331.92208	0.16822	985.00000	2699.00000
4 POWER	178.08800	15.99348	0.08981	132.00000	241.00000
5 DDAYS	-3.34000	16.85803	-5.04731	-52.00000	21.00000

CORRELATION MATRIX

	DATE	MILES	POWER	DDAYS
	1	3	4	5
DATE	1	1.0000		
MILES	3	0.0501	1.0000	
POWER	4	0.7948	0.1438	1.0000
DDAYS	5	0.7520	0.0384	0.6099

MULTIPLE R	0.6216	STD. ERROR OF EST.	12.5783
MULTIPLE R-SQUARE	0.3864		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	24613.574	2	12306.787	77.786	0.00000
RESIDUAL	39078.504	247	158.213		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE	
INTERCEPT	168.53833						
MILES	3	0.00581	0.002	0.121	2.418	0.016	0.998526
DDAYS	5	0.57418	0.047	0.605	12.134	0.000	0.998526

METER NAME - MSC5

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	159.66932	73.94462	0.46311	32.00000	289.00000
3 MILES	1968.96810	337.88327	0.17160	951.00000	2699.00000
4 POWER	362.18328	39.82279	0.10995	277.00000	453.00000
5 DDAYS	-3.50598	16.98408	-4.84432	-52.00000	21.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	0.0911	0.5427	0.7604
MILES	3	1.0000	0.2737	0.0665
POWER	4	0.2737	1.0000	0.5292
DDAYS	5	0.0665	0.5292	1.0000

MULTIPLE R	0.5807	STD. ERROR OF EST.	32.5516
MULTIPLE R-SQUARE	0.3372		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	133681.330	2	66840.664	63.081	0.00000
RESIDUAL	262782.230	248	1059.606		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	310.81975					
MILES	3	0.02823	0.240	4.623	0.000	0.995572
DDAYS	5	1.20349	0.121	9.906	-0.000	0.995572

METER NAME - MSC6

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	163.28515	73.83828	0.45220	32.00000	289.00000
3 MILES	854.22086	152.55690	0.17859	408.00000	1241.00000
4 POWER	104.75100	7.86749	0.07511	83.00000	128.00000
5 DDAYS	-2.85141	16.22417	-5.68989	-49.00000	21.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1.0000			
MILES	-0.0755	1.0000		
POWER	-0.8402	0.1991	1.0000	
DDAYS	0.7309	-0.0509	-0.7478	1.0000

MULTIPLE R	0.7650	STD. ERROR OF EST.	5.0879
MULTIPLE R-SQUARE	0.5851		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	8982.360	2	4491.180	173.492	0.00000
RESIDUAL	6368.205	246	25.887		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	96.61539					
MILES	0.00833	0.002	0.161	3.927	0.000	0.997407
DDAYS	-0.35862	0.020	-0.740	-17.985	0.000	0.997407

METER NAME - MSC7

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	161.09427	74.59539	0.46305	32.00000	289.00000
3 MILES	852.56968	153.67246	0.18025	440.00000	1241.00000
4 POWER	389.97540	36.52745	0.09367	220.00000	465.00000
5 DDAYS	-3.31148	17.19320	-5.19201	-52.00000	21.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	1.0000		
MILES	3	0.0436	1.0000	
POWER	4	0.6515	0.1675	1.0000
DDAYS	5	0.7634	0.0322	0.5858

MULTIPLE R	0.6044	STD. ERROR OF EST.	29.2220
MULTIPLE R-SQUARE	0.3653		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	118427.860	2	59213.929	69.343	0.00000
RESIDUAL	205796.020	241	853.925		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE	
INTERCEPT	363.91437						
MILES	3	0.03536	0.012	0.149	2.897	0.004	0.998961
DDAYS	5	1.23435	0.109	0.581	11.315	0.000	0.998961

METER NAME - MSE1

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	160.06024	73.12969	0.45689	32.00000	289.00000
3 MILES	1976.73090	327.79653	0.16583	1019.00000	2699.00000
4 POWER	196.81928	19.50257	0.09909	154.00000	230.00000
5 DDAYS	-3.17269	16.78536	-5.29057	-52.00000	21.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	0.0766	0.1501	0.7610
MILES	3	1	0.0095	0.4372
POWER	4	0.7254	1	0.0000
DDAYS	5	0.7610	0.0095	1

MULTIPLE R	0.4372	STD. ERROR OF EST.	17.5755
MULTIPLE R-SQUARE	0.1911		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	18029.263	1	18029.263	58.387	0.00000
RESIDUAL	76297.608	247	308.897		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	198.43089					
DDAYS	0.50796	0.066	0.437	7.640	-0.000	1.000000

METER NAME - MSE2

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	160.56640	74.85010	0.46616	32.00000	289.00000
3 MILES	1950.87500	358.40670	0.18372	951.00000	2699.00000
4 POWER	55.77344	31.08324	0.55731	5.00000	101.00000
5 DDAYS	-3.68359	17.02954	-4.62308	-52.00000	21.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	1.0000		
MILES	3	0.0556	1.0000	
POWER	4	0.8708	0.0819	1.0000
DDAYS	5	0.7445	0.0893	0.6927

MULTIPLE R	0.6927	STD. ERROR OF EST.	22.4629
MULTIPLE R-SQUARE	0.4798		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	118209.490	1	118209.490	234.273	0.00000
RESIDUAL	128163.370	254	504.580		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	60.43064					
DDAYS	5	1.26431	0.083	0.693	15.306	0.000

METER NAME - MSE3

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	159.07570	73.66431	0.46308	32.00000	289.00000
3 MILES	1968.78490	338.35419	0.17186	974.00000	2699.00000
4 POWER	139.28685	24.14236	0.17333	73.00000	192.00000
5 DDAYS	-3.45817	17.02590	-4.92339	-52.00000	21.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	1.0000		
MILES	3	0.1124	1.0000	
POWER	4	0.6488	0.1139	1.0000
DDAYS	5	0.7670	0.0583	0.2561

MULTIPLE R	0.2561	STD. ERROR OF EST.	23.3837
MULTIPLE R-SQUARE	0.0656		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	9560.434	1	9560.434	17.484	0.00004
RESIDUAL	136152.930	249	546.799		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	140.54289					
DDAYS 5	0.36321	0.087	0.256	4.181	0.000	1.000000

METER NAME - MOB

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	161.90514	74.25716	0.45865	32.00000	289.00000
3 MILES	1962.06330	345.27025	0.17597	985.00000	2699.00000
4 POWER	1929.78660	421.72240	0.21853	940.00000	2877.00000
5 DDAYS	-3.18972	16.50047	-5.17301	-49.00000	21.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	1.0000		
MILES	3	0.0086	1.0000	
POWER	4	0.4267	0.5620	1.0000
DDAYS	5	0.7379	0.0144	0.4837

MULTIPLE R	0.7363	STD. ERROR OF EST.	286.4850
MULTIPLE R-SQUARE	0.5422		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	24299727.000	2	12149864.000	148.036	0.00000
RESIDUAL	20518418.000	250	82073.671		

VARIABLE		COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT		638.04585					
MILES	3	0.67813	0.052	0.555	12.972	0.000	0.999793
DDAYS	5	12.15979	1.094	0.476	11.117	0.000	0.999794

METER NAME - MRS

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	160.66938	73.93501	0.46017	32.00000	289.00000
3 MILES	1973.91020	332.24044	0.16832	1019.00000	2699.00000
4 POWER	575.31018	67.12566	0.11668	375.00000	982.00000
5 DDAYS	-3.42041	16.69908	-4.88219	-52.00000	21.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	1.0000		
MILES	3	0.0049	1.0000	
POWER	4	0.2855	0.5406	1.0000
DDAYS	5	0.7385	0.0029	0.1589

MULTIPLE R	0.5630	STD. ERROR OF EST.	55.7034
MULTIPLE R-SQUARE	0.3170		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	348533.390	2	174266.700	56.163	0.00000
RESIDUAL	750895.160	242	3102.873		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE	
INTERCEPT	362.05355						
MILES	3	0.10913	0.011	0.540	10.168	0.000	0.999992
DDAYS	5	0.63236	0.214	0.157	2.961	0.003	0.999992

METER NAME - MGCS

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	211.92045	66.35783	0.31313	109.00000	289.00000
3 MILES	1975.12500	338.69923	0.17148	1019.00000	2699.00000
4 POWER	251.22728	174.85829	0.69602	63.00000	794.00000
5 DDAYS	1.64773	9.49657	5.76343	-17.00000	20.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	1.0000		
MILES	3	0.0285	1.0000	
POWER	4	-0.5510	0.1468	1.0000
DDAYS	5	0.3407	0.0733	-0.5912

MULTIPLE R	0.6212	STD. ERROR OF EST.	138.6341
MULTIPLE R-SQUARE	0.3859		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	1026411.000	2	513205.510	26.702	0.00000
RESIDUAL	1633650.600	85	19219.418		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	74.70500					
MILES	3	0.09867	0.191	2.242	0.028	0.994627
DDAYS	5	-11.14378	1.569	-0.605	-7.101	-0.000

9.4.8.

**REGRESSION RESULTS FOR BLUE/ORANGE LINE SUPPORT METERS
DURING NON-OPERATIONAL PERIODS**

METER NAME - MS13

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	213.75295	65.85896	0.30811	110.00000	289.00000
3 MILES	7022.78810	2926.24980	0.41668	876.00000	10936.00000
4 POWER	151.35294	9.32317	0.06160	130.00000	169.00000
5 DDAYS	-7.78824	9.36825	-1.20287	-29.00000	8.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	1.0000		
MILES	3	-0.0020	1.0000	
POWER	4	0.1114	0.8589	1.0000
DDAYS	5	0.3598	-0.0332	0.1402

MULTIPLE R	0.1402	STD. ERROR OF EST.	9.2865
MULTIPLE R-SQUARE	0.0197		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	143.528	1	143.528	1.664	0.20061
RESIDUAL	7157.884	83	86.240		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	152.43964					
DDAYS	0.13953	0.108	0.140	1.290	0.201	1.000000

METER NAME - MS12

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	218.03750	63.53479	0.29139	114.00000	289.00000
3 MILES	4048.37500	1653.82200	0.40852	374.00000	6320.00000
4 POWER	52.95000	23.36171	0.44120	20.00000	86.00000
5 DDAYS	-7.17500	9.26922	-1.29188	-29.00000	8.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	1.0000		
MILES	3	0.0136	1.0000	
POWER	4	0.3320	0.1722	1.0000
DDAYS	5	0.3224	-0.1183	-0.2720

MULTIPLE R	0.2720	STD. ERROR OF EST.	22.6243
MULTIPLE R-SQUARE	0.0740		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	3190.683	1	3190.683	6.234	0.01464
RESIDUAL	39925.118	78	511.860		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	48.03065					
DDAYS	-0.68562	0.275	-0.272	-2.497	0.015	1.000000

METER NAME - MS11

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	213.75295	65.85896	0.30811	110.00000	289.00000
3 MILES	4013.27060	1677.54400	0.41800	474.00000	6320.00000
4 POWER	91.47059	13.42225	0.14674	68.00000	121.00000
5 DDAYS	-7.78824	9.36825	-1.20287	-29.00000	8.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	1.0000		
MILES	3	-0.0049	1.0000	
POWER	4	0.4207	0.0164	1.0000
DDAYS	5	0.3598	-0.0449	0.2444

MULTIPLE R	0.2444	STD. ERROR OF EST.	13.0934
MULTIPLE R-SQUARE	0.0597		

ANALYSIS OF VARIANCE		SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION		903.977	1	903.977	5.273	0.02418
RESIDUAL		14229.198	83	171.436		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	94.19780					
DDAYS	0.35017	0.152	0.244	2.296	0.024	1.000000

METER NAME - MS10

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	162.55777	74.21482	0.45654	32.00000	289.00000
3 MILES	3927.79290	1685.51870	0.42913	374.00000	6320.00000
4 POWER	83.94422	16.10456	0.19185	43.00000	140.00000
5 DDAYS	-12.54582	16.34775	-1.30304	-56.00000	11.00000

CORRELATION MATRIX

	DATE	MILES	POWER	DDAYS	
	1	3	4	5	
DATE	1	1.0000			
MILES	3	-0.0268	1.0000		
POWER	4	-0.6632	-0.0522	1.0000	
DDAYS	5	0.7449	-0.0310	-0.6600	1.0000

MULTIPLE R	0.6600	STD. ERROR OF EST.	12.1236
MULTIPLE R-SQUARE	0.4356		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	28240.776	1	28240.776	192.138	0.00000
RESIDUAL	36598.442	249	146.982		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	75.78762					
DDAYS	-0.65015	0.047	-0.660	-13.861	0.000	1.000000

METER NAME - MSD9

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	161.48333	75.14822	0.46536	32.00000	289.00000
3 MILES	3915.63750	1678.71640	0.42872	395.00000	6320.00000
4 POWER	116.79999	26.56392	0.22743	80.00000	201.00000
5 DDAYS	-12.85833	16.58567	-1.28988	-56.00000	11.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	1.0000		
MILES	3	-0.0459	1.0000	
POWER	4	-0.7187	0.0268	1.0000
DDAYS	5	0.7467	-0.0334	-0.8134

MULTIPLE R	0.8134	STD. ERROR OF EST.	15.4847
MULTIPLE R-SQUARE	0.6616		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	111581.650	1	111581.650	465.358	0.00000
RESIDUAL	57066.720	238	239.776		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	100.04867					
DDAYS	-1.30276	0.060	-0.813	-21.572	0.000	1.000000

METER NAME - MSD8

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	159.76984	74.62252	0.46706	32.00000	289.00000
3 MILES	6911.16680	2989.40070	0.43255	675.00000	10936.00000
4 POWER	185.85318	23.98518	0.12905	134.00000	242.00000
5 DDAYS	-13.06746	16.73104	-1.28036	-56.00000	11.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	1.0000		
MILES	3	0.0314	1.0000	
POWER	4	0.8295	0.0091	1.0000
DDAYS	5	0.7667	0.0188	0.6184

MULTIPLE R	0.6184	STD. ERROR OF EST.	18.8862
MULTIPLE R-SQUARE	0.3825		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	55225.267	1	55225.267	154.828	0.00000
RESIDUAL	89172.243	250	356.689		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	197.43829					
DDAYS	0.88656	0.071	0.618	12.443	0.000	1.000000

METER NAME - MSD7

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	160.50000	75.18797	0.46846	32.00000	289.00000
3 MILES	6885.95540	3013.49600	0.43763	641.00000	10936.00000
4 POWER	137.18293	40.56784	0.29572	3.00000	214.00000
5 DDAYS	-13.02846	16.90970	-1.29791	-56.00000	11.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	0.0235	0.0535	0.1642
MILES	0.0235	1.0000	0.0046	0.0098
POWER	0.0535	0.0046	1.0000	0.0098
DDAYS	0.1642	0.0098	0.0098	1.0000

MULTIPLE R	0.1642	STD. ERROR OF EST.	40.0991
MULTIPLE R-SQUARE	0.0270		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	10871.621	1	10871.621	6.761	0.00988
RESIDUAL	392337.110	244	1607.939		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	142.31534					
DDAYS	0.39394	0.152	0.164	2.600	0.010	1.000000

METER NAME - MSD6

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	162.27700	74.71344	0.46041	32.00000	289.00000
3 MILES	6915.67600	2997.84090	0.43348	641.00000	10936.00000
4 POWER	95.24413	44.81836	0.47056	4.00000	227.00000
5 DDAYS	-12.96714	16.53538	-1.27518	-56.00000	11.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	1.0000		
MILES	3	-0.0191	1.0000	
POWER	4	0.1645	0.1251	1.0000
DDAYS	5	0.7397	-0.0026	0.0976

MULTIPLE R	0.0976	STD. ERROR OF EST.	44.7098
MULTIPLE R-SQUARE	0.0095		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	4058.731	1	4058.731	2.030	0.15566
RESIDUAL	421782.590	211	1998.970		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	98.67542					
DDAYS	0.26461	0.186	0.098	1.425	0.156	1.000000

METER NAME - MSD5

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	159.04000	74.77645	0.47017	32.00000	289.00000
3 MILES	6955.97610	2959.03570	0.42539	669.00000	10936.00000
4 POWER	216.69600	49.43329	0.22812	155.00000	365.00000
5 DDAYS	-13.35600	16.64649	-1.24637	-56.00000	10.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	0.0510	0.0286	0.6445
MILES	0.0510	1.0000	0.0286	0.6445
POWER	0.6397	0.0286	1.0000	0.6445
DDAYS	0.7569	0.0544	0.6445	1.0000

MULTIPLE R	0.6445	STD. ERROR OF EST.	37.8728
MULTIPLE R-SQUARE	0.4154		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	252749.810	1	252749.810	176.212	0.00000
RESIDUAL	355719.050	248	1434.351		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	242.25827					
DDAYS	1.91392	0.144	0.645	13.274	0.000	1.000000

METER NAME - MSD4

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	160.17529	75.19719	0.46947	32.00000	289.00000
3 MILES	6839.31860	3039.28520	0.44438	669.00000	10936.00000
4 POWER	175.85658	22.40579	0.12741	144.00000	245.00000
5 DDAYS	-13.06374	16.77080	-1.28377	-56.00000	11.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	1.0000		
MILES	3	0.0203	1.0000	
POWER	4	0.5145	0.0009	1.0000
DDAYS	5	0.7586	0.0199	0.4881

MULTIPLE R	0.4881	STD. ERROR OF EST.	19.5950
MULTIPLE R-SQUARE	0.2382		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	29898.140	1	29898.140	77.867	0.00000
RESIDUAL	95606.688	249	383.963		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	184.37513					
DDAYS	5	0.65208	0.074	0.488	8.824	-0.000

METER NAME - MSD3

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	159.37450	74.50672	0.46749	32.00000	289.00000
3 MILES	6903.21130	2992.69930	0.43352	675.00000	10936.00000
4 POWER	263.88844	28.59181	0.10835	140.00000	314.00000
5 DDAYS	-13.10757	16.75232	-1.27806	-56.00000	11.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	0.0279	0.8070	0.7668
MILES	3	1	-0.0325	0.0172
POWER	4	-0.0325	1	0.6739
DDAYS	5	0.0172	0.6739	1

MULTIPLE R	0.6739	STD. ERROR OF EST.	21.1677
MULTIPLE R-SQUARE	0.4541		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	92802.535	1	92802.535	207.114	0.00000
RESIDUAL	111570.330	249	448.074		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	278.96343					
DDAYS	1.15010	0.080	0.674	14.391	0.000	1.000000

METER NAME - MSD2

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	160.38153	74.11567	0.46212	32.00000	289.00000
3 MILES	6953.12450	2952.04210	0.42456	671.00000	10936.00000
4 POWER	220.05622	21.83398	0.09922	179.00000	291.00000
5 DDAYS	-12.88353	16.71194	-1.29715	-56.00000	11.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	1.0000		
MILES	3	-0.0003	1.0000	
POWER	4	0.4295	0.0433	1.0000
DDAYS	5	0.7633	-0.0110	0.1429

MULTIPLE R	0.1429	STD. ERROR OF EST.	21.6535
MULTIPLE R-SQUARE	0.0204		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	2415.755	1	2415.755	5.152	0.02408
RESIDUAL	115811.480	247	468.872		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	222.46229					
DDAYS	0.18676	0.082	0.143	2.270	0.024	1.000000

METER NAME - MSD1

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	160.18725	74.47626	0.46493	32.00000	289.00000
3 MILES	6935.99990	2969.21430	0.42809	675.00000	10936.00000
4 POWER	157.84064	23.14870	0.14666	6.00000	236.00000
5 DDAYS	-13.01195	16.74120	-1.28660	-56.00000	11.00000

CORRELATION MATRIX

	DATE	MILES	POWER	DDAYS
	1	3	4	5
DATE	1	1.0000		
MILES	3	0.0199	1.0000	
POWER	4	0.6749	-0.0409	1.0000
DDAYS	5	0.7662	0.0119	0.5203

MULTIPLE R	0.5203	STD. ERROR OF EST.	19.8086
MULTIPLE R-SQUARE	0.2707		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	36262.693	1	36262.693	92.417	0.00000
RESIDUAL	97702.909	249	392.381		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	167.20151					
DDAYS	0.71940	0.075	0.520	9.613	-0.000	1.000000

METER NAME - MSC1

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	158.81673	74.18355	0.46710	32.00000	289.00000
3 MILES	6902.39430	2994.37830	0.43382	671.00000	10936.00000
4 POWER	254.28287	40.58822	0.15962	180.00000	319.00000
5 DDAYS	-13.06773	16.75253	-1.28198	-56.00000	11.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	0.0433	0.8517	0.7715
MILES	3	1.0000	0.0024	0.0123
POWER	4	0.0024	1.0000	0.6792
DDAYS	5	0.0123	0.6792	1.0000

MULTIPLE R	0.6792	STD. ERROR OF EST.	29.8480
MULTIPLE R-SQUARE	0.4614		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	190016.240	1	190016.240	213.285	0.00000
RESIDUAL	221834.680	249	890.902		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	275.78814					
DDAYS	1.64568	0.113	0.679	14.604	0.000	1.000000

METER NAME - MSC2

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	158.96638	74.27256	0.46722	32.00000	288.00000
3 MILES	6931.56710	2981.11740	0.43008	671.00000	10936.00000
4 POWER	243.57142	33.71926	0.13844	180.00000	330.00000
5 DDAYS	-13.13866	16.79366	-1.27819	-56.00000	11.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	1.0000		
MILES	3	0.0093	1.0000	
POWER	4	0.7377	0.0649	1.0000
DDAYS	5	0.7676	-0.0091	0.6031

MULTIPLE R	0.6031	STD. ERROR OF EST.	26.9538
MULTIPLE R-SQUARE	0.3637		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	98011.065	1	98011.065	134.908	0.00000
RESIDUAL	171455.290	236	726.505		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	259.48137					
DDAYS	5	1.21093	0.104	0.603	11.615	0.000

METER NAME - MSC3

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	160.26877	74.89595	0.46731	32.00000	289.00000
3 MILES	6886.49430	3009.16350	0.43697	669.00000	10936.00000
4 POWER	272.86562	44.02017	0.16133	203.00000	372.00000
5 DDAYS	-13.09486	16.70350	-1.27558	-56.00000	11.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	1.0000		
MILES	3	0.0171	1.0000	
POWER	4	0.6683	0.1242	1.0000
DDAYS	5	0.7594	0.0220	0.6644

MULTIPLE R	0.6644	STD. ERROR OF EST.	32.9639
MULTIPLE R-SQUARE	0.4415		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	215578.190	1	215578.190	198.394	0.00000
RESIDUAL	272741.160	251	1086.618		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	295.79517					
DDAYS	5	1.75103	0.124	0.664	14.085	0.000

METER NAME - MSC4

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	159.32271	74.43260	0.46718	32.00000	289.00000
3 MILES	6935.21130	2970.85670	0.42837	675.00000	10936.00000
4 POWER	157.18326	19.13213	0.12172	6.00000	236.00000
5 DDAYS	-13.04781	16.76155	-1.28463	-56.00000	11.00000

CORRELATION MATRIX

	DATE	MILES	POWER	DDAYS
	1	3	4	5
DATE	1	1.0000		
MILES	3	0.0441	1.0000	
POWER	4	0.7121	-0.0172	1.0000
DDAYS	5	0.7722	0.0165	0.5497

MULTIPLE R	0.5497	STD. ERROR OF EST.	16.0146
MULTIPLE R-SQUARE	0.3021		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	27649.170	1	27649.170	107.808	0.00000
RESIDUAL	63860.407	249	256.467		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	165.36969					
DDAYS	0.62742	0.060	0.550	10.383	0.000	1.000000

METER NAME - MSC5

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	160.41036	74.30673	0.46323	32.00000	289.00000
3 MILES	6935.90030	2969.42490	0.42812	671.00000	10936.00000
4 POWER	330.11555	41.25722	0.12498	240.00000	429.00000
5 DDAYS	-12.90040	16.68059	-1.29303	-56.00000	11.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	1.0000		
MILES	3	0.0136	1.0000	
POWER	4	0.4749	0.1415	1.0000
DDAYS	5	0.7640	-0.0021	0.4883

MULTIPLE R	0.4883	STD. ERROR OF EST.	36.0767
MULTIPLE R-SQUARE	0.2384		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	101458.850	1	101458.850	77.954	0.00000
RESIDUAL	324080.770	249	1301.529		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE	
INTERCEPT	345.69553						
DDAYS	5	1.20771	0.137	0.488	8.829	-0.000	1.000000

METER NAME - MSC6

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	162.21285	73.96206	0.45596	32.00000	289.00000
3 MILES	3028.77510	1282.70020	0.42350	289.00000	5031.00000
4 POWER	82.68273	9.48002	0.11466	65.00000	111.00000
5 DDAYS	-12.56627	16.40407	-1.30541	-56.00000	11.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	1.0000		
MILES	3	-0.0640	1.0000	
POWER	4	-0.8541	-0.2258	1.0000
DDAYS	5	0.7521	-0.0659	-0.7237

MULTIPLE R	0.7237	STD. ERROR OF EST.	6.5558
MULTIPLE R-SQUARE	0.5237		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	11672.309	1	11672.309	271.586	0.00000
RESIDUAL	10615.628	247	42.978		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	77.42731					
DDAYS	-0.41822	0.025	-0.724	-16.480	0.000	1.000000

METER NAME - MSC7

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	162.06173	74.91869	0.46228	32.00000	289.00000
3 MILES	2976.84770	1322.80590	0.44436	297.00000	5031.00000
4 POWER	349.48560	30.76442	0.08803	286.00000	423.00000
5 DDAYS	-12.70370	16.89401	-1.32985	-56.00000	11.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	1.0000		
MILES	3	0.0126	1.0000	
POWER	4	0.6916	-0.1116	1.0000
DDAYS	5	0.7839	-0.0081	0.6427

MULTIPLE R	0.6427	STD. ERROR OF EST.	23.6180
MULTIPLE R-SQUARE	0.4131		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	94608.274	1	94608.274	169.606	0.00000
RESIDUAL	134432.450	241	557.811		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	364.35366					
DDAYS	5 1.17037	0.090	0.643	13.023	0.000	1.000000

METER NAME - MSE1

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	160.77601	74.22920	0.46169	32.00000	289.00000
3 MILES	6960.94390	2948.70150	0.42361	671.00000	10936.00000
4 POWER	175.56400	19.12288	0.10892	139.00000	212.00000
5 DDAYS	-12.84400	16.69005	-1.29944	-56.00000	11.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	1.0000		
MILES	3	0.0033	1.0000	
POWER	4	0.7482	-0.0206	1.0000
DDAYS	5	0.7632	-0.0094	0.4577

MULTIPLE R	0.4577	STD. ERROR OF EST.	17.0369
MULTIPLE R-SQUARE	0.2095		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	19071.979	1	19071.979	65.707	0.00000
RESIDUAL	71983.487	248	290.256		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	182.29905					
DDAYS	0.52437	0.065	0.458	8.106	0.000	1.000000

METER NAME - MSE2

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	156.59999	74.23680	0.47405	32.00000	289.00000
3 MILES	7139.07930	2804.94690	0.39290	641.00000	10936.00000
4 POWER	54.31250	31.06772	0.57202	22.00000	108.00000
5 DDAYS	-13.58750	16.67912	-1.22753	-56.00000	10.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	0.1503	0.8690	0.7620
MILES	3	1.0000	0.1556	0.1128
POWER	4	0.8690	1.0000	0.6920
DDAYS	5	0.7620	0.6920	1.0000

MULTIPLE R	0.6920	STD. ERROR OF EST.	22.4760
MULTIPLE R-SQUARE	0.4788		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	110452.960	1	110452.960	218.645	0.00000
RESIDUAL	120230.610	238	505.171		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	71.82532					
DDAYS	1.28889	0.087	0.692	14.787	0.000	1.000000

METER NAME - MSE3

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	160.71714	74.08646	0.46097	32.00000	289.00000
3 MILES	6935.76510	2969.71240	0.42817	641.00000	10936.00000
4 POWER	141.24701	23.06328	0.16328	99.00000	196.00000
5 DDAYS	-12.79681	16.67341	-1.30293	-56.00000	11.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	1.0000		
MILES	3	0.0049	1.0000	
POWER	4	0.6554	0.0279	1.0000
DDAYS	5	0.7618	-0.0153	0.2539

MULTIPLE R	0.2539	STD. ERROR OF EST.	22.3524
MULTIPLE R-SQUARE	0.0645		

ANALYSIS OF VARIANCE		SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION		8570.758	1	8570.758	17.154	0.00005
RESIDUAL		124407.950	249	499.630		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	145.74084					
DDAYS	0.35117	0.085	0.254	4.142	0.000	1.000000

METER NAME - MOB

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	161.43825	74.64861	0.46240	32.00000	289.00000
3 MILES	6933.19530	2974.98850	0.42909	669.00000	10936.00000
4 POWER	1474.25100	296.62801	0.20121	864.00000	2459.00000
5 DDAYS	-12.85657	16.43592	-1.27841	-56.00000	11.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1.0000			
MILES	-0.0154	1.0000		
POWER	0.4189	0.2720	1.0000	
DDAYS	0.7490	-0.0072	0.5158	1.0000

MULTIPLE R	0.5158	STD. ERROR OF EST.	254.6366
MULTIPLE R-SQUARE	0.2660		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	5851936.500	1	5851936.500	90.252	0.00000
RESIDUAL	16145107.000	249	64839.787		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	1593.92810					
DDAYS	9.30863	0.980	0.516	9.500	-0.000	1.000000

METER NAME - MRS

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	158.77178	74.41915	0.46872	32.00000	288.00000
3 MILES	6981.24070	2931.41530	0.41990	837.00000	10936.00000
4 POWER	521.82156	49.20109	0.09429	426.00000	670.00000
5 DDAYS	-13.16183	16.86944	-1.28169	-56.00000	11.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	1.0000		
MILES	3	-0.0008	1.0000	
POWER	4	0.2873	0.0905	1.0000
DDAYS	5	0.7683	-0.0103	0.0449

MULTIPLE R	0.0449	STD. ERROR OF EST.	49.2541
MULTIPLE R-SQUARE	0.0020		

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	1172.849	1	1172.849	0.483	0.48754
RESIDUAL	579806.570	239	2425.969		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	523.54633					
DDAYS	5	0.13104	0.188	0.045	0.695	0.488
						1.000000

METER NAME - MGCS

VARIABLE	MEAN	STANDARD DEVIATION	COEFFICIENT OF VARIATION	MINIMUM	MAXIMUM
1 DATE	215.81177	65.34186	0.30277	110.00000	289.00000
3 MILES	4011.52950	1681.24270	0.41910	413.00000	6320.00000
4 POWER	297.55294	245.33886	0.82452	129.00000	895.00000
5 DDAYS	-7.83529	9.41990	-1.20224	-29.00000	8.00000

CORRELATION MATRIX

	DATE 1	MILES 3	POWER 4	DDAYS 5
DATE	1	1.0000		
MILES	3	-0.0715	1.0000	
POWER	4	-0.6082	0.1283	1.0000
DDAYS	5	0.3274	-0.0329	-0.5708

MULTIPLE R 0.5708 STD. ERROR OF EST. 202.6492
 MULTIPLE R-SQUARE 0.3259

ANALYSIS OF VARIANCE

	SUM OF SQUARES	DF	MEAN SQUARE	F RATIO	P(TAIL)
REGRESSION	1647522.400	1	1647522.400	40.118	0.00000
RESIDUAL	3408534.600	83	41066.682		

VARIABLE	COEFFICIENT	STD. ERROR	STD. REG COEFF	T	P(2 TAIL)	TOLERANCE
INTERCEPT	181.06387					
DDAYS	-14.86722	2.347	-0.571	-6.334	-0.000	1.000000

9.5. NORMAL AND CATCH-UP OPERATION - TPS STATION SUMMARIES

Tables in subsection 9.5.1 through 9.5.2 contain the TPS station summaries for normal and catch-up operations.

9.5.1.

NORMAL OPERATION - TPS STATION SUMMARIES

STATION SUMMARY

WMATA-CAM-P5-VAVE-6 CARS
RED LINE AM PEAK OUTBND

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
	MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
DUPONT CIRCL TO FARRAGUT NOR	0.51	1.51	20.40	26.72	8.69	26.72	8.69	0.00	0.00
FARRAGUT NOR TO METRO CENTER	0.78	1.90	24.76	22.52	4.79	22.52	4.79	0.00	0.00
METRO CENTER TO GALLERY PL	0.29	1.10	15.57	16.56	9.68	16.56	9.68	0.00	0.00
GALLERY PL TO JUDICIARY SQ	0.37	1.25	17.90	18.79	8.41	18.79	8.41	0.00	0.00
JUDICIARY SQ TO UNION STATN	0.65	1.85	21.09	29.59	7.57	29.59	7.57	0.00	0.00
UNION STATN TO RHODE ISLND	1.76	3.08	34.30	65.19	6.16	65.19	6.16	0.00	0.00
RHODE ISLND TO BROOKLAND	0.86	1.72	30.13	35.02	6.77	35.02	6.77	0.00	0.00
BROOKLAND TO FORT TOTTEN	1.35	2.20	36.73	52.08	6.45	52.08	6.45	0.00	0.00
FORT TOTTEN TO TAKOMA	1.90	2.72	41.93	72.45	6.35	72.45	6.35	0.00	0.00
TAKOMA TO SILVER SPRNG	1.42	1.80	47.21	53.15	6.24	53.15	6.24	0.00	0.00
	9.89	19.13	31.04	392.06	6.60	392.06	6.60	0.00	0.00

STATION SUMMARY

WMATA-CAM-P5-VAVE-6 CARS
RED LINE AM PEAK INBND

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
	MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
SILVER SPRNG TO TAKOMA	1.42	2.28	37.26	42.22	4.96	42.22	4.96	0.00	0.00
TAKOMA TO FORT TOTTEN	1.90	2.56	44.51	43.11	3.78	43.11	3.78	0.00	0.00
FORT TOTTEN TO BROOKLAND	1.35	2.13	37.85	44.75	5.54	44.75	5.54	0.00	0.00
BROOKLAND TO RHODE ISLND	0.86	1.70	30.44	39.55	7.64	39.55	7.64	0.00	0.00
RHODE ISLND TO UNION STATN	1.76	2.79	37.98	39.59	3.74	39.59	3.74	0.00	0.00
UNION STATN TO JUDICIARY SQ	0.65	1.74	22.51	27.09	6.93	27.09	6.93	0.00	0.00
JUDICIARY SQ TO GALLERY PL	0.37	1.25	17.90	17.32	7.76	17.32	7.76	0.00	0.00
GALLERY PL TO METRO CENTER	0.29	1.28	13.34	18.47	10.80	18.47	10.80	0.00	0.00
METRO CENTER TO FARRAGUT NOR	0.78	1.92	24.43	32.54	6.92	32.54	6.92	0.00	0.00
FARRAGUT NOR TO DUPONT CIRCL	0.51	1.01	30.60	20.91	6.79	20.91	6.79	0.00	0.00
	9.89	18.66	31.82	325.56	5.48	325.56	5.48	0.00	0.00

STATION SUMMARY

WMATA-CAM-P5-VAVE-8 CARS
RED LINE AM PEAK OUTBND

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
	MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
DUPONT CIRCL TO FARRAGUT NOR	0.51	1.51	20.40	35.61	8.69	35.61	8.69	0.00	0.00
FARRAGUT NOR TO METRO CENTER	0.78	1.90	24.76	30.01	4.79	30.01	4.79	0.00	0.00
METRO CENTER TO GALLERY PL	0.29	1.10	15.57	22.08	9.68	22.08	9.68	0.00	0.00
GALLERY PL TO JUDICIARY SQ	0.37	1.25	17.90	25.02	8.41	25.02	8.41	0.00	0.00
JUDICIARY SQ TO UNION STATN	0.65	1.85	21.09	39.41	7.57	39.41	7.57	0.00	0.00
UNION STATN TO RHODE ISLND	1.76	3.08	34.30	86.64	6.14	86.64	6.14	0.00	0.00
RHODE ISLND TO BROOKLAND	0.86	1.72	30.13	46.63	6.76	46.63	6.76	0.00	0.00
BROOKLAND TO FORT TOTTEN	1.35	2.20	36.74	69.21	6.43	69.21	6.43	0.00	0.00
FORT TOTTEN TO TAKOMA	1.90	2.72	41.93	95.90	6.31	95.90	6.31	0.00	0.00
TAKOMA TO SILVER SPRNG	1.42	1.80	47.22	70.49	6.21	70.49	6.21	0.00	0.00
	9.89	19.12	31.04	521.01	6.58	521.01	6.58	0.00	0.00

STATION SUMMARY

WMATA-CAM-P5-VAVE-8 CARS
RED LINE AM PEAK INBND

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
	MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
SILVER SPRNG TO TAKOMA	1.42	2.28	37.26	56.13	4.95	56.13	4.95	0.00	0.00
TAKOMA TO FORT TOTTEN	1.90	2.56	44.52	57.39	3.77	57.39	3.77	0.00	0.00
FORT TOTTEN TO BROOKLAND	1.35	2.13	37.85	59.62	5.54	59.62	5.54	0.00	0.00
BROOKLAND TO RHODE ISLND	0.86	1.70	30.44	52.59	7.62	52.59	7.62	0.00	0.00
RHODE ISLND TO UNION STATN	1.76	2.79	37.98	52.76	3.74	52.76	3.74	0.00	0.00
UNION STATN TO JUDICIARY SQ	0.65	1.74	22.51	36.10	6.93	36.10	6.93	0.00	0.00
JUDICIARY SQ TO GALLERY PL	0.37	1.25	17.90	23.09	7.76	23.09	7.76	0.00	0.00
GALLERY PL TO METRO CENTER	0.29	1.28	13.34	24.63	10.80	24.63	10.80	0.00	0.00
METRO CENTER TO FARRAGUT NOR	0.78	1.92	24.43	43.27	6.91	43.27	6.91	0.00	0.00
FARRAGUT NOR TO DUPONT CIRCL	0.51	1.01	30.60	27.88	6.79	27.88	6.79	0.00	0.00
	9.89	18.66	31.82	433.46	5.48	433.46	5.48	0.00	0.00

STATION SUMMARY

WMATA-CAM-P5-VAVE-6 CARS
RED LINE MIDDAY OUTBND

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
	MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
DUPONT CIRCL TO FARRAGUT NOR	0.51	1.51	20.40	26.83	8.73	26.83	8.73	0.00	0.00
FARRAGUT NOR TO METRO CENTER	0.78	1.90	24.76	23.37	4.97	23.37	4.97	0.00	0.00
METRO CENTER TO GALLERY PL	0.29	1.10	15.57	17.37	10.16	17.37	10.16	0.00	0.00
GALLERY PL TO JUDICIARY SQ	0.37	1.25	17.90	19.67	8.81	19.67	8.81	0.00	0.00
JUDICIARY SQ TO UNION STATN	0.65	1.85	21.09	30.82	7.89	30.82	7.89	0.00	0.00
UNION STATN TO RHODE ISLND	1.76	3.09	34.30	66.66	6.30	66.66	6.30	0.00	0.00
RHODE ISLND TO BROOKLAND	0.86	1.72	30.12	36.37	7.03	36.37	7.03	0.00	0.00
BROOKLAND TO FORT TOTTEN	1.35	2.20	36.72	53.30	6.60	53.30	6.60	0.00	0.00
FORT TOTTEN TO TAKOMA	1.90	2.72	41.91	73.28	6.43	73.28	6.43	0.00	0.00
TAKOMA TO SILVER SPRNG	1.42	1.80	47.19	53.86	6.32	53.86	6.32	0.00	0.00
	9.89	19.13	31.03	401.52	6.76	401.52	6.76	0.00	0.00

STATION SUMMARY

WMATA-CAM-P5-VAVE-6 CARS
RED LINE MIDDAY INBND

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
	MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
SILVER SPRNG TO TAKOMA	1.42	2.28	37.26	42.22	4.96	42.22	4.96	0.00	0.00
TAKOMA TO FORT TOTTEN	1.90	2.54	44.86	41.02	3.60	41.02	3.60	0.00	0.00
FORT TOTTEN TO BROOKLAND	1.35	2.13	37.90	42.36	5.25	42.36	5.25	0.00	0.00
BROOKLAND TO RHODE ISLND	0.86	1.70	30.47	36.60	7.07	36.60	7.07	0.00	0.00
RHODE ISLND TO UNION STATN	1.76	2.78	38.01	37.39	3.53	37.39	3.53	0.00	0.00
UNION STATN TO JUDICIARY SQ	0.65	1.74	22.51	25.05	6.41	25.05	6.41	0.00	0.00
JUDICIARY SQ TO GALLERY PL	0.37	1.25	17.90	16.19	7.25	16.19	7.25	0.00	0.00
GALLERY PL TO METRO CENTER	0.29	1.28	13.34	17.84	10.43	17.84	10.43	0.00	0.00
METRO CENTER TO FARRAGUT NOR	0.78	1.92	24.43	31.55	6.71	31.55	6.71	0.00	0.00
FARRAGUT NOR TO DUPONT CIRCL	0.51	1.01	30.60	20.45	6.64	20.45	6.64	0.00	0.00
	9.89	18.63	31.86	310.65	5.23	310.65	5.23	0.00	0.00

STATION SUMMARY

WMATA-CAM-P5-VAVE-6 CARS
RED LINE PM PEAK OUTBND

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
	MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
DUPONT CIRCL TO FARRAGUT NOR	0.51	1.51	20.40	27.03	8.79	27.03	8.79	0.00	0.00
FARRAGUT NOR TO METRO CENTER	0.78	1.90	24.75	24.51	5.22	24.51	5.22	0.00	0.00
METRO CENTER TO GALLERY PL	0.29	1.10	15.57	17.89	10.46	17.89	10.46	0.00	0.00
GALLERY PL TO JUDICIARY SQ	0.37	1.25	17.90	20.41	9.14	20.41	9.14	0.00	0.00
JUDICIARY SQ TO UNION STATN	0.65	1.85	21.09	32.96	8.44	32.96	8.44	0.00	0.00
UNION STATN TO RHODE ISLND	1.76	3.09	34.29	70.91	6.70	70.91	6.70	0.00	0.00
RHODE ISLND TO BROOKLAND	0.86	1.72	30.06	39.79	7.69	39.79	7.69	0.00	0.00
BROOKLAND TO FORT TOTTEN	1.35	2.20	36.66	56.31	6.98	56.31	6.98	0.00	0.00
FORT TOTTEN TO TAKOMA	1.90	2.73	41.83	77.28	6.78	77.28	6.78	0.00	0.00
TAKOMA TO SILVER SPRNG	1.42	1.81	47.08	56.03	6.58	56.03	6.58	0.00	0.00
	9.89	19.15	31.01	423.12	7.13	423.12	7.13	0.00	0.00

STATION SUMMARY

WMATA-CAM-P5-VAVE-6 CARS
RED LINE PM PEAK INBND

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
	MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
SILVER SPRNG TO TAKOMA	1.42	2.28	37.26	42.22	4.96	42.22	4.96	0.00	0.00
TAKOMA TO FORT TOTTEN	1.90	2.56	44.58	40.87	3.58	40.87	3.58	0.00	0.00
FORT TOTTEN TO BROOKLAND	1.35	2.13	37.91	41.98	5.20	41.98	5.20	0.00	0.00
BROOKLAND TO RHODE ISLND	0.86	1.70	30.47	36.13	6.98	36.13	6.98	0.00	0.00
RHODE ISLND TO UNION STATN	1.76	2.78	38.01	36.71	3.47	36.71	3.47	0.00	0.00
UNION STATN TO JUDICIARY SQ	0.65	1.74	22.51	24.33	6.23	24.33	6.23	0.00	0.00
JUDICIARY SQ TO GALLERY PL	0.37	1.25	17.90	15.64	7.01	15.64	7.01	0.00	0.00
GALLERY PL TO METRO CENTER	0.29	1.28	13.34	17.50	10.24	17.50	10.24	0.00	0.00
METRO CENTER TO FARRAGUT NOR	0.78	1.92	24.43	31.07	6.61	31.08	6.61	0.00	0.00
FARRAGUT NOR TO DUPONT CIRCL	0.51	1.01	30.60	19.92	6.47	19.92	6.47	0.00	0.00
	9.89	18.65	31.84	306.37	5.16	306.37	5.16	0.00	0.00

STATION SUMMARY

WMATA-CAM-P5-VAVE-8 CARS
RED LINE PM PEAK OUTBND

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
	MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
DUPONT CIRCL TO FARRAGUT NOR	0.51	1.51	20.40	36.02	8.79	36.02	8.79	0.00	0.00
FARRAGUT NOR TO METRO CENTER	0.78	1.90	24.75	32.66	5.21	32.66	5.21	0.00	0.00
METRO CENTER TO GALLERY PL	0.29	1.10	15.57	23.86	10.46	23.86	10.46	0.00	0.00
GALLERY PL TO JUDICIARY SQ	0.37	1.25	17.90	27.19	9.13	27.19	9.13	0.00	0.00
JUDICIARY SQ TO UNION STATN	0.65	1.85	21.09	43.91	8.43	43.91	8.43	0.00	0.00
UNION STATN TO RHODE ISLND	1.76	3.09	34.29	94.27	6.68	94.27	6.68	0.00	0.00
RHODE ISLND TO BROOKLAND	0.86	1.72	30.06	52.85	7.66	52.85	7.66	0.00	0.00
BROOKLAND TO FORT TOTTEN	1.35	2.20	36.67	74.85	6.95	74.85	6.95	0.00	0.00
FORT TOTTEN TO TAKOMA	1.90	2.73	41.84	102.39	6.73	102.39	6.73	0.00	0.00
TAKOMA TO SILVER SPRNG	1.42	1.81	47.09	74.38	6.55	74.38	6.55	0.00	0.00
	9.89	19.14	31.01	562.38	7.11	562.38	7.11	0.00	0.00

STATION SUMMARY

WMATA-CAM-P5-VAVE-8 CARS
RED LINE PM PEAK INBND

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
	MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
SILVER SPRNG TO TAKOMA	1.42	2.28	37.26	56.13	4.95	56.13	4.95	0.00	0.00
TAKOMA TO FORT TOTTEN	1.90	2.56	44.58	54.40	3.58	54.40	3.58	0.00	0.00
FORT TOTTEN TO BROOKLAND	1.35	2.13	37.91	55.93	5.20	55.93	5.20	0.00	0.00
BROOKLAND TO RHODE ISLND	0.86	1.70	30.47	48.01	6.96	48.01	6.96	0.00	0.00
RHODE ISLND TO UNION STATN	1.76	2.78	38.01	48.93	3.47	48.93	3.47	0.00	0.00
UNION STATN TO JUDICIARY SQ	0.65	1.74	22.51	32.41	6.22	32.41	6.22	0.00	0.00
JUDICIARY SQ TO GALLERY PL	0.37	1.25	17.90	20.85	7.00	20.85	7.00	0.00	0.00
GALLERY PL TO METRO CENTER	0.29	1.28	13.34	23.34	10.23	23.34	10.23	0.00	0.00
METRO CENTER TO FARRAGUT NOR	0.78	1.92	24.43	41.32	6.60	41.32	6.60	0.00	0.00
FARRAGUT NOR TO DUPONT CIRCL	0.51	1.01	30.60	26.55	6.47	26.55	6.47	0.00	0.00
	9.89	18.65	31.84	407.88	5.15	407.88	5.15	0.00	0.00

STATION SUMMARY

WMATA-CAM-P5-VAVE-6 CARS
RED LINE EVENING OUTBND

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
	MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
DUPONT CIRCL TO FARRAGUT NOR	0.51	1.51	20.40	26.49	8.62	26.49	8.62	0.00	0.00
FARRAGUT NOR TO METRO CENTER	0.78	1.90	24.76	22.52	4.79	22.52	4.79	0.00	0.00
METRO CENTER TO GALLERY PL	0.29	1.10	15.57	16.64	9.73	16.64	9.73	0.00	0.00
GALLERY PL TO JUDICIARY SQ	0.37	1.25	17.90	18.95	8.49	18.95	8.49	0.00	0.00
JUDICIARY SQ TO UNION STATN	0.65	1.85	21.09	30.44	7.79	30.44	7.79	0.00	0.00
UNION STATN TO RHODE ISLND	1.76	3.09	34.30	66.66	6.30	66.66	6.30	0.00	0.00
RHODE ISLND TO BROOKLAND	0.86	1.72	30.12	36.58	7.07	36.58	7.07	0.00	0.00
BROOKLAND TO FORT TOTTEN	1.35	2.20	36.72	53.45	6.62	53.45	6.62	0.00	0.00
FORT TOTTEN TO TAKOMA	1.90	2.72	41.90	73.73	6.47	73.73	6.47	0.00	0.00
TAKOMA TO SILVER SPRNG	1.42	1.81	47.18	53.84	6.32	53.84	6.32	0.00	0.00
	9.89	19.13	31.03	399.29	6.73	399.29	6.73	0.00	0.00

STATION SUMMARY

WMATA-CAM-P5-VAVE-6 CARS
RED LINE EVENING INBND

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
	MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
SILVER SPRNG TO TAKOMA	1.42	2.28	37.26	42.22	4.96	42.22	4.96	0.00	0.00
TAKOMA TO FORT TOTTEN	1.90	2.56	44.58	40.67	3.57	40.67	3.57	0.00	0.00
FORT TOTTEN TO BROOKLAND	1.35	2.13	37.91	41.90	5.19	41.90	5.19	0.00	0.00
BROOKLAND TO RHODE ISLND	0.86	1.70	30.48	35.94	6.95	35.94	6.95	0.00	0.00
RHODE ISLND TO UNION STATN	1.76	2.78	38.02	36.56	3.45	36.56	3.45	0.00	0.00
UNION STATN TO JUDICIARY SQ	0.65	1.74	22.51	24.19	6.19	24.19	6.19	0.00	0.00
JUDICIARY SQ TO GALLERY PL	0.37	1.25	17.90	15.31	6.86	15.31	6.86	0.00	0.00
GALLERY PL TO METRO CENTER	0.29	1.28	13.34	16.67	9.75	16.67	9.75	0.00	0.00
METRO CENTER TO FARRAGUT NOR	0.78	1.92	24.43	29.73	6.33	29.73	6.33	0.00	0.00
FARRAGUT NOR TO DUPONT CIRCL	0.51	1.01	30.60	19.43	6.31	19.43	6.31	0.00	0.00
	9.89	18.65	31.84	302.61	5.10	302.61	5.10	0.00	0.00

STATION SUMMARY

WMATA-CAM-P5-VAVE-6 CARS
 BLUE LINE AM PEAK NAT AIR-DG JUNC

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
	MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
NAT AIRPORT TO CRYSTAL CITY	0.59	1.65	21.40	19.65	5.55	19.65	5.55	0.00	0.00
CRYSTAL CITY TO PENTGON CITY	0.77	1.62	28.53	32.65	7.07	32.65	7.07	0.00	0.00
PENTGON CITY TO PENTAGON	0.63	1.56	24.32	25.64	6.75	25.64	6.75	0.00	0.00
PENTAGON TO ARLNGTON CEM	1.31	2.23	35.21	55.66	7.10	55.66	7.10	0.00	0.00
ARLNGTON CEM TO ROSSLYN	0.94	1.99	28.22	31.97	5.68	31.97	5.68	0.00	0.00
ROSSLYN TO FOGGY BOTTOM	1.37	2.32	35.42	61.03	7.44	61.03	7.44	0.00	0.00
FOGGY BOTTOM TO FARRGUT WEST	0.50	1.42	20.98	26.98	9.04	26.98	9.04	0.00	0.00
FARRGUT WEST TO MCPHERSON SQ	0.38	1.14	19.79	18.42	8.18	18.42	8.18	0.00	0.00
MCPHERSON SQ TO METRO CENTER	0.45	1.56	17.15	17.23	6.45	17.23	6.45	0.00	0.00
METRO CENTER TO FED TRIANGLE	0.31	1.27	14.63	15.88	8.54	15.88	8.54	0.00	0.00
FED TRIANGLE TO SMTHSONIAN	0.38	1.40	16.34	21.73	9.48	21.73	9.48	0.00	0.00
SMTHSONIAN TO L'ENFANT PLZ	0.50	1.36	22.11	18.57	6.18	18.57	6.18	0.00	0.00
L'ENFANT PLZ TO FED CENTR SW	0.33	1.21	16.48	17.13	8.59	17.13	8.59	0.00	0.00
FED CENTR SW TO CAPITOL SOUT	0.58	1.39	24.89	32.59	9.40	32.59	9.40	0.00	0.00
CAPITOL SOUT TO EASTN MARKET	0.51	1.40	21.96	26.39	8.59	26.39	8.59	0.00	0.00
EASTN MARKET TO POTOMAC AVE	0.62	1.50	24.99	26.61	7.12	26.61	7.12	0.00	0.00
POTOMAC AVE TO STADIUM ARMR	0.71	1.64	25.99	26.13	6.13	26.13	6.13	0.00	0.00
STADIUM ARMR TO DG JUNCTION	1.38	1.95	42.42	52.98	6.39	52.98	6.39	0.00	0.00

	12.25	28.61	25.69	527.23	7.17	527.23	7.17	0.00	0.00

DG JUNCTION TO STADIUM ARMR	1.38	2.26	36.71	52.01	6.28	52.01	6.28	0.00	0.00
STADIUM ARMR TO POTOMAC AVE	0.71	1.67	25.48	26.19	6.15	26.19	6.15	0.00	0.00
POTOMAC AVE TO EASTN MARKET	0.62	1.48	25.22	28.34	7.58	28.34	7.58	0.00	0.00
EASTN MARKET TO CAPITOL SOUT	0.51	1.40	21.97	20.00	6.51	20.00	6.51	0.00	0.00
CAPITOL SOUT TO FED CENTR SW	0.58	1.40	24.85	22.43	6.47	22.43	6.47	0.00	0.00
FED CENTR SW TO L'ENFANT PLZ	0.33	1.19	16.70	18.27	9.16	18.27	9.16	0.00	0.00
L'ENFANT PLZ TO SMTHSONIAN	0.50	1.44	20.83	27.44	9.13	27.44	9.13	0.00	0.00
SMTHSONIAN TO FED TRIANGLE	0.38	1.27	18.07	16.43	7.17	16.43	7.17	0.00	0.00
FED TRIANGLE TO METRO CENTER	0.31	1.42	13.08	18.58	10.00	18.58	10.00	0.00	0.00
METRO CENTER TO MCPHERSON SQ	0.45	1.36	19.67	24.99	9.36	24.99	9.36	0.00	0.00
MCPHERSON SQ TO FARRGUT WEST	0.38	1.26	17.85	21.82	9.68	21.82	9.68	0.00	0.00
FARRGUT WEST TO FOGGY BOTTOM	0.50	1.44	20.74	19.06	6.39	19.06	6.39	0.00	0.00
FOGGY BOTTOM TO ROSSLYN	1.37	2.47	33.20	53.20	6.49	53.20	6.49	0.00	0.00
ROSSLYN TO ARLNGTON CEM	0.94	1.98	28.45	39.01	6.93	39.01	6.93	0.00	0.00
ARLNGTON CEM TO PENTAGON	1.31	2.35	33.38	41.34	5.27	41.34	5.27	0.00	0.00
PENTAGON TO PENTGON CITY	0.63	1.41	26.94	30.29	7.98	30.29	7.98	0.00	0.00
PENTGON CITY TO CRYSTAL CITY	0.77	1.67	27.67	28.93	6.27	28.93	6.27	0.00	0.00
CRYSTAL CITY TO NAT AIRPORT	0.59	1.12	31.63	32.12	9.06	32.12	9.06	0.00	0.00

	12.25	28.59	25.71	520.44	7.08	520.44	7.08	0.00	0.00

STATION SUMMARY

WMATA-CAM-P5-VAVE-6 CARS
 BLUE LINE MIDDAY OFF PEAK NAT AIR-D/G JU

	DISTANCE	TIME	SPEED	ENERGY				FUEL		
				MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM
NAT AIRPORT TO CRYSTAL CITY	0.59	1.65	21.40	19.70	5.56	19.70	5.56	0.00	0.00	
CRYSTAL CITY TO PENTGON CITY	0.77	1.62	28.53	32.98	7.14	32.98	7.14	0.00	0.00	
PENTGON CITY TO PENTAGON	0.63	1.56	24.32	25.45	6.70	25.45	6.70	0.00	0.00	
PENTAGON TO ARLNGTON CEM	1.31	2.22	35.23	53.66	6.85	53.66	6.85	0.00	0.00	
ARLNGTON CEM TO ROSSLYN	0.94	1.99	28.23	30.93	5.49	30.93	5.49	0.00	0.00	
ROSSLYN TO FOGGY BOTTOM	1.37	2.31	35.43	57.41	7.00	57.41	7.00	0.00	0.00	
FOGGY BOTTOM TO FARRGUT WEST	0.50	1.42	20.98	25.96	8.70	25.96	8.70	0.00	0.00	
FARRGUT WEST TO MCPHERSON SQ	0.38	1.14	19.79	18.42	8.18	18.42	8.18	0.00	0.00	
MCPHERSON SQ TO METRO CENTER	0.45	1.56	17.15	17.51	6.56	17.51	6.56	0.00	0.00	
METRO CENTER TO FED TRIANGLE	0.31	1.27	14.63	16.12	8.67	16.12	8.67	0.00	0.00	
FED TRIANGLE TO SMTHSONIAN	0.38	1.40	16.34	22.14	9.66	22.14	9.66	0.00	0.00	
SMTHSONIAN TO L'ENFANT PLZ	0.50	1.36	22.11	18.82	6.26	18.82	6.26	0.00	0.00	
L'ENFANT PLZ TO FED CENTR SW	0.33	1.21	16.48	17.46	8.75	17.46	8.75	0.00	0.00	
FED CENTR SW TO CAPITOL SOUT	0.58	1.39	24.89	33.24	9.58	33.24	9.58	0.00	0.00	
CAPITOL SOUT TO EASTN MARKET	0.51	1.40	21.96	26.70	8.69	26.70	8.69	0.00	0.00	
EASTN MARKET TO POTOMAC AVE	0.62	1.50	24.99	26.83	7.18	26.83	7.18	0.00	0.00	
POTOMAC AVE TO STADIUM ARM	0.71	1.64	25.99	26.27	6.17	26.27	6.17	0.00	0.00	
STADIUM ARM TO DG JUNCTION	1.38	1.95	42.42	52.98	6.39	52.98	6.39	0.00	0.00	

	12.25	28.61	25.69	522.57	7.11	522.57	7.11	0.00	0.00	

DG JUNCTION TO STADIUM ARM	1.38	2.26	36.71	52.01	6.28	52.01	6.28	0.00	0.00	
STADIUM ARM TO POTOMAC AVE	0.71	1.67	25.48	26.19	6.15	26.19	6.15	0.00	0.00	
POTOMAC AVE TO EASTN MARKET	0.62	1.48	25.22	27.64	7.39	27.64	7.39	0.00	0.00	
EASTN MARKET TO CAPITOL SOUT	0.51	1.40	21.97	19.13	6.23	19.13	6.23	0.00	0.00	
CAPITOL SOUT TO FED CENTR SW	0.58	1.40	24.85	21.40	6.17	21.40	6.17	0.00	0.00	
FED CENTR SW TO L'ENFANT PLZ	0.33	1.19	16.70	17.56	8.80	17.56	8.80	0.00	0.00	
L'ENFANT PLZ TO SMTHSONIAN	0.50	1.44	20.83	26.55	8.83	26.55	8.83	0.00	0.00	
SMTHSONIAN TO FED TRIANGLE	0.38	1.27	18.07	16.01	6.99	16.01	6.99	0.00	0.00	
FED TRIANGLE TO METRO CENTER	0.31	1.42	13.08	18.50	9.95	18.50	9.95	0.00	0.00	
METRO CENTER TO MCPHERSON SQ	0.45	1.36	19.67	25.09	9.40	25.09	9.40	0.00	0.00	
MCPHERSON SQ TO FARRGUT WEST	0.38	1.26	17.85	21.82	9.68	21.82	9.68	0.00	0.00	
FARRGUT WEST TO FOGGY BOTTOM	0.50	1.44	20.74	19.24	6.45	19.24	6.45	0.00	0.00	
FOGGY BOTTOM TO ROSSLYN	1.37	2.47	33.19	54.10	6.60	54.10	6.60	0.00	0.00	
ROSSLYN TO ARLNGTON CEM	0.94	1.98	28.45	39.68	7.05	39.68	7.05	0.00	0.00	
ARLNGTON CEM TO PENTAGON	1.31	2.35	33.38	42.32	5.40	42.32	5.40	0.00	0.00	
PENTAGON TO PENTGON CITY	0.63	1.41	26.94	30.87	8.13	30.87	8.13	0.00	0.00	
PENTGON CITY TO CRYSTAL CITY	0.77	1.67	27.67	29.11	6.31	29.11	6.31	0.00	0.00	
CRYSTAL CITY TO NAT AIRPORT	0.59	1.12	31.63	32.24	9.09	32.24	9.09	0.00	0.00	

	12.25	28.59	25.71	519.47	7.07	519.48	7.07	0.00	0.00	

STATION SUMMARY

WMATA-CAM-P5-VAVE-6 CARS
 BLUE LINE PM PEAK NAT AIR-D/G JUNCTION

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
				MILES	MIN	MPH	KWH	KWH/CM	KVA
NAT AIRPORT TO CRYSTAL CITY	0.59	1.65	21.40	19.55	5.52	19.55	5.52	0.00	0.00
CRYSTAL CITY TO PENTGON CITY	0.77	1.62	28.53	32.76	7.10	32.76	7.10	0.00	0.00
PENTGON CITY TO PENTAGON	0.63	1.56	24.33	25.28	6.66	25.28	6.66	0.00	0.00
PENTAGON TO ARLNGTON CEM	1.31	2.22	35.24	52.84	6.74	52.84	6.74	0.00	0.00
ARLNGTON CEM TO ROSSLYN	0.94	1.99	28.24	30.54	5.42	30.54	5.42	0.00	0.00
ROSSLYN TO FOGGY BOTTOM	1.37	2.31	35.44	56.44	6.88	56.44	6.88	0.00	0.00
FOGGY BOTTOM TO FARRGUT WEST	0.50	1.42	20.98	25.43	8.52	25.43	8.52	0.00	0.00
FARRGUT WEST TO MCPHERSON SQ	0.38	1.14	19.79	18.51	8.21	18.51	8.21	0.00	0.00
MCPHERSON SQ TO METRO CENTER	0.45	1.56	17.15	17.73	6.64	17.73	6.64	0.00	0.00
METRO CENTER TO FED TRIANGLE	0.31	1.27	14.63	16.37	8.81	16.37	8.81	0.00	0.00
FED TRIANGLE TO SMTHSONIAN	0.38	1.40	16.34	22.67	9.90	22.67	9.90	0.00	0.00
SMTHSONIAN TO L'ENFANT PLZ	0.50	1.36	22.11	19.68	6.55	19.68	6.55	0.00	0.00
L'ENFANT PLZ TO FED CENTR SW	0.33	1.21	16.48	18.43	9.24	18.43	9.24	0.00	0.00
FED CENTR SW TO CAPITOL SOUT	0.58	1.39	24.88	35.00	10.09	35.00	10.09	0.00	0.00
CAPITOL SOUT TO EASTN MARKET	0.51	1.40	21.96	28.45	9.26	28.45	9.26	0.00	0.00
EASTN MARKET TO POTOMAC AVE	0.62	1.50	24.99	27.99	7.49	27.99	7.49	0.00	0.00
POTOMAC AVE TO STADIUM ARMR	0.71	1.64	25.99	27.03	6.34	27.03	6.34	0.00	0.00
STADIUM ARMR TO DG JUNCTION	1.38	1.95	42.42	52.98	6.39	52.98	6.39	0.00	0.00

	12.25	28.61	25.69	527.69	7.18	527.69	7.18	0.00	0.00

DG JUNCTION TO STADIUM ARMR	1.38	2.26	36.71	52.01	6.28	52.01	6.28	0.00	0.00
STADIUM ARMR TO POTOMAC AVE	0.71	1.67	25.48	26.19	6.15	26.19	6.15	0.00	0.00
POTOMAC AVE TO EASTN MARKET	0.62	1.48	25.22	27.46	7.35	27.46	7.35	0.00	0.00
EASTN MARKET TO CAPITOL SOUT	0.51	1.40	21.97	18.85	6.14	18.85	6.14	0.00	0.00
CAPITOL SOUT TO FED CENTR SW	0.58	1.40	24.85	21.06	6.07	21.06	6.07	0.00	0.00
FED CENTR SW TO L'ENFANT PLZ	0.33	1.19	16.70	17.27	8.66	17.27	8.66	0.00	0.00
L'ENFANT PLZ TO SMTHSONIAN	0.50	1.44	20.83	26.03	8.66	26.03	8.66	0.00	0.00
SMTHSONIAN TO FED TRIANGLE	0.38	1.27	18.07	15.78	6.89	15.78	6.89	0.00	0.00
FED TRIANGLE TO METRO CENTER	0.31	1.42	13.08	18.50	9.95	18.50	9.95	0.00	0.00
METRO CENTER TO MCPHERSON SQ	0.45	1.36	19.67	25.20	9.44	25.20	9.44	0.00	0.00
MCPHERSON SQ TO FARRGUT WEST	0.38	1.26	17.85	22.02	9.77	22.02	9.77	0.00	0.00
FARRGUT WEST TO FOGGY BOTTOM	0.50	1.44	20.74	19.81	6.64	19.81	6.64	0.00	0.00
FOGGY BOTTOM TO ROSSLYN	1.37	2.47	33.15	57.13	6.97	57.13	6.97	0.00	0.00
ROSSLYN TO ARLNGTON CEM	0.94	1.98	28.44	42.73	7.59	42.73	7.59	0.00	0.00
ARLNGTON CEM TO PENTAGON	1.31	2.35	33.34	44.66	5.70	44.66	5.70	0.00	0.00
PENTAGON TO PENTGON CITY	0.63	1.41	26.92	33.50	8.82	33.50	8.82	0.00	0.00
PENTGON CITY TO CRYSTAL CITY	0.77	1.67	27.67	29.68	6.43	29.68	6.43	0.00	0.00
CRYSTAL CITY TO NAT AIRPORT	0.59	1.12	31.63	32.50	9.17	32.50	9.17	0.00	0.00

	12.25	28.59	25.71	530.37	7.22	530.37	7.22	0.00	0.00

STATION SUMMARY

WMATA-CAM-P5-VAVE-6 CARS
 BLUE LINE EVENING OFF PEAK NAT AIR-D/G J

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
	MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
NAT AIRPORT TO CRYSTAL CITY	0.59	1.65	21.40	19.55	5.52	19.55	5.52	0.00	0.00
CRYSTAL CITY TO PENTGON CITY	0.77	1.62	28.53	32.28	6.99	32.28	6.99	0.00	0.00
PENTGON CITY TO PENTAGON	0.63	1.56	24.33	24.89	6.55	24.89	6.55	0.00	0.00
PENTAGON TO ARLNGTON CEM	1.31	2.22	35.25	51.67	6.59	51.67	6.59	0.00	0.00
ARLNGTON CEM TO ROSSLYN	0.94	1.99	28.24	29.71	5.28	29.71	5.28	0.00	0.00
ROSSLYN TO FOGGY BOTTOM	1.37	2.31	35.44	55.44	6.76	55.44	6.76	0.00	0.00
FOGGY BOTTOM TO FARRGUT WEST	0.50	1.42	20.98	24.78	8.30	24.78	8.30	0.00	0.00
FARRGUT WEST TO MCPHERSON SQ	0.38	1.14	19.79	17.52	7.77	17.52	7.77	0.00	0.00
MCPHERSON SQ TO METRO CENTER	0.45	1.56	17.15	16.71	6.26	16.71	6.26	0.00	0.00
METRO CENTER TO FED TRIANGLE	0.31	1.27	14.63	15.24	8.20	15.24	8.20	0.00	0.00
FED TRIANGLE TO SMTHSONIAN	0.38	1.40	16.34	21.09	9.21	21.09	9.21	0.00	0.00
SMTHSONIAN TO L'ENFANT PLZ	0.50	1.36	22.11	18.29	6.09	18.29	6.09	0.00	0.00
L'ENFANT PLZ TO FED CENTR SW	0.33	1.21	16.48	17.13	8.59	17.13	8.59	0.00	0.00
FED CENTR SW TO CAPITOL SOUT	0.58	1.39	24.89	32.77	9.45	32.77	9.45	0.00	0.00
CAPITOL SOUT TO EASTN MARKET	0.51	1.40	21.96	26.70	8.69	26.70	8.69	0.00	0.00
EASTN MARKET TO POTOMAC AVE	0.62	1.50	24.99	26.77	7.16	26.77	7.16	0.00	0.00
POTOMAC AVE TO STADIUM ARM	0.71	1.64	25.99	26.23	6.16	26.23	6.16	0.00	0.00
STADIUM ARM TO DG JUNCTION	1.38	1.95	42.42	52.98	6.39	52.98	6.39	0.00	0.00

	12.25	28.61	25.69	509.75	6.94	509.76	6.94	0.00	0.00

DG JUNCTION TO STADIUM ARM	1.38	2.26	36.71	52.01	6.28	52.01	6.28	0.00	0.00
STADIUM ARM TO POTOMAC AVE	0.71	1.67	25.48	26.19	6.15	26.19	6.15	0.00	0.00
POTOMAC AVE TO EASTN MARKET	0.62	1.48	25.22	27.40	7.33	27.40	7.33	0.00	0.00
EASTN MARKET TO CAPITOL SOUT	0.51	1.40	21.97	18.80	6.12	18.80	6.12	0.00	0.00
CAPITOL SOUT TO FED CENTR SW	0.58	1.40	24.85	21.01	6.06	21.01	6.06	0.00	0.00
FED CENTR SW TO L'ENFANT PLZ	0.33	1.19	16.70	17.15	8.60	17.15	8.60	0.00	0.00
L'ENFANT PLZ TO SMTHSONIAN	0.50	1.44	20.83	25.72	8.56	25.72	8.56	0.00	0.00
SMTHSONIAN TO FED TRIANGLE	0.38	1.27	18.07	15.26	6.66	15.26	6.66	0.00	0.00
FED TRIANGLE TO METRO CENTER	0.31	1.42	13.08	17.58	9.46	17.58	9.46	0.00	0.00
METRO CENTER TO MCPHERSON SQ	0.45	1.36	19.67	23.78	8.91	23.78	8.91	0.00	0.00
MCPHERSON SQ TO FARRGUT WEST	0.38	1.26	17.85	20.72	9.20	20.72	9.20	0.00	0.00
FARRGUT WEST TO FOGGY BOTTOM	0.50	1.44	20.74	18.38	6.16	18.38	6.16	0.00	0.00
FOGGY BOTTOM TO ROSSLYN	1.37	2.47	33.20	53.20	6.49	53.20	6.49	0.00	0.00
ROSSLYN TO ARLNGTON CEM	0.94	1.98	28.45	39.41	7.00	39.41	7.00	0.00	0.00
ARLNGTON CEM TO PENTAGON	1.31	2.35	33.38	41.46	5.29	41.46	5.29	0.00	0.00
PENTAGON TO PENTGON CITY	0.63	1.41	26.94	30.41	8.01	30.41	8.01	0.00	0.00
PENTGON CITY TO CRYSTAL CITY	0.77	1.67	27.67	28.84	6.25	28.84	6.25	0.00	0.00
CRYSTAL CITY TO NAT AIRPORT	0.59	1.12	31.63	31.89	9.00	31.89	9.00	0.00	0.00

	12.25	28.59	25.71	509.20	6.93	509.20	6.93	0.00	0.00

STATION SUMMARY

WMATA-CAM-P5-VAVE-6 CARS
ORANGE LINE AM PEAK BALL-NEW CARR

	DISTANCE	TIME	SPEED	ENERGY				FUEL		
				MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM
BALLSTON TO VIRGINIA SQ	0.56	1.60	21.19	22.58	6.68	22.58	6.68	0.00	0.00	
VIRGINIA SQ TO CLARENDON	0.47	1.26	22.33	22.94	8.17	22.94	8.17	0.00	0.00	
CLARENDON TO COURTHOUSE	0.51	1.38	22.05	19.10	6.26	19.10	6.26	0.00	0.00	
COURTHOUSE TO ROSSLYN	1.09	2.31	28.25	23.04	3.53	23.04	3.53	0.00	0.00	
ROSSLYN TO FOGGY BOTTOM	1.37	2.32	35.42	61.03	7.44	61.03	7.44	0.00	0.00	
FOGGY BOTTOM TO FARRGUT WEST	0.50	1.42	20.98	26.98	9.04	26.98	9.04	0.00	0.00	
FARRGUT WEST TO MCPHERSON SQ	0.38	1.14	19.79	18.42	8.18	18.42	8.18	0.00	0.00	
MCPHERSON SQ TO METRO CENTER	0.45	1.56	17.15	17.23	6.45	17.23	6.45	0.00	0.00	
METRO CENTER TO FED TRIANGLE	0.31	1.27	14.63	15.88	8.54	15.88	8.54	0.00	0.00	
FED TRIANGLE TO SMTHSONIAN	0.38	1.40	16.34	21.73	9.48	21.73	9.48	0.00	0.00	
SMTHSONIAN TO L'ENFANT PLZ	0.50	1.36	22.11	18.57	6.18	18.57	6.18	0.00	0.00	
L'ENFANT PLZ TO FED CENTR SW	0.33	1.21	16.48	17.13	8.59	17.13	8.59	0.00	0.00	
FED CENTR SW TO CAPITOL SOUT	0.58	1.39	24.89	32.59	9.40	32.59	9.40	0.00	0.00	
CAPITOL SOUT TO EASTN MARKET	0.51	1.40	21.96	26.39	8.59	26.39	8.59	0.00	0.00	
EASTN MARKET TO POTOMAC AVE	0.62	1.50	24.99	26.61	7.12	26.61	7.12	0.00	0.00	
POTOMAC AVE TO STADIUM ARMR	0.71	1.74	24.50	26.43	6.20	26.43	6.20	0.00	0.00	
STADIUM ARMR TO MINNESOTA AV	2.09	3.45	36.34	75.03	5.99	75.03	5.99	0.00	0.00	
MINNESOTA AV TO DEANWOOD	0.88	1.80	29.45	32.36	6.11	32.36	6.11	0.00	0.00	
DEANWOOD TO CHEVERLY	1.10	1.84	35.79	43.61	6.62	43.61	6.62	0.00	0.00	
CHEVERLY TO LANDOVER	1.83	2.51	43.83	68.90	6.27	68.90	6.27	0.00	0.00	
LANDOVER TO NEW CARRLTON	1.41	2.17	39.10	43.19	5.10	43.19	5.10	0.00	0.00	

	16.57	36.01	27.61	659.72	6.63	659.72	6.63	0.00	0.00	
NEW CARRLTON TO LANDOVER	1.41	2.55	33.20	39.77	4.70	39.77	4.70	0.00	0.00	
LANDOVER TO CHEVERLY	1.83	2.45	44.81	54.24	4.94	54.24	4.94	0.00	0.00	
CHEVERLY TO DEANWOOD	1.10	1.99	33.05	41.55	6.31	41.55	6.31	0.00	0.00	
DEANWOOD TO MINNESOTA AV	0.88	1.66	31.88	37.51	7.08	37.51	7.08	0.00	0.00	
MINNESOTA AV TO STADIUM ARMR	2.09	3.14	39.95	72.35	5.78	72.35	5.78	0.00	0.00	
STADIUM ARMR TO POTOMAC AVE	0.71	1.67	25.48	28.01	6.57	28.01	6.57	0.00	0.00	
POTOMAC AVE TO EASTN MARKET	0.62	1.48	25.22	28.34	7.58	28.34	7.58	0.00	0.00	
EASTN MARKET TO CAPITOL SOUT	0.51	1.40	21.97	20.00	6.51	20.00	6.51	0.00	0.00	
CAPITOL SOUT TO FED CENTR SW	0.58	1.40	24.85	22.43	6.47	22.43	6.47	0.00	0.00	
FED CENTR SW TO L'ENFANT PLZ	0.33	1.19	16.70	18.27	9.16	18.27	9.16	0.00	0.00	
L'ENFANT PLZ TO SMTHSONIAN	0.50	1.44	20.83	27.44	9.13	27.44	9.13	0.00	0.00	
SMTHSONIAN TO FED TRIANGLE	0.38	1.27	18.07	16.43	7.17	16.43	7.17	0.00	0.00	
FED TRIANGLE TO METRO CENTER	0.31	1.42	13.08	18.58	10.00	18.58	10.00	0.00	0.00	
METRO CENTER TO MCPHERSON SQ	0.45	1.36	19.67	24.99	9.36	24.99	9.36	0.00	0.00	
MCPHERSON SQ TO FARRGUT WEST	0.38	1.26	17.85	21.82	9.68	21.82	9.68	0.00	0.00	
FARRGUT WEST TO FOGGY BOTTOM	0.50	1.44	20.74	19.06	6.39	19.06	6.39	0.00	0.00	
FOGGY BOTTOM TO ROSSLYN	1.37	2.47	33.20	53.20	6.49	53.20	6.49	0.00	0.00	
ROSSLYN TO COURTHOUSE	1.09	2.16	30.18	62.42	9.56	62.42	9.56	0.00	0.00	
COURTHOUSE TO CLARENDON	0.51	1.38	22.05	30.26	9.91	30.26	9.91	0.00	0.00	
CLARENDON TO VIRGINIA SQ	0.47	1.34	20.94	17.98	6.40	17.98	6.40	0.00	0.00	
VIRGINIA SQ TO BALLSTON	0.56	1.33	25.48	21.74	6.42	21.74	6.42	0.00	0.00	

	16.57	35.82	27.76	676.38	6.80	676.38	6.80	0.00	0.00	

STATION SUMMARY

WMATA-CAM-P5-VAVE-6 CAR\$
ORANGE LINE MIDDAY OFF PEAK BALL-NEW CAR

	DISTANCE	TIME	SPEED	ENERGY				FUEL		
				MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM
BALLSTON TO VIRGINIA SQ	0.56	1.60	21.19	22.03	6.52	22.03	6.52	0.00	0.00	
VIRGINIA SQ TO CLARENDON	0.47	1.26	22.33	21.94	7.81	21.94	7.81	0.00	0.00	
CLARENDON TO COURTHOUSE	0.51	1.38	22.05	18.06	5.92	18.06	5.92	0.00	0.00	
COURTHOUSE TO ROSSLYN	1.09	2.31	28.25	21.91	3.35	21.91	3.35	0.00	0.00	
ROSSLYN TO FOGGY BOTTOM	1.37	2.31	35.43	57.41	7.00	57.41	7.00	0.00	0.00	
FOGGY BOTTOM TO FARRGUT WEST	0.50	1.42	20.98	25.96	8.70	25.96	8.70	0.00	0.00	
FARRGUT WEST TO MCPHERSON SQ	0.38	1.14	19.79	18.42	8.18	18.42	8.18	0.00	0.00	
MCPHERSON SQ TO METRO CENTER	0.45	1.56	17.15	17.51	6.56	17.51	6.56	0.00	0.00	
METRO CENTER TO FED TRIANGLE	0.31	1.27	14.63	16.12	8.67	16.12	8.67	0.00	0.00	
FED TRIANGLE TO SMTHSONIAN	0.38	1.40	16.34	22.14	9.66	22.14	9.66	0.00	0.00	
SMTHSONIAN TO L'ENFANT PLZ	0.50	1.36	22.11	18.82	6.26	18.82	6.26	0.00	0.00	
L'ENFANT PLZ TO FED CENTR SW	0.33	1.21	16.48	17.46	8.75	17.46	8.75	0.00	0.00	
FED CENTR SW TO CAPITOL SOUT	0.58	1.39	24.89	33.24	9.58	33.24	9.58	0.00	0.00	
CAPITOL SOUT TO EASTN MARKET	0.51	1.40	21.96	26.70	8.69	26.70	8.69	0.00	0.00	
EASTN MARKET TO POTOMAC AVE	0.62	1.50	24.99	26.83	7.18	26.83	7.18	0.00	0.00	
POTOMAC AVE TO STADIUM ARM	0.71	1.74	24.50	26.57	6.24	26.57	6.24	0.00	0.00	
STADIUM ARM TO MINNESOTA AV	2.09	3.45	36.33	76.83	6.13	76.83	6.13	0.00	0.00	
MINNESOTA AV TO DEANWOOD	0.88	1.80	29.45	32.55	6.14	32.55	6.14	0.00	0.00	
DEANWOOD TO CHEVERLY	1.10	1.84	35.78	44.33	6.73	44.33	6.73	0.00	0.00	
CHEVERLY TO LANDOVER	1.83	2.51	43.81	68.77	6.26	68.77	6.26	0.00	0.00	
LANDOVER TO NEW CARRLTON	1.41	2.17	39.10	43.42	5.12	43.42	5.12	0.00	0.00	

	16.57	36.01	27.61	657.02	6.61	657.02	6.61	0.00	0.00	

NEW CARRLTON TO LANDOVER	1.41	2.55	33.20	39.77	4.70	39.77	4.70	0.00	0.00	
LANDOVER TO CHEVERLY	1.83	2.45	44.84	54.02	4.92	54.02	4.92	0.00	0.00	
CHEVERLY TO DEANWOOD	1.10	1.99	33.06	41.24	6.26	41.24	6.26	0.00	0.00	
DEANWOOD TO MINNESOTA AV	0.88	1.66	31.90	36.42	6.87	36.42	6.87	0.00	0.00	
MINNESOTA AV TO STADIUM ARM	2.09	3.14	39.96	68.51	5.47	68.51	5.47	0.00	0.00	
STADIUM ARM TO POTOMAC AVE	0.71	1.67	25.48	26.63	6.25	26.63	6.25	0.00	0.00	
POTOMAC AVE TO EASTN MARKET	0.62	1.48	25.22	27.64	7.39	27.64	7.39	0.00	0.00	
EASTN MARKET TO CAPITOL SOUT	0.51	1.40	21.97	19.13	6.23	19.13	6.23	0.00	0.00	
CAPITOL SOUT TO FED CENTR SW	0.58	1.40	24.85	21.40	6.17	21.40	6.17	0.00	0.00	
FED CENTR SW TO L'ENFANT PLZ	0.33	1.19	16.70	17.56	8.80	17.56	8.80	0.00	0.00	
L'ENFANT PLZ TO SMTHSONIAN	0.50	1.44	20.83	26.55	8.83	26.55	8.83	0.00	0.00	
SMTHSONIAN TO FED TRIANGLE	0.38	1.27	18.07	16.01	6.99	16.01	6.99	0.00	0.00	
FED TRIANGLE TO METRO CENTER	0.31	1.42	13.08	18.50	9.95	18.50	9.95	0.00	0.00	
METRO CENTER TO MCPHERSON SQ	0.45	1.36	19.67	25.09	9.40	25.09	9.40	0.00	0.00	
MCPHERSON SQ TO FARRGUT WEST	0.38	1.26	17.85	21.82	9.68	21.82	9.68	0.00	0.00	
FARRGUT WEST TO FOGGY BOTTOM	0.50	1.44	20.74	19.24	6.45	19.24	6.45	0.00	0.00	
FOGGY BOTTOM TO ROSSLYN	1.37	2.47	33.19	54.10	6.60	54.10	6.60	0.00	0.00	
ROSSLYN TO COURTHOUSE	1.09	2.16	30.18	63.26	9.68	63.26	9.68	0.00	0.00	
COURTHOUSE TO CLARENDON	0.51	1.38	22.05	30.63	10.03	30.63	10.03	0.00	0.00	
CLARENDON TO VIRGINIA SQ	0.47	1.34	20.94	18.13	6.46	18.13	6.46	0.00	0.00	
VIRGINIA SQ TO BALLSTON	0.56	1.33	25.48	21.84	6.45	21.84	6.45	0.00	0.00	

	16.57	35.81	27.77	667.51	6.71	667.51	6.71	0.00	0.00	

STATION SUMMARY

WMATA-CAM-P5-VAVE-6 CARS
ORANGE LINE PM PEAK BALL-NEW CARR

		DISTANCE	TIME	SPEED	ENERGY				FUEL	
		MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
BALLSTON	TO VIRGINIA SQ	0.56	1.60	21.19	21.97	6.50	21.97	6.50	0.00	0.00
VIRGINIA SQ	TO CLARENDON	0.47	1.26	22.33	21.69	7.72	21.69	7.72	0.00	0.00
CLARENDON	TO COURTHOUSE	0.51	1.38	22.05	17.84	5.84	17.84	5.84	0.00	0.00
COURTHOUSE	TO ROSSLYN	1.09	2.31	28.25	21.62	3.31	21.62	3.31	0.00	0.00
ROSSLYN	TO FOGGY BOTTOM	1.37	2.31	35.44	56.44	6.88	56.44	6.88	0.00	0.00
FOGGY BOTTOM	TO FARRGUT WEST	0.50	1.42	20.98	25.43	8.52	25.43	8.52	0.00	0.00
FARRGUT WEST	TO MCPHERSON SQ	0.38	1.14	19.79	18.51	8.21	18.51	8.21	0.00	0.00
MCPHERSON SQ	TO METRO CENTER	0.45	1.56	17.15	17.73	6.64	17.73	6.64	0.00	0.00
METRO CENTER	TO FED TRIANGLE	0.31	1.27	14.63	16.37	8.81	16.37	8.81	0.00	0.00
FED TRIANGLE	TO SMTHSONIAN	0.38	1.40	16.34	22.67	9.90	22.67	9.90	0.00	0.00
SMTHSONIAN	TO L'ENFANT PLZ	0.50	1.36	22.11	19.68	6.55	19.68	6.55	0.00	0.00
L'ENFANT PLZ	TO FED CENTR SW	0.33	1.21	16.48	18.43	9.24	18.43	9.24	0.00	0.00
FED CENTR SW	TO CAPITOL SOUT	0.58	1.39	24.88	35.00	10.09	35.00	10.09	0.00	0.00
CAPITOL SOUT	TO EASTN MARKET	0.51	1.40	21.96	28.45	9.26	28.45	9.26	0.00	0.00
EASTN MARKET	TO POTOMAC AVE	0.62	1.50	24.99	27.99	7.49	27.99	7.49	0.00	0.00
POTOMAC AVE	TO STADIUM ARMR	0.71	1.74	24.50	27.33	6.41	27.33	6.41	0.00	0.00
STADIUM ARMR	TO MINNESOTA AV	2.09	3.45	36.30	80.61	6.43	80.61	6.43	0.00	0.00
MINNESOTA AV	TO DEANWOOD	0.88	1.80	29.44	33.56	6.33	33.56	6.33	0.00	0.00
DEANWOOD	TO CHEVERLY	1.10	1.84	35.76	46.72	7.09	46.72	7.09	0.00	0.00
CHEVERLY	TO LANDOVER	1.83	2.51	43.75	71.70	6.53	71.70	6.53	0.00	0.00
LANDOVER	TO NEW CARRLTON	1.41	2.17	39.10	44.84	5.29	44.84	5.29	0.00	0.00
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		16.57	36.02	27.60	674.61	6.78	674.61	6.78	0.00	0.00
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NEW CARRLTON	TO LANDOVER	1.41	2.55	33.20	39.77	4.70	39.77	4.70	0.00	0.00
LANDOVER	TO CHEVERLY	1.83	2.45	44.85	53.82	4.90	53.82	4.90	0.00	0.00
CHEVERLY	TO DEANWOOD	1.10	1.99	33.06	40.84	6.20	40.84	6.20	0.00	0.00
DEANWOOD	TO MINNESOTA AV	0.88	1.66	31.90	35.79	6.76	35.79	6.76	0.00	0.00
MINNESOTA AV	TO STADIUM ARMR	2.09	3.13	39.98	67.68	5.40	67.68	5.40	0.00	0.00
STADIUM ARMR	TO POTOMAC AVE	0.71	1.67	25.48	26.33	6.18	26.33	6.18	0.00	0.00
POTOMAC AVE	TO EASTN MARKET	0.62	1.48	25.22	27.46	7.35	27.46	7.35	0.00	0.00
EASTN MARKET	TO CAPITOL SOUT	0.51	1.40	21.97	18.85	6.14	18.85	6.14	0.00	0.00
CAPITOL SOUT	TO FED CENTR SW	0.58	1.40	24.85	21.06	6.07	21.06	6.07	0.00	0.00
FED CENTR SW	TO L'ENFANT PLZ	0.33	1.19	16.70	17.27	8.66	17.27	8.66	0.00	0.00
L'ENFANT PLZ	TO SMTHSONIAN	0.50	1.44	20.83	26.03	8.66	26.03	8.66	0.00	0.00
SMTHSONIAN	TO FED TRIANGLE	0.38	1.27	18.07	15.78	6.89	15.78	6.89	0.00	0.00
FED TRIANGLE	TO METRO CENTER	0.31	1.42	13.08	18.50	9.95	18.50	9.95	0.00	0.00
METRO CENTER	TO MCPHERSON SQ	0.45	1.36	19.67	25.20	9.44	25.20	9.44	0.00	0.00
MCPHERSON SQ	TO FARRGUT WEST	0.38	1.26	17.85	22.02	9.77	22.02	9.77	0.00	0.00
FARRGUT WEST	TO FOGGY BOTTOM	0.50	1.44	20.74	19.81	6.64	19.81	6.64	0.00	0.00
FOGGY BOTTOM	TO ROSSLYN	1.37	2.47	33.15	57.13	6.97	57.13	6.97	0.00	0.00
ROSSLYN	TO COURTHOUSE	1.09	2.16	30.19	68.32	10.46	68.32	10.46	0.00	0.00
COURTHOUSE	TO CLARENDON	0.51	1.38	22.05	33.07	10.83	33.07	10.83	0.00	0.00
CLARENDON	TO VIRGINIA SQ	0.47	1.34	20.94	19.59	6.98	19.59	6.98	0.00	0.00
VIRGINIA SQ	TO BALLSTON	0.56	1.33	25.48	22.82	6.74	22.82	6.74	0.00	0.00
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		16.57	35.81	27.77	677.13	6.81	677.13	6.81	0.00	0.00

STATION SUMMARY

WMATA-CAM-P5-VAVE-6 CARS
ORANGE LINE EVENING OFF PEAK BALL-NEW CA

		DISTANCE	TIME	SPEED	ENERGY				FUEL	
		MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
BALLSTON	TO VIRGINIA SQ	0.56	1.60	21.19	21.94	6.49	21.94	6.49	0.00	0.00
VIRGINIA SQ	TO CLARENDON	0.47	1.26	22.33	21.63	7.70	21.63	7.70	0.00	0.00
CLARENDON	TO COURTHOUSE	0.51	1.38	22.05	17.74	5.81	17.74	5.81	0.00	0.00
COURTHOUSE	TO ROSSLYN	1.09	2.31	28.25	21.58	3.30	21.58	3.30	0.00	0.00
ROSSLYN	TO FOGGYBOTTOM	1.37	2.31	35.44	55.44	6.76	55.44	6.76	0.00	0.00
FOGGYBOTTOM	TO FARRGUT WEST	0.50	1.42	20.98	24.78	8.30	24.78	8.30	0.00	0.00
FARRGUT WEST	TO MCPHERSON SQ	0.38	1.14	19.79	17.52	7.77	17.52	7.77	0.00	0.00
MCPHERSON SQ	TO METRO CENTER	0.45	1.56	17.15	16.71	6.26	16.71	6.26	0.00	0.00
METRO CENTER	TO FED TRIANGLE	0.31	1.27	14.63	15.24	8.20	15.24	8.20	0.00	0.00
FED TRIANGLE	TO SMTHSONIAN	0.38	1.40	16.34	21.09	9.21	21.09	9.21	0.00	0.00
SMTHSONIAN	TO L'ENFANT PLZ	0.50	1.36	22.11	18.29	6.09	18.29	6.09	0.00	0.00
L'ENFANT PLZ	TO FED CENTR SW	0.33	1.21	16.48	17.13	8.59	17.13	8.59	0.00	0.00
FED CENTR SW	TO CAPITOL SOUT	0.58	1.39	24.89	32.77	9.45	32.77	9.45	0.00	0.00
CAPITOL SOUT	TO EASTN MARKET	0.51	1.40	21.96	26.70	8.69	26.70	8.69	0.00	0.00
EASTN MARKET	TO POTOMAC AVE	0.62	1.50	24.99	26.77	7.16	26.77	7.16	0.00	0.00
POTOMAC AVE	TO STADIUM ARM	0.71	1.74	24.50	26.53	6.23	26.53	6.23	0.00	0.00
STADIUM ARM	TO MINNESOTA AV	2.09	3.45	36.33	76.83	6.13	76.83	6.13	0.00	0.00
MINNESOTA AV	TO DEANWOOD	0.88	1.80	29.45	32.55	6.14	32.55	6.14	0.00	0.00
DEANWOOD	TO CHEVERLY	1.10	1.84	35.78	44.33	6.73	44.33	6.73	0.00	0.00
CHEVERLY	TO LANDOVER	1.83	2.51	43.81	68.77	6.26	68.77	6.26	0.00	0.00
LANDOVER	TO NEW CARRLTON	1.41	2.17	39.10	43.42	5.12	43.42	5.12	0.00	0.00
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		16.57	36.01	27.61	647.77	6.51	647.77	6.51	0.00	0.00
NEW CARRLTON	TO LANDOVER	1.41	2.55	33.20	39.77	4.70	39.77	4.70	0.00	0.00
LANDOVER	TO CHEVERLY	1.83	2.45	44.86	53.42	4.86	53.42	4.86	0.00	0.00
CHEVERLY	TO DEANWOOD	1.10	1.99	33.06	40.84	6.20	40.84	6.20	0.00	0.00
DEANWOOD	TO MINNESOTA AV	0.88	1.66	31.90	35.71	6.74	35.71	6.74	0.00	0.00
MINNESOTA AV	TO STADIUM ARM	2.09	3.13	39.98	67.47	5.39	67.47	5.39	0.00	0.00
STADIUM ARM	TO POTOMAC AVE	0.71	1.67	25.48	26.28	6.17	26.28	6.17	0.00	0.00
POTOMAC AVE	TO EASTN MARKET	0.62	1.48	25.22	27.40	7.33	27.40	7.33	0.00	0.00
EASTN MARKET	TO CAPITOL SOUT	0.51	1.40	21.97	18.80	6.12	18.80	6.12	0.00	0.00
CAPITOL SOUT	TO FED CENTR SW	0.58	1.40	24.85	21.01	6.06	21.01	6.06	0.00	0.00
FED CENTR SW	TO L'ENFANT PLZ	0.33	1.19	16.70	17.15	8.60	17.15	8.60	0.00	0.00
L'ENFANT PLZ	TO SMTHSONIAN	0.50	1.44	20.83	25.72	8.56	25.72	8.56	0.00	0.00
SMTHSONIAN	TO FED TRIANGLE	0.38	1.27	18.07	15.26	6.66	15.26	6.66	0.00	0.00
FED TRIANGLE	TO METRO CENTER	0.31	1.42	13.08	17.58	9.46	17.58	9.46	0.00	0.00
METRO CENTER	TO MCPHERSON SQ	0.45	1.36	19.67	23.78	8.91	23.78	8.91	0.00	0.00
MCPHERSON SQ	TO FARRGUT WEST	0.38	1.26	17.85	20.72	9.20	20.72	9.20	0.00	0.00
FARRGUT WEST	TO FOGGY BOTTOM	0.50	1.44	20.74	18.38	6.16	18.38	6.16	0.00	0.00
FOGGY BOTTOM	TO ROSSLYN	1.37	2.47	33.20	53.20	6.49	53.20	6.49	0.00	0.00
ROSSLYN	TO COURTHOUSE	1.09	2.16	30.18	62.80	9.61	62.80	9.61	0.00	0.00
COURTHOUSE	TO CLARENDON	0.51	1.38	22.05	30.76	10.07	30.76	10.07	0.00	0.00
CLARENDON	TO VIRGINIA SQ	0.47	1.34	20.94	18.13	6.46	18.13	6.46	0.00	0.00
VIRGINIA SQ	TO BALLSTON	0.56	1.33	25.48	21.84	6.45	21.84	6.45	0.00	0.00
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		16.57	35.81	27.77	656.01	6.60	656.01	6.60	0.00	0.00

9.5.2.

CATCH-UP OPERATION - TPS STATION SUMMARIES

STATION SUMMARY

WMATA-CAM-P5-VAVE-6 CARS
RED LINE AM PEAK OUTBND

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
				MILES	MIN	MPH	KWH	KWH/CM	KVA
DUPONT CIRCL TO FARRAGUT NOR	0.51	1.38	22.34	38.11	12.40	38.11	12.40	0.00	0.00
FARRAGUT NOR TO METRO CENTER	0.78	1.79	26.21	31.26	6.65	31.26	6.65	0.00	0.00
METRO CENTER TO GALLERY PL	0.29	1.04	16.47	21.24	12.42	21.24	12.42	0.00	0.00
GALLERY PL TO JUDICIARY SQ	0.37	1.15	19.46	24.40	10.93	24.40	10.93	0.00	0.00
JUDICIARY SQ TO UNION STATN	0.65	1.68	23.26	35.87	9.18	35.87	9.18	0.00	0.00
UNION STATN TO RHODE ISLND	1.76	2.70	39.17	84.03	7.94	84.03	7.94	0.00	0.00
RHODE ISLND TO BROOKLAND	0.86	1.61	32.06	44.26	8.55	44.26	8.55	0.00	0.00
BROOKLAND TO FORT TOTTEN	1.35	2.00	40.34	62.48	7.74	62.48	7.74	0.00	0.00
FORT TOTTEN TO TAKOMA	1.90	2.53	45.01	81.35	7.13	81.35	7.13	0.00	0.00
TAKOMA TO SILVER SPRNG	1.42	1.65	51.66	64.03	7.52	64.03	7.52	0.00	0.00
	9.89	17.53	33.86	487.01	8.20	487.01	8.20	0.00	0.00

STATION SUMMARY

WMATA-CAM-P5-VAVE-6 CARS
RED LINE AM PEAK INBND

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
				MILES	MIN	MPH	KWH	KWH/CM	KVA
SILVER SPRNG TO TAKOMA	1.42	2.15	39.64	55.56	6.53	55.56	6.53	0.00	0.00
TAKOMA TO FORT TOTTEN	1.90	2.44	46.79	48.96	4.29	48.96	4.29	0.00	0.00
FORT TOTTEN TO BROOKLAND	1.35	2.00	40.39	54.04	6.70	54.04	6.70	0.00	0.00
BROOKLAND TO RHODE ISLND	0.86	1.59	32.48	48.39	9.35	48.39	9.35	0.00	0.00
RHODE ISLND TO UNION STATN	1.76	2.47	42.85	54.27	5.13	54.27	5.13	0.00	0.00
UNION STATN TO JUDICIARY SQ	0.65	1.56	25.03	34.87	8.92	34.87	8.92	0.00	0.00
JUDICIARY SQ TO GALLERY PL	0.37	1.15	19.42	22.67	10.15	22.67	10.15	0.00	0.00
GALLERY PL TO METRO CENTER	0.29	1.22	13.99	23.63	13.82	23.63	13.82	0.00	0.00
METRO CENTER TO FARRAGUT NOR	0.78	1.72	27.38	41.61	8.86	41.61	8.86	0.00	0.00
FARRAGUT NOR TO DUPONT CIRCL	0.51	0.87	35.40	31.79	10.32	31.79	10.32	0.00	0.00
	9.89	17.16	34.59	415.78	7.00	415.78	7.00	0.00	0.00

STATION SUMMARY

WMATA-CAM-P5-VAVE-8 CARS
RED LINE AM PEAK OUTBND

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
	MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
DUPONT CIRCL TO FARRAGUT NOR	0.51	1.38	22.34	50.77	12.39	50.77	12.39	0.00	0.00
FARRAGUT NOR TO METRO CENTER	0.78	1.79	26.21	41.66	6.65	41.66	6.65	0.00	0.00
METRO CENTER TO GALLERY PL	0.29	1.04	16.47	28.32	12.42	28.32	12.42	0.00	0.00
GALLERY PL TO JUDICIARY SQ	0.37	1.15	19.46	32.48	10.91	32.48	10.91	0.00	0.00
JUDICIARY SQ TO UNION STATN	0.65	1.68	23.26	47.78	9.17	47.78	9.17	0.00	0.00
UNION STATN TO RHODE ISLND	1.76	2.70	39.18	111.71	7.92	111.71	7.92	0.00	0.00
RHODE ISLND TO BROOKLAND	0.86	1.61	32.07	58.96	8.55	58.96	8.55	0.00	0.00
BROOKLAND TO FORT TOTTEN	1.35	2.00	40.36	82.80	7.69	82.80	7.69	0.00	0.00
FORT TOTTEN TO TAKOMA	1.90	2.53	45.03	107.65	7.08	107.65	7.08	0.00	0.00
TAKOMA TO SILVER SPRNG	1.42	1.65	51.70	85.01	7.49	85.01	7.49	0.00	0.00
	9.89	17.53	33.87	647.13	8.18	647.13	8.18	0.00	0.00

STATION SUMMARY

WMATA-CAM-P5-VAVE-8 CARS
RED LINE AM PEAK INBND

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
	MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
SILVER SPRNG TO TAKOMA	1.42	2.15	39.65	68.98	6.08	68.98	6.08	0.00	0.00
TAKOMA TO FORT TOTTEN	1.90	2.44	46.80	65.12	4.28	65.12	4.28	0.00	0.00
FORT TOTTEN TO BROOKLAND	1.35	2.00	40.40	71.95	6.69	71.95	6.69	0.00	0.00
BROOKLAND TO RHODE ISLND	0.86	1.59	32.49	63.97	9.27	63.97	9.27	0.00	0.00
RHODE ISLND TO UNION STATN	1.76	2.47	42.85	72.07	5.11	72.07	5.11	0.00	0.00
UNION STATN TO JUDICIARY SQ	0.65	1.56	25.03	46.45	8.92	46.45	8.92	0.00	0.00
JUDICIARY SQ TO GALLERY PL	0.37	1.15	19.42	30.22	10.15	30.22	10.15	0.00	0.00
GALLERY PL TO METRO CENTER	0.29	1.22	13.99	31.50	13.81	31.50	13.81	0.00	0.00
METRO CENTER TO FARRAGUT NOR	0.78	1.72	27.38	55.34	8.83	55.34	8.83	0.00	0.00
FARRAGUT NOR TO DUPONT CIRCL	0.51	0.87	35.40	42.36	10.31	42.36	10.31	0.00	0.00
	9.89	17.16	34.59	547.96	6.92	547.96	6.92	0.00	0.00

STATION SUMMARY

WMATA-CAM-P5-VAVE-6 CARS
RED LINE PM PEAK OUTBND

	DISTANCE ----- MILES	TIME ----- MIN	SPEED ----- MPH	ENERGY -----				FUEL -----	
				KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
DUPONT CIRCL TO FARRAGUT NOR	0.51	1.38	22.33	38.46	12.51	38.46	12.51	0.00	0.00
FARRAGUT NOR TO METRO CENTER	0.78	1.79	26.18	32.86	6.99	32.86	6.99	0.00	0.00
METRO CENTER TO GALLERY PL	0.29	1.04	16.46	23.03	13.47	23.03	13.47	0.00	0.00
GALLERY PL TO JUDICIARY SQ	0.37	1.15	19.44	26.24	11.75	26.24	11.75	0.00	0.00
JUDICIARY SQ TO UNION STATN	0.65	1.68	23.22	39.85	10.20	39.85	10.20	0.00	0.00
UNION STATN TO RHODE ISLND	1.76	2.72	38.95	91.93	8.69	91.93	8.69	0.00	0.00
RHODE ISLND TO BROOKLAND	0.86	1.62	31.86	49.50	9.57	49.50	9.57	0.00	0.00
BROOKLAND TO FORT TOTTEN	1.35	2.02	40.02	68.22	8.45	68.22	8.45	0.00	0.00
FORT TOTTEN TO TAKOMA	1.90	2.55	44.72	86.94	7.62	86.94	7.62	0.00	0.00
TAKOMA TO SILVER SPRNG	1.42	1.66	51.27	68.03	7.99	68.03	7.99	0.00	0.00
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	9.89	17.61	33.71	525.06	8.84	525.06	8.84	0.00	0.00

STATION SUMMARY

WMATA-CAM-P5-VAVE-6 CARS
RED LINE PM PEAK INBND

	DISTANCE ----- MILES	TIME ----- MIN	SPEED ----- MPH	ENERGY -----				FUEL -----	
				KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
SILVER SPRNG TO TAKOMA	1.42	2.15	39.64	55.56	6.53	55.56	6.53	0.00	0.00
TAKOMA TO FORT TOTTEN	1.90	2.43	46.89	46.55	4.08	46.55	4.08	0.00	0.00
FORT TOTTEN TO BROOKLAND	1.35	1.99	40.53	50.28	6.23	50.28	6.23	0.00	0.00
BROOKLAND TO RHODE ISLND	0.86	1.59	32.52	44.93	8.68	44.93	8.68	0.00	0.00
RHODE ISLND TO UNION STATN	1.76	2.46	42.94	50.00	4.72	50.00	4.72	0.00	0.00
UNION STATN TO JUDICIARY SQ	0.65	1.56	25.00	31.14	7.97	31.14	7.97	0.00	0.00
JUDICIARY SQ TO GALLERY PL	0.37	1.15	19.45	20.87	9.35	20.87	9.35	0.00	0.00
GALLERY PL TO METRO CENTER	0.29	1.22	14.00	22.29	13.03	22.29	13.03	0.00	0.00
METRO CENTER TO FARRAGUT NOR	0.78	1.71	27.42	40.01	8.51	40.01	8.51	0.00	0.00
FARRAGUT NOR TO DUPONT CIRCL	0.51	0.87	35.47	30.56	9.92	30.56	9.92	0.00	0.00
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	9.89	17.14	34.63	392.17	6.61	392.17	6.61	0.00	0.00

STATION SUMMARY

WMATA-CAM-P5-VAVE-8 CARS
RED LINE PM PEAK OUTBND

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
	MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
DUPONT CIRCL TO FARRAGUT NOR	0.51	1.38	22.33	51.24	12.50	51.24	12.50	0.00	0.00
FARRAGUT NOR TO METRO CENTER	0.78	1.79	26.18	43.79	6.99	43.79	6.99	0.00	0.00
METRO CENTER TO GALLERY PL	0.29	1.04	16.46	30.70	13.46	30.70	13.46	0.00	0.00
GALLERY PL TO JUDICIARY SQ	0.37	1.15	19.44	34.95	11.74	34.95	11.74	0.00	0.00
JUDICIARY SQ TO UNION STATN	0.65	1.68	23.22	53.08	10.19	53.08	10.19	0.00	0.00
UNION STATN TO RHODE ISLND	1.76	2.72	38.94	122.28	8.67	122.28	8.67	0.00	0.00
RHODE ISLND TO BROOKLAND	0.86	1.62	31.86	65.96	9.56	65.96	9.56	0.00	0.00
BROOKLAND TO FORT TOTTEN	1.35	2.02	40.04	90.41	8.40	90.41	8.40	0.00	0.00
FORT TOTTEN TO TAKOMA	1.90	2.55	44.75	115.05	7.57	115.05	7.57	0.00	0.00
TAKOMA TO SILVER SPRNG	1.42	1.66	51.31	89.94	7.92	89.94	7.92	0.00	0.00
	9.89	17.61	33.72	697.40	8.81	697.40	8.81	0.00	0.00

STATION SUMMARY

WMATA-CAM-P5-VAVE-8 CARS
RED LINE PM PEAK INBND

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
	MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
SILVER SPRNG TO TAKOMA	1.42	2.15	39.65	68.98	6.08	68.98	6.08	0.00	0.00
TAKOMA TO FORT TOTTEN	1.90	2.43	46.90	61.43	4.04	61.43	4.04	0.00	0.00
FORT TOTTEN TO BROOKLAND	1.35	1.99	40.54	66.93	6.22	66.93	6.22	0.00	0.00
BROOKLAND TO RHODE ISLND	0.86	1.59	32.52	60.17	8.72	60.17	8.72	0.00	0.00
RHODE ISLND TO UNION STATN	1.76	2.46	42.94	66.57	4.72	66.57	4.72	0.00	0.00
UNION STATN TO JUDICIARY SQ	0.65	1.56	25.00	41.49	7.96	41.49	7.96	0.00	0.00
JUDICIARY SQ TO GALLERY PL	0.37	1.15	19.45	27.82	9.35	27.82	9.35	0.00	0.00
GALLERY PL TO METRO CENTER	0.29	1.22	14.00	29.71	13.03	29.71	13.03	0.00	0.00
METRO CENTER TO FARRAGUT NOR	0.78	1.71	27.42	53.19	8.49	53.19	8.49	0.00	0.00
FARRAGUT NOR TO DUPONT CIRCL	0.51	0.87	35.47	40.72	9.92	40.72	9.92	0.00	0.00
	9.89	17.14	34.64	517.01	6.53	517.01	6.53	0.00	0.00

STATION SUMMARY

WMATA-CAM-P5-VAVE-6 CARS
 BLUE LINE AM PEAK NAT AIR-DG JUNC

	DISTANCE	TIME	SPEED	ENERGY				FUEL		
				MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM
NAT AIRPORT TO CRYSTAL CITY	0.59	1.64	21.62	19.85	5.61	19.85	5.61	0.00	0.00	
CRYSTAL CITY TO PENTGON CITY	0.77	1.56	29.66	37.85	8.20	37.85	8.20	0.00	0.00	
PENTGON CITY TO PENTAGON	0.63	1.52	25.05	33.13	8.72	33.13	8.72	0.00	0.00	
PENTAGON TO ARLNGTON CEM	1.31	2.04	38.35	68.61	8.75	68.61	8.75	0.00	0.00	
ARLNGTON CEM TO ROSSLYN	0.94	1.94	29.01	42.28	7.51	42.28	7.51	0.00	0.00	
ROSSLYN TO FOGGY BOTTOM	1.37	2.16	37.88	63.80	7.78	63.80	7.78	0.00	0.00	
FOGGY BOTTOM TO FARRGUT WEST	0.50	1.41	21.18	28.70	9.62	28.70	9.62	0.00	0.00	
FARRGUT WEST TO MCPHERSON SQ	0.38	1.07	20.99	27.29	12.11	27.29	12.11	0.00	0.00	
MCPHERSON SQ TO METRO CENTER	0.45	1.49	17.87	18.17	6.81	18.17	6.81	0.00	0.00	
METRO CENTER TO FED TRIANGLE	0.31	1.20	15.52	23.98	12.90	23.98	12.90	0.00	0.00	
FED TRIANGLE TO SMTHSONIAN	0.38	1.39	16.51	23.57	10.29	23.58	10.29	0.00	0.00	
SMTHSONIAN TO L'ENFANT PLZ	0.50	1.29	23.31	20.93	6.96	20.93	6.96	0.00	0.00	
L'ENFANT PLZ TO FED CENTR SW	0.33	1.13	17.68	20.94	10.50	20.94	10.50	0.00	0.00	
FED CENTR SW TO CAPITOL SOUT	0.58	1.34	25.87	39.48	11.38	39.48	11.38	0.00	0.00	
CAPITOL SOUT TO EASTN MARKET	0.51	1.33	23.12	30.20	9.83	30.20	9.83	0.00	0.00	
EASTN MARKET TO POTOMAC AVE	0.62	1.47	25.46	33.51	8.97	33.51	8.97	0.00	0.00	
POTOMAC AVE TO STADIUM ARM	0.71	1.56	27.33	34.09	8.00	34.09	8.00	0.00	0.00	
STADIUM ARM TO DG JUNCTION	1.38	1.77	46.86	63.72	7.69	63.72	7.69	0.00	0.00	

	12.25	27.30	26.92	630.11	8.57	630.11	8.57	0.00	0.00	

DG JUNCTION TO STADIUM ARM	1.38	2.08	39.75	56.76	6.85	56.76	6.85	0.00	0.00	
STADIUM ARM TO POTOMAC AVE	0.71	1.59	26.72	34.54	8.11	34.54	8.11	0.00	0.00	
POTOMAC AVE TO EASTN MARKET	0.62	1.44	25.92	36.98	9.89	36.98	9.89	0.00	0.00	
EASTN MARKET TO CAPITOL SOUT	0.51	1.33	23.16	26.21	8.53	26.21	8.53	0.00	0.00	
CAPITOL SOUT TO FED CENTR SW	0.58	1.27	27.26	36.06	10.40	36.06	10.40	0.00	0.00	
FED CENTR SW TO L'ENFANT PLZ	0.33	1.11	17.93	23.14	11.60	23.14	11.60	0.00	0.00	
L'ENFANT PLZ TO SMTHSONIAN	0.50	1.37	21.88	29.88	9.94	29.88	9.94	0.00	0.00	
SMTHSONIAN TO FED TRIANGLE	0.38	1.25	18.29	17.04	7.44	17.04	7.44	0.00	0.00	
FED TRIANGLE TO METRO CENTER	0.31	1.35	13.74	26.79	14.41	26.79	14.41	0.00	0.00	
METRO CENTER TO MCPHERSON SQ	0.45	1.30	20.61	26.01	9.74	26.01	9.74	0.00	0.00	
MCPHERSON SQ TO FARRGUT WEST	0.38	1.19	18.88	30.98	13.75	30.98	13.75	0.00	0.00	
FARRGUT WEST TO FOGGY BOTTOM	0.50	1.43	20.93	19.32	6.48	19.32	6.48	0.00	0.00	
FOGGY BOTTOM TO ROSSLYN	1.37	2.25	36.48	54.46	6.64	54.46	6.64	0.00	0.00	
ROSSLYN TO ARLNGTON CEM	0.94	1.88	29.99	50.73	9.01	50.73	9.01	0.00	0.00	
ARLNGTON CEM TO PENTAGON	1.31	2.09	37.58	53.03	6.77	53.03	6.77	0.00	0.00	
PENTAGON TO PENTGON CITY	0.63	1.31	29.03	38.96	10.26	38.96	10.26	0.00	0.00	
PENTGON CITY TO CRYSTAL CITY	0.77	1.60	28.82	35.90	7.78	35.90	7.78	0.00	0.00	
CRYSTAL CITY TO NAT AIRPORT	0.59	1.10	32.13	32.15	9.07	32.15	9.07	0.00	0.00	

	12.25	26.95	27.27	628.95	8.56	628.95	8.56	0.00	0.00	

STATION SUMMARY

WMATA-CAM-P5-VAVE-6 CARS
 BLUE LINE PM PEAK NAT AIR-D/G JUNCTION

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
				MILES	MIN	MPH	KWH	KWH/CM	KVA
NAT AIRPORT TO CRYSTAL CITY	0.59	1.64	21.62	19.76	5.58	19.76	5.58	0.00	0.00
CRYSTAL CITY TO PENTGON CITY	0.77	1.56	29.66	37.97	8.23	37.97	8.23	0.00	0.00
PENTGON CITY TO PENTAGON	0.63	1.52	25.06	32.62	8.59	32.62	8.59	0.00	0.00
PENTAGON TO ARLNGTON CEM	1.31	2.03	38.60	65.65	8.37	65.65	8.37	0.00	0.00
ARLNGTON CEM TO ROSSLYN	0.94	1.94	29.08	40.53	7.20	40.53	7.20	0.00	0.00
ROSSLYN TO FOGGY BOTTOM	1.37	2.16	37.90	61.17	7.46	61.17	7.46	0.00	0.00
FOGGY BOTTOM TO FARRGUT WEST	0.50	1.41	21.18	27.14	9.10	27.14	9.10	0.00	0.00
FARRGUT WEST TO MCPHERSON SQ	0.38	1.07	20.99	27.39	12.16	27.39	12.16	0.00	0.00
MCPHERSON SQ TO METRO CENTER	0.45	1.49	17.87	18.72	7.01	18.72	7.01	0.00	0.00
METRO CENTER TO FED TRIANGLE	0.31	1.20	15.51	24.62	13.25	24.62	13.25	0.00	0.00
FED TRIANGLE TO SMTHSONIAN	0.38	1.39	16.51	24.60	10.74	24.60	10.74	0.00	0.00
SMTHSONIAN TO L'ENFANT PLZ	0.50	1.29	23.31	22.72	7.56	22.72	7.56	0.00	0.00
L'ENFANT PLZ TO FED CENTR SW	0.33	1.13	17.67	22.41	11.24	22.41	11.24	0.00	0.00
FED CENTR SW TO CAPITOL SOUT	0.58	1.35	25.76	41.66	12.01	41.66	12.01	0.00	0.00
CAPITOL SOUT TO EASTN MARKET	0.51	1.33	23.10	32.35	10.53	32.35	10.53	0.00	0.00
EASTN MARKET TO POTOMAC AVE	0.62	1.47	25.42	36.05	9.64	36.05	9.64	0.00	0.00
POTOMAC AVE TO STADIUM ARM	0.71	1.56	27.31	35.21	8.26	35.21	8.26	0.00	0.00
STADIUM ARM TO DG JUNCTION	1.38	1.77	46.86	63.72	7.69	63.72	7.69	0.00	0.00

	12.25	27.29	26.93	634.27	8.63	634.27	8.63	0.00	0.00

DG JUNCTION TO STADIUM ARM	1.38	2.08	39.75	56.76	6.85	56.76	6.85	0.00	0.00
STADIUM ARM TO POTOMAC AVE	0.71	1.59	26.72	34.54	8.11	34.54	8.11	0.00	0.00
POTOMAC AVE TO EASTN MARKET	0.62	1.44	25.95	35.80	9.58	35.80	9.58	0.00	0.00
EASTN MARKET TO CAPITOL SOUT	0.51	1.33	23.15	24.07	7.84	24.07	7.84	0.00	0.00
CAPITOL SOUT TO FED CENTR SW	0.58	1.27	27.33	34.41	9.92	34.41	9.92	0.00	0.00
FED CENTR SW TO L'ENFANT PLZ	0.33	1.11	17.93	21.88	10.97	21.88	10.97	0.00	0.00
L'ENFANT PLZ TO SMTHSONIAN	0.50	1.37	21.88	28.42	9.46	28.42	9.46	0.00	0.00
SMTHSONIAN TO FED TRIANGLE	0.38	1.25	18.29	16.36	7.14	16.36	7.14	0.00	0.00
FED TRIANGLE TO METRO CENTER	0.31	1.35	13.74	26.67	14.35	26.67	14.35	0.00	0.00
METRO CENTER TO MCPHERSON SQ	0.45	1.30	20.61	26.24	9.82	26.24	9.82	0.00	0.00
MCPHERSON SQ TO FARRGUT WEST	0.38	1.19	18.87	31.21	13.85	31.21	13.85	0.00	0.00
FARRGUT WEST TO FOGGY BOTTOM	0.50	1.43	20.93	20.07	6.73	20.07	6.73	0.00	0.00
FOGGY BOTTOM TO ROSSLYN	1.37	2.25	36.48	58.94	7.19	58.94	7.19	0.00	0.00
ROSSLYN TO ARLNGTON CEM	0.94	1.88	29.92	54.88	9.75	54.88	9.75	0.00	0.00
ARLNGTON CEM TO PENTAGON	1.31	2.10	37.33	57.07	7.28	57.07	7.28	0.00	0.00
PENTAGON TO PENTGON CITY	0.63	1.31	28.89	42.34	11.15	42.34	11.15	0.00	0.00
PENTGON CITY TO CRYSTAL CITY	0.77	1.60	28.81	36.89	7.99	36.89	7.99	0.00	0.00
CRYSTAL CITY TO NAT AIRPORT	0.59	1.10	32.13	32.54	9.18	32.54	9.18	0.00	0.00

	12.25	26.97	27.25	639.08	8.69	639.08	8.69	0.00	0.00

STATION SUMMARY

WMATA-CAM-P5-VAVE-6 CARS
ORANGE LINE AM PEAK BALL-NEW CARR

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
				MILES	MIN	MPH	KWH	KWH/CM	KVA
BALLSTON TO VIRGINIA SQ	0.56	1.26	26.77	34.90	10.33	34.90	10.33	0.00	0.00
VIRGINIA SQ TO CLARENDON	0.47	1.15	24.50	34.10	12.14	34.10	12.14	0.00	0.00
CLARENDON TO COURTHOUSE	0.51	1.24	24.54	28.81	9.44	28.81	9.44	0.00	0.00
COURTHOUSE TO ROSSLYN	1.09	2.08	31.34	38.73	5.93	38.73	5.93	0.00	0.00
ROSSLYN TO FOGGY BOTTOM	1.37	2.16	37.88	63.80	7.78	63.80	7.78	0.00	0.00
FOGGY BOTTOM TO FARRGUT WEST	0.50	1.41	21.18	28.70	9.62	28.70	9.62	0.00	0.00
FARRGUT WEST TO MCPHERSON SQ	0.38	1.07	20.99	27.29	12.11	27.29	12.11	0.00	0.00
MCPHERSON SQ TO METRO CENTER	0.45	1.49	17.87	18.17	6.81	18.17	6.81	0.00	0.00
METRO CENTER TO FED TRIANGLE	0.31	1.20	15.52	23.98	12.90	23.98	12.90	0.00	0.00
FED TRIANGLE TO SMTHSONIAN	0.38	1.39	16.51	23.57	10.29	23.58	10.29	0.00	0.00
SMTHSONIAN TO L'ENFANT PLZ	0.50	1.29	23.31	20.93	6.96	20.93	6.96	0.00	0.00
L'ENFANT PLZ TO FED CENTR SW	0.33	1.13	17.68	20.94	10.50	20.94	10.50	0.00	0.00
FED CENTR SW TO CAPITOL SOUT	0.58	1.34	25.87	39.48	11.38	39.48	11.38	0.00	0.00
CAPITOL SOUT TO EASTN MARKET	0.51	1.33	23.12	30.20	9.83	30.20	9.83	0.00	0.00
EASTN MARKET TO POTOMAC AVE	0.62	1.47	25.46	33.51	8.97	33.51	8.97	0.00	0.00
POTOMAC AVE TO STADIUM ARMR	0.71	1.66	25.68	34.39	8.07	34.39	8.07	0.00	0.00
STADIUM ARMR TO MINNESOTA AV	2.09	3.03	41.34	87.30	6.97	87.30	6.97	0.00	0.00
MINNESOTA AV TO DEANWOOD	0.88	1.64	32.39	44.46	8.39	44.46	8.39	0.00	0.00
DEANWOOD TO CHEVERLY	1.10	1.78	36.96	50.55	7.67	50.55	7.67	0.00	0.00
CHEVERLY TO LANDOVER	1.83	2.37	46.27	74.88	6.82	74.88	6.82	0.00	0.00
LANDOVER TO NEW CARRLTON	1.41	1.70	49.83	60.09	7.09	60.09	7.09	0.00	0.00
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	16.57	33.20	29.95	818.81	8.23	818.81	8.23	0.00	0.00
NEW CARRLTON TO LANDOVER	1.41	2.07	40.95	55.19	6.52	55.19	6.52	0.00	0.00
LANDOVER TO CHEVERLY	1.83	2.22	49.57	65.43	5.96	65.43	5.96	0.00	0.00
CHEVERLY TO DEANWOOD	1.10	1.84	35.70	54.90	8.34	54.90	8.34	0.00	0.00
DEANWOOD TO MINNESOTA AV	0.88	1.66	32.00	47.33	8.93	47.33	8.93	0.00	0.00
MINNESOTA AV TO STADIUM ARMR	2.09	2.96	42.28	87.14	6.96	87.14	6.96	0.00	0.00
STADIUM ARMR TO POTOMAC AVE	0.71	1.60	26.67	37.27	8.75	37.27	8.75	0.00	0.00
POTOMAC AVE TO EASTN MARKET	0.62	1.44	25.92	36.98	9.89	36.98	9.89	0.00	0.00
EASTN MARKET TO CAPITOL SOUT	0.51	1.33	23.16	26.21	8.53	26.21	8.53	0.00	0.00
CAPITOL SOUT TO FED CENTR SW	0.58	1.27	27.26	36.06	10.40	36.06	10.40	0.00	0.00
FED CENTR SW TO L'ENFANT PLZ	0.33	1.11	17.93	23.14	11.60	23.14	11.60	0.00	0.00
L'ENFANT PLZ TO SMTHSONIAN	0.50	1.37	21.88	29.88	9.94	29.88	9.94	0.00	0.00
SMTHSONIAN TO FED TRIANGLE	0.38	1.25	18.29	17.04	7.44	17.04	7.44	0.00	0.00
FED TRIANGLE TO METRO CENTER	0.31	1.35	13.74	26.79	14.41	26.79	14.41	0.00	0.00
METRO CENTER TO MCPHERSON SQ	0.45	1.30	20.61	26.01	9.74	26.01	9.74	0.00	0.00
MCPHERSON SQ TO FARRGUT WEST	0.38	1.19	18.88	30.98	13.75	30.98	13.75	0.00	0.00
FARRGUT WEST TO FOGGY BOTTOM	0.50	1.43	20.93	19.32	6.48	19.32	6.48	0.00	0.00
FOGGY BOTTOM TO ROSSLYN	1.37	2.25	36.48	54.46	6.64	54.46	6.64	0.00	0.00
ROSSLYN TO COURTHOUSE	1.09	2.04	32.01	69.10	10.58	69.10	10.58	0.00	0.00
COURTHOUSE TO CLARENDON	0.51	1.26	24.18	36.55	11.97	36.55	11.97	0.00	0.00
CLARENDON TO VIRGINIA SQ	0.47	1.23	22.85	27.75	9.88	27.75	9.88	0.00	0.00
VIRGINIA SQ TO BALLSTON	0.56	1.00	33.94	33.82	9.99	33.82	9.99	0.00	0.00
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	16.57	33.17	29.98	841.36	8.46	841.36	8.46	0.00	0.00

STATION SUMMARY

WMATA-CAM-P5-VAVE-6 CARS
ORANGE LINE PM PEAK BALL-NEW CARR

		DISTANCE	TIME	SPEED	ENERGY				FUEL	
		MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
BALLSTON	TO VIRGINIA SQ	0.56	1.26	26.80	33.78	9.99	33.78	9.99	0.00	0.00
VIRGINIA SQ	TO CLARENDON	0.47	1.14	24.53	31.71	11.29	31.71	11.29	0.00	0.00
CLARENDON	TO COURTHOUSE	0.51	1.24	24.53	26.69	8.74	26.69	8.74	0.00	0.00
COURTHOUSE	TO ROSSLYN	1.09	2.08	31.39	36.60	5.60	36.60	5.60	0.00	0.00
ROSSLYN	TO FOGGY BOTTOM	1.37	2.16	37.90	61.17	7.46	61.17	7.46	0.00	0.00
FOGGY BOTTOM	TO FARRGUT WEST	0.50	1.41	21.18	27.14	9.10	27.14	9.10	0.00	0.00
FARRGUT WEST	TO MCPHERSON SQ	0.38	1.07	20.99	27.39	12.16	27.39	12.16	0.00	0.00
MCPHERSON SQ	TO METRO CENTER	0.45	1.49	17.87	18.72	7.01	18.72	7.01	0.00	0.00
METRO CENTER	TO FED TRIANGLE	0.31	1.20	15.51	24.62	13.25	24.62	13.25	0.00	0.00
FED TRIANGLE	TO SMTHSONIAN	0.38	1.39	16.51	24.60	10.74	24.60	10.74	0.00	0.00
SMTHSONIAN	TO L'ENFANT PLZ	0.50	1.29	23.31	22.72	7.56	22.72	7.56	0.00	0.00
L'ENFANT PLZ	TO FED CENTR SW	0.33	1.13	17.67	22.41	11.24	22.41	11.24	0.00	0.00
FED CENTR SW	TO CAPITOL SOUT	0.58	1.35	25.76	41.66	12.01	41.66	12.01	0.00	0.00
CAPITOL SOUT	TO EASTN MARKET	0.51	1.33	23.10	32.35	10.53	32.35	10.53	0.00	0.00
EASTN MARKET	TO POTOMAC AVE	0.62	1.47	25.42	36.05	9.64	36.05	9.64	0.00	0.00
POTOMAC AVE	TO STADIUM ARM	0.71	1.66	25.66	35.51	8.33	35.51	8.33	0.00	0.00
STADIUM ARM	TO MINNESOTA AV	2.09	3.04	41.20	92.78	7.41	92.78	7.41	0.00	0.00
MINNESOTA AV	TO DEANWOOD	0.88	1.64	32.27	46.87	8.85	46.87	8.85	0.00	0.00
DEANWOOD	TO CHEVERLY	1.10	1.79	36.86	52.82	8.02	52.82	8.02	0.00	0.00
CHEVERLY	TO LANDOVER	1.83	2.38	46.07	77.86	7.09	77.86	7.09	0.00	0.00
LANDOVER	TO NEW CARRLTON	1.41	1.70	49.92	61.36	7.24	61.36	7.24	0.00	0.00
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		16.57	33.23	29.92	834.81	8.40	834.81	8.40	0.00	0.00
NEW CARRLTON	TO LANDOVER	1.41	2.07	40.95	55.19	6.52	55.19	6.52	0.00	0.00
LANDOVER	TO CHEVERLY	1.83	2.21	49.66	63.40	5.77	63.40	5.77	0.00	0.00
CHEVERLY	TO DEANWOOD	1.10	1.84	35.76	52.75	8.01	52.75	8.01	0.00	0.00
DEANWOOD	TO MINNESOTA AV	0.88	1.65	32.09	44.95	8.48	44.95	8.48	0.00	0.00
MINNESOTA AV	TO STADIUM ARM	2.09	2.96	42.37	83.38	6.66	83.38	6.66	0.00	0.00
STADIUM ARM	TO POTOMAC AVE	0.71	1.59	26.71	34.74	8.15	34.74	8.15	0.00	0.00
POTOMAC AVE	TO EASTN MARKET	0.62	1.44	25.95	35.80	9.58	35.80	9.58	0.00	0.00
EASTN MARKET	TO CAPITOL SOUT	0.51	1.33	23.15	24.07	7.84	24.07	7.84	0.00	0.00
CAPITOL SOUT	TO FED CENTR SW	0.58	1.27	27.33	34.41	9.92	34.41	9.92	0.00	0.00
FED CENTR SW	TO L'ENFANT PLZ	0.33	1.11	17.93	21.88	10.97	21.88	10.97	0.00	0.00
L'ENFANT PLZ	TO SMTHSONIAN	0.50	1.37	21.88	28.42	9.46	28.42	9.46	0.00	0.00
SMTHSONIAN	TO FED TRIANGLE	0.38	1.25	18.29	16.36	7.14	16.36	7.14	0.00	0.00
FED TRIANGLE	TO METRO CENTER	0.31	1.35	13.74	26.67	14.35	26.67	14.35	0.00	0.00
METRO CENTER	TO MCPHERSON SQ	0.45	1.30	20.61	26.24	9.82	26.24	9.82	0.00	0.00
MCPHERSON SQ	TO FARRGUT WEST	0.38	1.19	18.87	31.21	13.85	31.21	13.85	0.00	0.00
FARRGUT WEST	TO FOGGY BOTTOM	0.50	1.43	20.93	20.07	6.73	20.07	6.73	0.00	0.00
FOGGY BOTTOM	TO ROSSLYN	1.37	2.25	36.48	58.94	7.19	58.94	7.19	0.00	0.00
ROSSLYN	TO COURTHOUSE	1.09	2.06	31.73	74.38	11.39	74.38	11.39	0.00	0.00
COURTHOUSE	TO CLARENDON	0.51	1.27	24.12	39.58	12.97	39.58	12.97	0.00	0.00
CLARENDON	TO VIRGINIA SQ	0.47	1.23	22.81	29.71	10.58	29.71	10.58	0.00	0.00
VIRGINIA SQ	TO BALLSTON	0.56	1.00	33.86	36.76	10.86	36.76	10.86	0.00	0.00
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		16.57	33.17	29.98	838.90	8.44	838.90	8.44	0.00	0.00

9.6. PERFORMANCE MODIFICATION - TPS STATION SUMMARIES

Tables in subsections 9.6.1 through 9.6.2 contain the TPS station summaries for coasting (above 50 MPH) under PL2 and PL1 operations.

Tables in subsection 9.6.3 contain the TPS station summaries for top speed (55 MPH) under PL2 operation.

9.6.1.

**COASTING (ABOVE 50 MPH) - PL2 OPERATION
TPS STATION SUMMARIES**

STATION SUMMARY

WMATA-CAM-P5-VAVE-6 CARS
 RED LINE AM PEAK OUTBND
 COASTING ABOVE 50 MPH

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
	MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
DUPONT CIRCL TO FARRAGUT NOR	0.51	1.51	20.40	26.72	8.69	26.72	8.69	0.00	0.00
FARRAGUT NOR TO METRO CENTER	0.78	1.90	24.76	22.52	4.79	22.52	4.79	0.00	0.00
METRO CENTER TO GALLERY PL	0.29	1.10	15.57	16.56	9.68	16.56	9.68	0.00	0.00
GALLERY PL TO JUDICIARY SQ	0.37	1.25	17.90	18.79	8.41	18.79	8.41	0.00	0.00
JUDICIARY SQ TO UNION STATN	0.65	1.85	21.09	29.59	7.57	29.59	7.57	0.00	0.00
UNION STATN TO RHODE ISLND	1.76	3.08	34.30	65.19	6.16	65.19	6.16	0.00	0.00
RHODE ISLND TO BROOKLAND	0.86	1.72	30.03	31.43	6.07	31.43	6.07	0.00	0.00
BROOKLAND TO FORT TOTTEN	1.35	2.23	36.24	44.21	5.48	44.21	5.48	0.00	0.00
FORT TOTTEN TO TAKOMA	1.90	2.76	41.35	59.32	5.20	59.32	5.20	0.00	0.00
TAKOMA TO SILVER SPRNG	1.42	1.88	45.32	40.30	4.73	40.30	4.73	0.00	0.00
	9.89	19.27	30.80	354.62	5.97	354.62	5.97	0.00	0.00

STATION SUMMARY

WMATA-CAM-P5-VAVE-6 CARS
 RED LINE AM PEAK INBND
 COASTING ABOVE 50 MPH

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
	MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
SILVER SPRNG TO TAKOMA	1.42	2.50	34.10	30.73	3.61	30.73	3.61	0.00	0.00
TAKOMA TO FORT TOTTEN	1.90	2.99	38.12	28.25	2.48	28.25	2.48	0.00	0.00
FORT TOTTEN TO BROOKLAND	1.35	2.31	34.98	26.47	3.28	26.47	3.28	0.00	0.00
BROOKLAND TO RHODE ISLND	0.86	1.71	30.24	35.29	6.82	35.29	6.82	0.00	0.00
RHODE ISLND TO UNION STATN	1.76	2.91	36.33	29.85	2.82	29.85	2.82	0.00	0.00
UNION STATN TO JUDICIARY SQ	0.65	1.74	22.51	27.09	6.93	27.09	6.93	0.00	0.00
JUDICIARY SQ TO GALLERY PL	0.37	1.25	17.90	17.32	7.76	17.32	7.76	0.00	0.00
GALLERY PL TO METRO CENTER	0.29	1.28	13.34	18.47	10.80	18.47	10.80	0.00	0.00
METRO CENTER TO FARRAGUT NOR	0.78	1.92	24.43	32.54	6.92	32.54	6.92	0.00	0.00
FARRAGUT NOR TO DUPONT CIRCL	0.51	1.01	30.60	20.91	6.79	20.91	6.79	0.00	0.00
	9.89	19.61	30.27	266.93	4.50	266.93	4.50	0.00	0.00

STATION SUMMARY

WMATA-CAM-P5-VAVE-8 CARS
 RED LINE AM PEAK OUTBND
 COASTING ABOVE 50 MPH

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
	MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
DUPONT CIRCL TO FARRAGUT NOR	0.51	1.51	20.40	35.61	8.69	35.61	8.69	0.00	0.00
FARRAGUT NOR TO METRO CENTER	0.78	1.90	24.76	30.01	4.79	30.01	4.79	0.00	0.00
METRO CENTER TO GALLERY PL	0.29	1.10	15.57	22.08	9.68	22.08	9.68	0.00	0.00
GALLERY PL TO JUDICIARY SQ	0.37	1.25	17.90	25.02	8.41	25.02	8.41	0.00	0.00
JUDICIARY SQ TO UNION STATN	0.65	1.85	21.09	39.41	7.57	39.41	7.57	0.00	0.00
UNION STATN TO RHODE ISLND	1.76	3.08	34.30	86.64	6.14	86.64	6.14	0.00	0.00
RHODE ISLND TO BROOKLAND	0.86	1.72	30.03	41.85	6.07	41.85	6.07	0.00	0.00
BROOKLAND TO FORT TOTTEN	1.35	2.23	36.23	58.49	5.43	58.49	5.43	0.00	0.00
FORT TOTTEN TO TAKOMA	1.90	2.76	41.34	78.72	5.18	78.72	5.18	0.00	0.00
TAKOMA TO SILVER SPRNG	1.42	1.88	45.29	52.94	4.66	52.94	4.66	0.00	0.00
	9.89	19.28	30.79	470.78	5.95	470.78	5.95	0.00	0.00

STATION SUMMARY

WMATA-CAM-P5-VAVE-8 CARS
 RED LINE AM PEAK INBND
 COASTING ABOVE 50 MPH

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
	MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
SILVER SPRNG TO TAKOMA	1.42	2.50	34.09	40.91	3.61	40.91	3.61	0.00	0.00
TAKOMA TO FORT TOTTEN	1.90	2.99	38.13	37.65	2.48	37.65	2.48	0.00	0.00
FORT TOTTEN TO BROOKLAND	1.35	2.31	34.91	35.30	3.28	35.30	3.28	0.00	0.00
BROOKLAND TO RHODE ISLND	0.86	1.71	30.24	46.93	6.80	46.93	6.80	0.00	0.00
RHODE ISLND TO UNION STATN	1.76	2.91	36.30	39.79	2.82	39.79	2.82	0.00	0.00
UNION STATN TO JUDICIARY SQ	0.65	1.74	22.51	36.10	6.93	36.10	6.93	0.00	0.00
JUDICIARY SQ TO GALLERY PL	0.37	1.25	17.90	23.09	7.76	23.09	7.76	0.00	0.00
GALLERY PL TO METRO CENTER	0.29	1.28	13.34	24.63	10.80	24.63	10.80	0.00	0.00
METRO CENTER TO FARRAGUT NOR	0.78	1.92	24.43	43.27	6.91	43.27	6.91	0.00	0.00
FARRAGUT NOR TO DUPONT CIRCL	0.51	1.01	30.60	27.88	6.79	27.88	6.79	0.00	0.00
	9.89	19.62	30.26	355.55	4.49	355.55	4.49	0.00	0.00

STATION SUMMARY

WMATA-CAM-P5-VAVE-6 CARS
 RED LINE MIDDAY OUTBND
 COASTING ABOVE 50 MPH

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
	MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
DUPONT CIRCL TO FARRAGUT NOR	0.51	1.51	20.40	26.83	8.73	26.83	8.73	0.00	0.00
FARRAGUT NOR TO METRO CENTER	0.78	1.90	24.76	23.37	4.97	23.37	4.97	0.00	0.00
METRO CENTER TO GALLERY PL	0.29	1.10	15.57	17.37	10.16	17.37	10.16	0.00	0.00
GALLERY PL TO JUDICIARY SQ	0.37	1.25	17.90	19.67	8.81	19.67	8.81	0.00	0.00
JUDICIARY SQ TO UNION STATN	0.65	1.85	21.09	30.82	7.89	30.82	7.89	0.00	0.00
UNION STATN TO RHODE ISLND	1.76	3.09	34.30	66.66	6.30	66.66	6.30	0.00	0.00
RHODE ISLND TO BROOKLAND	0.86	1.72	30.02	32.63	6.31	32.63	6.31	0.00	0.00
BROOKLAND TO FORT TOTTEN	1.35	2.23	36.22	45.08	5.58	45.08	5.58	0.00	0.00
FORT TOTTEN TO TAKOMA	1.90	2.76	41.33	60.21	5.28	60.21	5.28	0.00	0.00
TAKOMA TO SILVER SPRNG	1.42	1.88	45.29	40.61	4.77	40.61	4.77	0.00	0.00
	9.89	19.28	30.79	363.24	6.12	363.24	6.12	0.00	0.00

STATION SUMMARY

WMATA-CAM-P5-VAVE-6 CARS
 RED LINE MIDDAY INBND
 COASTING ABOVE 50 MPH

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
	MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
SILVER SPRNG TO TAKOMA	1.42	2.50	34.10	30.73	3.61	30.73	3.61	0.00	0.00
TAKOMA TO FORT TOTTEN	1.90	2.97	38.39	26.98	2.37	26.98	2.37	0.00	0.00
FORT TOTTEN TO BROOKLAND	1.35	2.30	35.05	24.93	3.09	24.93	3.09	0.00	0.00
BROOKLAND TO RHODE ISLND	0.86	1.71	30.27	32.91	6.36	32.91	6.36	0.00	0.00
RHODE ISLND TO UNION STATN	1.76	2.91	36.36	27.51	2.60	27.51	2.60	0.00	0.00
UNION STATN TO JUDICIARY SQ	0.65	1.74	22.51	25.05	6.41	25.05	6.41	0.00	0.00
JUDICIARY SQ TO GALLERY PL	0.37	1.25	17.90	16.19	7.25	16.19	7.25	0.00	0.00
GALLERY PL TO METRO CENTER	0.29	1.28	13.34	17.84	10.43	17.84	10.43	0.00	0.00
METRO CENTER TO FARRAGUT NOR	0.78	1.92	24.43	31.55	6.71	31.55	6.71	0.00	0.00
FARRAGUT NOR TO DUPONT CIRCL	0.51	1.01	30.60	20.45	6.64	20.45	6.64	0.00	0.00
	9.89	19.58	30.31	254.13	4.28	254.13	4.28	0.00	0.00

STATION SUMMARY

WMATA-CAM-P5-VAVE-6 CARS
 RED LINE PM PEAK OUTBND
 COASTING ABOVE 50 MPH

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
	MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
DUPONT CIRCL TO FARRAGUT NOR	0.51	1.51	20.40	27.03	8.79	27.03	8.79	0.00	0.00
FARRAGUT NOR TO METRO CENTER	0.78	1.90	24.75	24.51	5.22	24.51	5.22	0.00	0.00
METRO CENTER TO GALLERY PL	0.29	1.10	15.57	17.89	10.46	17.89	10.46	0.00	0.00
GALLERY PL TO JUDICIARY SQ	0.37	1.25	17.90	20.41	9.14	20.41	9.14	0.00	0.00
JUDICIARY SQ TO UNION STATN	0.65	1.85	21.09	32.96	8.44	32.96	8.44	0.00	0.00
UNION STATN TO RHODE ISLND	1.76	3.09	34.29	70.91	6.70	70.91	6.70	0.00	0.00
RHODE ISLND TO BROOKLAND	0.86	1.73	29.96	35.64	6.89	35.64	6.89	0.00	0.00
BROOKLAND TO FORT TOTTEN	1.35	2.23	36.15	47.50	5.89	47.50	5.89	0.00	0.00
FORT TOTTEN TO TAKOMA	1.90	2.77	41.23	63.23	5.54	63.23	5.54	0.00	0.00
TAKOMA TO SILVER SPRNG	1.42	1.88	45.19	42.72	5.02	42.72	5.02	0.00	0.00
	9.89	19.30	30.76	382.81	6.45	382.81	6.45	0.00	0.00

STATION SUMMARY

WMATA-CAM-P5-VAVE-6 CARS
 RED LINE PM PEAK INBND
 COASTING ABOVE 50 MPH

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
	MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
SILVER SPRNG TO TAKOMA	1.42	2.50	34.10	30.73	3.61	30.73	3.61	0.00	0.00
TAKOMA TO FORT TOTTEN	1.90	2.99	38.19	26.90	2.36	26.90	2.36	0.00	0.00
FORT TOTTEN TO BROOKLAND	1.35	2.30	35.08	24.63	3.05	24.63	3.05	0.00	0.00
BROOKLAND TO RHODE ISLND	0.86	1.71	30.28	32.50	6.28	32.50	6.28	0.00	0.00
RHODE ISLND TO UNION STATN	1.76	2.91	36.37	26.93	2.54	26.93	2.54	0.00	0.00
UNION STATN TO JUDICIARY SQ	0.65	1.74	22.51	24.33	6.23	24.33	6.23	0.00	0.00
JUDICIARY SQ TO GALLERY PL	0.37	1.25	17.90	15.64	7.01	15.64	7.01	0.00	0.00
GALLERY PL TO METRO CENTER	0.29	1.28	13.34	17.50	10.24	17.50	10.24	0.00	0.00
METRO CENTER TO FARRAGUT NOR	0.78	1.92	24.43	31.07	6.61	31.08	6.61	0.00	0.00
FARRAGUT NOR TO DUPONT CIRCL	0.51	1.01	30.60	19.92	6.47	19.92	6.47	0.00	0.00
	9.89	19.60	30.29	250.15	4.21	250.15	4.21	0.00	0.00

STATION SUMMARY

WMATA-CAM-P5-VAVE-8 CARS
 RED LINE PM PEAK OUTBND
 COASTING ABOVE 50 MPH

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
	MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
DUPONT CIRCL TO FARRAGUT NOR	0.51	1.51	20.40	36.02	8.79	36.02	8.79	0.00	0.00
FARRAGUT NOR TO METRO CENTER	0.78	1.90	24.75	32.66	5.21	32.66	5.21	0.00	0.00
METRO CENTER TO GALLERY PL	0.29	1.10	15.57	23.86	10.46	23.86	10.46	0.00	0.00
GALLERY PL TO JUDICIARY SQ	0.37	1.25	17.90	27.19	9.13	27.19	9.13	0.00	0.00
JUDICIARY SQ TO UNION STATN	0.65	1.85	21.09	43.91	8.43	43.91	8.43	0.00	0.00
UNION STATN TO RHODE ISLND	1.76	3.09	34.29	94.27	6.68	94.27	6.68	0.00	0.00
RHODE ISLND TO BROOKLAND	0.86	1.73	29.96	47.47	6.88	47.47	6.88	0.00	0.00
BROOKLAND TO FORT TOTTEN	1.35	2.23	36.15	62.87	5.84	62.87	5.84	0.00	0.00
FORT TOTTEN TO TAKOMA	1.90	2.77	41.22	83.71	5.51	83.71	5.51	0.00	0.00
TAKOMA TO SILVER SPRNG	1.42	1.89	45.17	56.76	5.00	56.76	5.00	0.00	0.00
	9.89	19.30	30.76	508.73	6.43	508.73	6.43	0.00	0.00

STATION SUMMARY

WMATA-CAM-P5-VAVE-8 CARS
 RED LINE PM PEAK INBND
 COASTING ABOVE 50 MPH

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
	MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
SILVER SPRNG TO TAKOMA	1.42	2.50	34.09	40.91	3.61	40.91	3.61	0.00	0.00
TAKOMA TO FORT TOTTEN	1.90	2.99	38.19	35.85	2.36	35.85	2.36	0.00	0.00
FORT TOTTEN TO BROOKLAND	1.35	2.31	35.00	32.82	3.05	32.82	3.05	0.00	0.00
BROOKLAND TO RHODE ISLND	0.86	1.71	30.28	42.94	6.22	42.94	6.22	0.00	0.00
RHODE ISLND TO UNION STATN	1.76	2.91	36.35	35.89	2.54	35.89	2.54	0.00	0.00
UNION STATN TO JUDICIARY SQ	0.65	1.74	22.51	32.41	6.22	32.41	6.22	0.00	0.00
JUDICIARY SQ TO GALLERY PL	0.37	1.25	17.90	20.85	7.00	20.85	7.00	0.00	0.00
GALLERY PL TO METRO CENTER	0.29	1.28	13.34	23.34	10.23	23.34	10.23	0.00	0.00
METRO CENTER TO FARRAGUT NOR	0.78	1.92	24.43	41.32	6.60	41.32	6.60	0.00	0.00
FARRAGUT NOR TO DUPONT CIRCL	0.51	1.01	30.60	26.55	6.47	26.55	6.47	0.00	0.00
	9.89	19.60	30.28	332.89	4.21	332.89	4.21	0.00	0.00

STATION SUMMARY

WMATA-CAM-P5-VAVE-6 CARS
 RED LINE EVENING OUTBND
 COASTING ABOVE 50 MPH

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
	MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
DUPONT CIRCL TO FARRAGUT NOR	0.51	1.51	20.40	26.49	8.62	26.49	8.62	0.00	0.00
FARRAGUT NOR TO METRO CENTER	0.78	1.90	24.76	22.52	4.79	22.52	4.79	0.00	0.00
METRO CENTER TO GALLERY PL	0.29	1.10	15.57	16.64	9.73	16.64	9.73	0.00	0.00
GALLERY PL TO JUDICIARY SQ	0.37	1.25	17.90	18.95	8.49	18.95	8.49	0.00	0.00
JUDICIARY SQ TO UNION STATN	0.65	1.85	21.09	30.44	7.79	30.44	7.79	0.00	0.00
UNION STATN TO RHODE ISLND	1.76	3.09	34.30	66.66	6.30	66.66	6.30	0.00	0.00
RHODE ISLND TO BROOKLAND	0.86	1.72	30.02	32.74	6.33	32.74	6.33	0.00	0.00
BROOKLAND TO FORT TOTTEN	1.35	2.23	36.21	45.21	5.60	45.21	5.60	0.00	0.00
FORT TOTTEN TO TAKOMA	1.90	2.76	41.32	60.59	5.31	60.59	5.31	0.00	0.00
TAKOMA TO SILVER SPRNG	1.42	1.88	45.28	40.74	4.78	40.74	4.78	0.00	0.00
	9.89	19.28	30.79	360.98	6.08	360.98	6.08	0.00	0.00

STATION SUMMARY

WMATA-CAM-P5-VAVE-6 CARS
 RED LINE EVENING INBND
 COASTING ABOVE 50 MPH

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
	MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
SILVER SPRNG TO TAKOMA	1.42	2.50	34.10	30.73	3.61	30.73	3.61	0.00	0.00
TAKOMA TO FORT TOTTEN	1.90	2.99	38.19	26.77	2.35	26.77	2.35	0.00	0.00
FORT TOTTEN TO BROOKLAND	1.35	2.30	35.08	24.57	3.04	24.57	3.04	0.00	0.00
BROOKLAND TO RHODE ISLND	0.86	1.71	30.28	32.35	6.25	32.35	6.25	0.00	0.00
RHODE ISLND TO UNION STATN	1.76	2.91	36.37	26.80	2.53	26.80	2.53	0.00	0.00
UNION STATN TO JUDICIARY SQ	0.65	1.74	22.51	24.19	6.19	24.19	6.19	0.00	0.00
JUDICIARY SQ TO GALLERY PL	0.37	1.25	17.90	15.31	6.86	15.31	6.86	0.00	0.00
GALLERY PL TO METRO CENTER	0.29	1.28	13.34	16.67	9.75	16.67	9.75	0.00	0.00
METRO CENTER TO FARRAGUT NOR	0.78	1.92	24.43	29.73	6.33	29.73	6.33	0.00	0.00
FARRAGUT NOR TO DUPONT CIRCL	0.51	1.01	30.60	19.43	6.31	19.43	6.31	0.00	0.00
	9.89	19.59	30.30	246.55	4.15	246.55	4.15	0.00	0.00

STATION SUMMARY

WMATA-CAM-P5-VAVE-6 CARS
 BLUE LINE AM PEAK NAT AIR-DG JUNC
 COASTING ABOVE 50 MPH

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
				MILES	MIN	MPH	KWH	KWH/CM	KVA
NAT AIRPORT TO CRYSTAL CITY	0.59	1.65	21.40	19.65	5.55	19.65	5.55	0.00	0.00
CRYSTAL CITY TO PENTGON CITY	0.77	1.62	28.53	32.65	7.07	32.65	7.07	0.00	0.00
PENTGON CITY TO PENTAGON	0.63	1.56	24.32	25.46	6.70	25.46	6.70	0.00	0.00
PENTAGON TO ARLNGTON CEM	1.31	2.24	34.92	49.00	6.25	49.00	6.25	0.00	0.00
ARLNGTON CEM TO ROSSLYN	0.94	2.00	28.22	31.97	5.68	31.97	5.68	0.00	0.00
ROSSLYN TO FOGGY BOTTOM	1.37	2.32	35.38	58.60	7.15	58.60	7.15	0.00	0.00
FOGGY BOTTOM TO FARRGUT WEST	0.50	1.42	20.98	26.98	9.04	26.98	9.04	0.00	0.00
FARRGUT WEST TO MCPHERSON SQ	0.38	1.14	19.79	18.42	8.18	18.42	8.18	0.00	0.00
MCPHERSON SQ TO METRO CENTER	0.45	1.56	17.15	17.23	6.45	17.23	6.45	0.00	0.00
METRO CENTER TO FED TRIANGLE	0.31	1.27	14.63	15.88	8.54	15.88	8.54	0.00	0.00
FED TRIANGLE TO SMTHSONIAN	0.38	1.40	16.34	21.73	9.48	21.73	9.48	0.00	0.00
SMTHSONIAN TO L'ENFANT PLZ	0.50	1.36	22.11	18.57	6.18	18.57	6.18	0.00	0.00
L'ENFANT PLZ TO FED CENTR SW	0.33	1.21	16.48	17.13	8.59	17.13	8.59	0.00	0.00
FED CENTR SW TO CAPITOL SOUT	0.58	1.39	24.89	32.55	9.38	32.55	9.38	0.00	0.00
CAPITOL SOUT TO EASTN MARKET	0.51	1.40	21.96	26.39	8.59	26.39	8.59	0.00	0.00
EASTN MARKET TO POTOMAC AVE	0.62	1.50	24.99	26.61	7.12	26.61	7.12	0.00	0.00
POTOMAC AVE TO STADIUM ARM	0.71	1.64	25.99	26.13	6.13	26.13	6.13	0.00	0.00
STADIUM ARM TO DG JUNCTION	1.38	1.98	41.91	46.69	5.63	46.69	5.63	0.00	0.00

	12.25	28.66	25.65	511.63	6.96	511.63	6.96	0.00	0.00

DG JUNCTION TO STADIUM ARM	1.38	2.37	34.94	36.43	4.40	36.43	4.40	0.00	0.00
STADIUM ARM TO POTOMAC AVE	0.71	1.67	25.48	26.19	6.15	26.19	6.15	0.00	0.00
POTOMAC AVE TO EASTN MARKET	0.62	1.48	25.22	28.34	7.58	28.34	7.58	0.00	0.00
EASTN MARKET TO CAPITOL SOUT	0.51	1.40	21.97	20.00	6.51	20.00	6.51	0.00	0.00
CAPITOL SOUT TO FED CENTR SW	0.58	1.40	24.85	22.43	6.47	22.43	6.47	0.00	0.00
FED CENTR SW TO L'ENFANT PLZ	0.33	1.19	16.70	18.27	9.16	18.27	9.16	0.00	0.00
L'ENFANT PLZ TO SMTHSONIAN	0.50	1.44	20.83	27.44	9.13	27.44	9.13	0.00	0.00
SMTHSONIAN TO FED TRIANGLE	0.38	1.27	18.07	16.43	7.17	16.43	7.17	0.00	0.00
FED TRIANGLE TO METRO CENTER	0.31	1.42	13.08	18.58	10.00	18.58	10.00	0.00	0.00
METRO CENTER TO MCPHERSON SQ	0.45	1.36	19.67	24.99	9.36	24.99	9.36	0.00	0.00
MCPHERSON SQ TO FARRGUT WEST	0.38	1.26	17.85	21.82	9.68	21.82	9.68	0.00	0.00
FARRGUT WEST TO FOGGY BOTTOM	0.50	1.44	20.74	19.06	6.39	19.06	6.39	0.00	0.00
FOGGY BOTTOM TO ROSSLYN	1.37	2.56	32.06	46.91	5.72	46.91	5.72	0.00	0.00
ROSSLYN TO ARLNGTON CEM	0.94	1.98	28.45	39.01	6.93	39.01	6.93	0.00	0.00
ARLNGTON CEM TO PENTAGON	1.31	2.38	32.96	33.49	4.27	33.49	4.27	0.00	0.00
PENTAGON TO PENTGON CITY	0.63	1.41	26.94	30.29	7.98	30.29	7.98	0.00	0.00
PENTGON CITY TO CRYSTAL CITY	0.77	1.67	27.67	28.93	6.27	28.93	6.27	0.00	0.00
CRYSTAL CITY TO NAT AIRPORT	0.59	1.12	31.63	32.12	9.06	32.12	9.06	0.00	0.00

	12.25	28.82	25.51	490.72	6.68	490.72	6.68	0.00	0.00

STATION SUMMARY

WMATA-CAM-P5-VAVE-6 CARS
 BLUE LINE MIDDAY OFF PEAK NAT AIR-D/G JU
 COASTING ABOVE 50 MPH

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
	MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
NAT AIRPORT TO CRYSTAL CITY	0.59	1.65	21.40	19.70	5.56	19.70	5.56	0.00	0.00
CRYSTAL CITY TO PENTGON CITY	0.77	1.62	28.53	32.98	7.14	32.98	7.14	0.00	0.00
PENTGON CITY TO PENTAGON	0.63	1.56	24.32	25.38	6.68	25.38	6.68	0.00	0.00
PENTAGON TO ARLNGTON CEM	1.31	2.24	34.95	46.76	5.97	46.76	5.97	0.00	0.00
ARLNGTON CEM TO ROSSLYN	0.94	1.99	28.23	30.93	5.49	30.93	5.49	0.00	0.00
ROSSLYN TO FOGGY BOTTOM	1.37	2.32	35.40	54.74	6.68	54.74	6.68	0.00	0.00
FOGGY BOTTOM TO FARRGUT WEST	0.50	1.42	20.98	25.96	8.70	25.96	8.70	0.00	0.00
FARRGUT WEST TO MCPHERSON SQ	0.38	1.14	19.79	18.42	8.18	18.42	8.18	0.00	0.00
MCPHERSON SQ TO METRO CENTER	0.45	1.56	17.15	17.51	6.56	17.51	6.56	0.00	0.00
METRO CENTER TO FED TRIANGLE	0.31	1.27	14.63	16.12	8.67	16.12	8.67	0.00	0.00
FED TRIANGLE TO SMTHSONIAN	0.38	1.40	16.34	22.14	9.66	22.14	9.66	0.00	0.00
SMTHSONIAN TO L'ENFANT PLZ	0.50	1.36	22.11	18.82	6.26	18.82	6.26	0.00	0.00
L'ENFANT PLZ TO FED CENTR SW	0.33	1.21	16.48	17.46	8.75	17.46	8.75	0.00	0.00
FED CENTR SW TO CAPITOL SOUT	0.58	1.39	24.88	33.20	9.57	33.20	9.57	0.00	0.00
CAPITOL SOUT TO EASTN MARKET	0.51	1.40	21.96	26.70	8.69	26.70	8.69	0.00	0.00
EASTN MARKET TO POTOMAC AVE	0.62	1.50	24.99	26.83	7.18	26.83	7.18	0.00	0.00
POTOMAC AVE TO STADIUM ARMR	0.71	1.64	25.99	26.27	6.17	26.27	6.17	0.00	0.00
STADIUM ARMR TO DG JUNCTION	1.38	1.98	41.91	46.69	5.63	46.69	5.63	0.00	0.00
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	12.25	28.65	25.65	506.60	6.89	506.60	6.89	0.00	0.00
DG JUNCTION TO STADIUM ARMR	1.38	2.37	34.94	36.43	4.40	36.43	4.40	0.00	0.00
STADIUM ARMR TO POTOMAC AVE	0.71	1.67	25.48	26.19	6.15	26.19	6.15	0.00	0.00
POTOMAC AVE TO EASTN MARKET	0.62	1.48	25.22	27.64	7.39	27.64	7.39	0.00	0.00
EASTN MARKET TO CAPITOL SOUT	0.51	1.40	21.97	19.13	6.23	19.13	6.23	0.00	0.00
CAPITOL SOUT TO FED CENTR SW	0.58	1.40	24.85	21.40	6.17	21.40	6.17	0.00	0.00
FED CENTR SW TO L'ENFANT PLZ	0.33	1.19	16.70	17.56	8.80	17.56	8.80	0.00	0.00
L'ENFANT PLZ TO SMTHSONIAN	0.50	1.44	20.83	26.55	8.83	26.55	8.83	0.00	0.00
SMTHSONIAN TO FED TRIANGLE	0.38	1.27	18.07	16.01	6.99	16.01	6.99	0.00	0.00
FED TRIANGLE TO METRO CENTER	0.31	1.42	13.08	18.50	9.95	18.50	9.95	0.00	0.00
METRO CENTER TO MCPHERSON SQ	0.45	1.36	19.67	25.09	9.40	25.09	9.40	0.00	0.00
MCPHERSON SQ TO FARRGUT WEST	0.38	1.26	17.85	21.82	9.68	21.82	9.68	0.00	0.00
FARRGUT WEST TO FOGGY BOTTOM	0.50	1.44	20.74	19.24	6.45	19.24	6.45	0.00	0.00
FOGGY BOTTOM TO ROSSLYN	1.37	2.56	32.06	47.77	5.83	47.77	5.83	0.00	0.00
ROSSLYN TO ARLNGTON CEM	0.94	1.98	28.45	39.68	7.05	39.68	7.05	0.00	0.00
ARLNGTON CEM TO PENTAGON	1.31	2.38	32.95	34.01	4.34	34.01	4.34	0.00	0.00
PENTAGON TO PENTGON CITY	0.63	1.41	26.94	30.87	8.13	30.87	8.13	0.00	0.00
PENTGON CITY TO CRYSTAL CITY	0.77	1.67	27.67	29.11	6.31	29.11	6.31	0.00	0.00
CRYSTAL CITY TO NAT AIRPORT	0.59	1.12	31.63	32.24	9.09	32.24	9.09	0.00	0.00
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	12.25	28.82	25.51	489.26	6.66	489.26	6.66	0.00	0.00

STATION SUMMARY

WMATA-CAM-P5-VAVE-6 CARS
 BLUE LINE PM PEAK NAT AIR-D/G JUNCTION
 COASTING ABOVE 50 MPH

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
				MILES	MIN	MPH	KWH	KWH/CM	KVA
NAT AIRPORT TO CRYSTAL CITY	0.59	1.65	21.40	19.55	5.52	19.55	5.52	0.00	0.00
CRYSTAL CITY TO PENTGON CITY	0.77	1.62	28.53	32.76	7.10	32.76	7.10	0.00	0.00
PENTGON CITY TO PENTAGON	0.63	1.56	24.32	25.10	6.61	25.10	6.61	0.00	0.00
PENTAGON TO ARLNGTON CEM	1.31	2.24	34.96	46.30	5.91	46.30	5.91	0.00	0.00
ARLNGTON CEM TO ROSSLYN	0.94	1.99	28.23	30.54	5.42	30.54	5.42	0.00	0.00
ROSSLYN TO FOGGY BOTTOM	1.37	2.32	35.40	53.82	6.56	53.82	6.56	0.00	0.00
FOGGY BOTTOM TO FARRGUT WEST	0.50	1.42	20.98	25.43	8.52	25.43	8.52	0.00	0.00
FARRGUT WEST TO MCPHERSON SQ	0.38	1.14	19.79	18.51	8.21	18.51	8.21	0.00	0.00
MCPHERSON SQ TO METRO CENTER	0.45	1.56	17.15	17.73	6.64	17.73	6.64	0.00	0.00
METRO CENTER TO FED TRIANGLE	0.31	1.27	14.63	16.37	8.81	16.37	8.81	0.00	0.00
FED TRIANGLE TO SMTHSONIAN	0.38	1.40	16.34	22.67	9.90	22.67	9.90	0.00	0.00
SMTHSONIAN TO L'ENFANT PLZ	0.50	1.36	22.11	19.68	6.55	19.68	6.55	0.00	0.00
L'ENFANT PLZ TO FED CENTR SW	0.33	1.21	16.48	18.43	9.24	18.43	9.24	0.00	0.00
FED CENTR SW TO CAPITOL SOUT	0.58	1.39	24.88	34.96	10.08	34.96	10.08	0.00	0.00
CAPITOL SOUT TO EASTN MARKET	0.51	1.40	21.96	28.45	9.26	28.45	9.26	0.00	0.00
EASTN MARKET TO POTOMAC AVE	0.62	1.50	24.99	27.99	7.49	27.99	7.49	0.00	0.00
POTOMAC AVE TO STADIUM ARMR	0.71	1.64	25.99	27.03	6.34	27.03	6.34	0.00	0.00
STADIUM ARMR TO DG JUNCTION	1.38	1.98	41.91	46.69	5.63	46.69	5.63	0.00	0.00
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	12.25	28.65	25.65	512.01	6.97	512.02	6.97	0.00	0.00
DG JUNCTION TO STADIUM ARMR	1.38	2.37	34.94	36.43	4.40	36.43	4.40	0.00	0.00
STADIUM ARMR TO POTOMAC AVE	0.71	1.67	25.48	26.19	6.15	26.19	6.15	0.00	0.00
POTOMAC AVE TO EASTN MARKET	0.62	1.48	25.22	27.46	7.35	27.46	7.35	0.00	0.00
EASTN MARKET TO CAPITOL SOUT	0.51	1.40	21.97	18.85	6.14	18.85	6.14	0.00	0.00
CAPITOL SOUT TO FED CENTR SW	0.58	1.40	24.85	21.06	6.07	21.06	6.07	0.00	0.00
FED CENTR SW TO L'ENFANT PLZ	0.33	1.19	16.70	17.27	8.66	17.27	8.66	0.00	0.00
L'ENFANT PLZ TO SMTHSONIAN	0.50	1.44	20.83	26.03	8.66	26.03	8.66	0.00	0.00
SMTHSONIAN TO FED TRIANGLE	0.38	1.27	18.07	15.78	6.89	15.78	6.89	0.00	0.00
FED TRIANGLE TO METRO CENTER	0.31	1.42	13.08	18.50	9.95	18.50	9.95	0.00	0.00
METRO CENTER TO MCPHERSON SQ	0.45	1.36	19.67	25.20	9.44	25.20	9.44	0.00	0.00
MCPHERSON SQ TO FARRGUT WEST	0.38	1.26	17.85	22.02	9.77	22.02	9.77	0.00	0.00
FARRGUT WEST TO FOGGY BOTTOM	0.50	1.44	20.74	19.81	6.64	19.81	6.64	0.00	0.00
FOGGY BOTTOM TO ROSSLYN	1.37	2.56	32.04	51.21	6.25	51.21	6.25	0.00	0.00
ROSSLYN TO ARLNGTON CEM	0.94	1.98	28.44	42.73	7.59	42.73	7.59	0.00	0.00
ARLNGTON CEM TO PENTAGON	1.31	2.38	32.90	36.42	4.65	36.42	4.65	0.00	0.00
PENTAGON TO PENTGON CITY	0.63	1.41	26.92	33.50	8.82	33.50	8.82	0.00	0.00
PENTGON CITY TO CRYSTAL CITY	0.77	1.67	27.67	29.68	6.43	29.68	6.43	0.00	0.00
CRYSTAL CITY TO NAT AIRPORT	0.59	1.12	31.63	32.50	9.17	32.50	9.17	0.00	0.00
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	12.25	28.82	25.50	500.64	6.81	500.64	6.81	0.00	0.00

STATION SUMMARY

WMATA-CAM-P5-VAVE-6 CARS
 BLUE LINE EVENING OFF PEAK NAT AIR-D/G J
 COASTING ABOVE 50 MPH

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
	MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
NAT AIRPORT TO CRYSTAL CITY	0.59	1.65	21.40	19.55	5.52	19.55	5.52	0.00	0.00
CRYSTAL CITY TO PENTGON CITY	0.77	1.62	28.53	32.28	6.99	32.28	6.99	0.00	0.00
PENTGON CITY TO PENTAGON	0.63	1.56	24.33	24.71	6.51	24.71	6.51	0.00	0.00
PENTAGON TO ARLNGTON CEM	1.31	2.24	34.98	45.27	5.77	45.27	5.77	0.00	0.00
ARLNGTON CEM TO ROSSLYN	0.94	1.99	28.24	29.71	5.28	29.71	5.28	0.00	0.00
ROSSLYN TO FOGGY BOTTOM	1.37	2.32	35.40	52.86	6.45	52.86	6.45	0.00	0.00
FOGGY BOTTOM TO FARRGUT WEST	0.50	1.42	20.98	24.78	8.30	24.78	8.30	0.00	0.00
FARRGUT WEST TO MCPHERSON SQ	0.38	1.14	19.79	17.52	7.77	17.52	7.77	0.00	0.00
MCPHERSON SQ TO METRO CENTER	0.45	1.56	17.15	16.71	6.26	16.71	6.26	0.00	0.00
METRO CENTER TO FED TRIANGLE	0.31	1.27	14.63	15.24	8.20	15.24	8.20	0.00	0.00
FED TRIANGLE TO SMTHSONIAN	0.38	1.40	16.34	21.09	9.21	21.09	9.21	0.00	0.00
SMTHSONIAN TO L'ENFANT PLZ	0.50	1.36	22.11	18.29	6.09	18.29	6.09	0.00	0.00
L'ENFANT PLZ TO FED CENTR SW	0.33	1.21	16.48	17.13	8.59	17.13	8.59	0.00	0.00
FED CENTR SW TO CAPITOL SOUT	0.58	1.39	24.89	32.73	9.44	32.73	9.44	0.00	0.00
CAPITOL SOUT TO EASTN MARKET	0.51	1.40	21.96	26.70	8.69	26.70	8.69	0.00	0.00
EASTN MARKET TO POTOMAC AVE	0.62	1.50	24.99	26.77	7.16	26.77	7.16	0.00	0.00
POTOMAC AVE TO STADIUM ARMR	0.71	1.64	25.99	26.23	6.16	26.23	6.16	0.00	0.00
STADIUM ARMR TO DG JUNCTION	1.38	1.98	41.91	46.69	5.63	46.69	5.63	0.00	0.00

	12.25	28.65	25.65	494.27	6.72	494.27	6.72	0.00	0.00

DG JUNCTION TO STADIUM ARMR	1.38	2.37	34.94	36.43	4.40	36.43	4.40	0.00	0.00
STADIUM ARMR TO POTOMAC AVE	0.71	1.67	25.48	26.19	6.15	26.19	6.15	0.00	0.00
POTOMAC AVE TO EASTN MARKET	0.62	1.48	25.22	27.40	7.33	27.40	7.33	0.00	0.00
EASTN MARKET TO CAPITOL SOUT	0.51	1.40	21.97	18.80	6.12	18.80	6.12	0.00	0.00
CAPITOL SOUT TO FED CENTR SW	0.58	1.40	24.85	21.01	6.06	21.01	6.06	0.00	0.00
FED CENTR SW TO L'ENFANT PLZ	0.33	1.19	16.70	17.15	8.60	17.15	8.60	0.00	0.00
L'ENFANT PLZ TO SMTHSONIAN	0.50	1.44	20.83	25.72	8.56	25.72	8.56	0.00	0.00
SMTHSONIAN TO FED TRIANGLE	0.38	1.27	18.07	15.26	6.66	15.26	6.66	0.00	0.00
FED TRIANGLE TO METRO CENTER	0.31	1.42	13.08	17.58	9.46	17.58	9.46	0.00	0.00
METRO CENTER TO MCPHERSON SQ	0.45	1.36	19.67	23.78	8.91	23.78	8.91	0.00	0.00
MCPHERSON SQ TO FARRGUT WEST	0.38	1.26	17.85	20.72	9.20	20.72	9.20	0.00	0.00
FARRGUT WEST TO FOGGY BOTTOM	0.50	1.44	20.74	18.38	6.16	18.38	6.16	0.00	0.00
FOGGY BOTTOM TO ROSSLYN	1.37	2.56	32.06	46.91	5.72	46.91	5.72	0.00	0.00
ROSSLYN TO ARLNGTON CEM	0.94	1.98	28.45	39.41	7.00	39.41	7.00	0.00	0.00
ARLNGTON CEM TO PENTAGON	1.31	2.38	32.95	33.59	4.29	33.59	4.29	0.00	0.00
PENTAGON TO PENTGON CITY	0.63	1.41	26.94	30.41	8.01	30.41	8.01	0.00	0.00
PENTGON CITY TO CRYSTAL CITY	0.77	1.67	27.67	28.84	6.25	28.84	6.25	0.00	0.00
CRYSTAL CITY TO NAT AIRPORT	0.59	1.12	31.63	31.89	9.00	31.89	9.00	0.00	0.00

	12.25	28.82	25.51	479.46	6.52	479.46	6.52	0.00	0.00

STATION SUMMARY

WMATA-CAM-P5-VAVE-6 CARS
 ORANGE LINE AM PEAK BALL-NEW CARR
 COASTING ABOVE 50 MPH

		DISTANCE	TIME	SPEED	ENERGY				FUEL	
		MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
BALLSTON	TO VIRGINIA SQ	0.56	1.60	21.19	22.58	6.68	22.58	6.68	0.00	0.00
VIRGINIA SQ	TO CLARENDON	0.47	1.26	22.33	22.94	8.17	22.94	8.17	0.00	0.00
CLARENDON	TO COURTHOUSE	0.51	1.38	22.05	19.10	6.26	19.10	6.26	0.00	0.00
COURTHOUSE	TO ROSSLYN	1.09	2.31	28.25	23.04	3.53	23.04	3.53	0.00	0.00
ROSSLYN	TO FOGGY BOTTOM	1.37	2.32	35.38	58.60	7.15	58.60	7.15	0.00	0.00
FOGGY BOTTOM	TO FARRGUT WEST	0.50	1.42	20.98	26.98	9.04	26.98	9.04	0.00	0.00
FARRGUT WEST	TO MCPHERSON SQ	0.38	1.14	19.79	18.42	8.18	18.42	8.18	0.00	0.00
MCPHERSON SQ	TO METRO CENTER	0.45	1.56	17.15	17.23	6.45	17.23	6.45	0.00	0.00
METRO CENTER	TO FED TRIANGLE	0.31	1.27	14.63	15.88	8.54	15.88	8.54	0.00	0.00
FED TRIANGLE	TO SMTHSONIAN	0.38	1.40	16.34	21.73	9.48	21.73	9.48	0.00	0.00
SMTHSONIAN	TO L'ENFANT PLZ	0.50	1.36	22.11	18.57	6.18	18.57	6.18	0.00	0.00
L'ENFANT PLZ	TO FED CENTR SW	0.33	1.21	16.48	17.13	8.59	17.13	8.59	0.00	0.00
FED CENTR SW	TO CAPITOL SOUT	0.58	1.39	24.89	32.55	9.38	32.55	9.38	0.00	0.00
CAPITOL SOUT	TO EASTN MARKET	0.51	1.40	21.96	26.39	8.59	26.39	8.59	0.00	0.00
EASTN MARKET	TO POTOMAC AVE	0.62	1.50	24.99	26.61	7.12	26.61	7.12	0.00	0.00
POTOMAC AVE	TO STADIUM ARM	0.71	1.74	24.50	26.43	6.20	26.43	6.20	0.00	0.00
STADIUM ARM	TO MINNESOTA AV	2.09	3.47	36.07	66.39	5.30	66.39	5.30	0.00	0.00
MINNESOTA AV	TO DEANWOOD	0.88	1.80	29.45	32.19	6.08	32.19	6.08	0.00	0.00
DEANWOOD	TO CHEVERLY	1.10	1.87	35.29	39.43	5.99	39.43	5.99	0.00	0.00
CHEVERLY	TO LANDOVER	1.83	2.63	41.69	45.55	4.15	45.55	4.15	0.00	0.00
LANDOVER	TO NEW CARRLTON	1.41	2.17	39.10	43.19	5.10	43.19	5.10	0.00	0.00
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		16.57	36.20	27.47	620.92	6.24	620.92	6.24	0.00	0.00
NEW CARRLTON	TO LANDOVER	1.41	2.55	33.20	39.77	4.70	39.77	4.70	0.00	0.00
LANDOVER	TO CHEVERLY	1.83	2.59	42.35	40.64	3.70	40.64	3.70	0.00	0.00
CHEVERLY	TO DEANWOOD	1.10	1.99	33.05	41.55	6.31	41.55	6.31	0.00	0.00
DEANWOOD	TO MINNESOTA AV	0.88	1.68	31.58	29.47	5.56	29.47	5.56	0.00	0.00
MINNESOTA AV	TO STADIUM ARM	2.09	3.28	38.22	48.83	3.90	48.83	3.90	0.00	0.00
STADIUM ARM	TO POTOMAC AVE	0.71	1.67	25.48	28.01	6.57	28.01	6.57	0.00	0.00
POTOMAC AVE	TO EASTN MARKET	0.62	1.48	25.22	28.34	7.58	28.34	7.58	0.00	0.00
EASTN MARKET	TO CAPITOL SOUT	0.51	1.40	21.97	20.00	6.51	20.00	6.51	0.00	0.00
CAPITOL SOUT	TO FED CENTR SW	0.58	1.40	24.85	22.43	6.47	22.43	6.47	0.00	0.00
FED CENTR SW	TO L'ENFANT PLZ	0.33	1.19	16.70	18.27	9.16	18.27	9.16	0.00	0.00
L'ENFANT PLZ	TO SMTHSONIAN	0.50	1.44	20.83	27.44	9.13	27.44	9.13	0.00	0.00
SMTHSONIAN	TO FED TRIANGLE	0.38	1.27	18.07	16.43	7.17	16.43	7.17	0.00	0.00
FED TRIANGLE	TO METRO CENTER	0.31	1.42	13.08	18.58	10.00	18.58	10.00	0.00	0.00
METRO CENTER	TO MCPHERSON SQ	0.45	1.36	19.67	24.99	9.36	24.99	9.36	0.00	0.00
MCPHERSON SQ	TO FARRGUT WEST	0.38	1.26	17.85	21.82	9.68	21.82	9.68	0.00	0.00
FARRGUT WEST	TO FOGGY BOTTOM	0.50	1.44	20.74	19.06	6.39	19.06	6.39	0.00	0.00
FOGGY BOTTOM	TO ROSSLYN	1.37	2.56	32.06	46.91	5.72	46.91	5.72	0.00	0.00
ROSSLYN	TO COURTHOUSE	1.09	2.16	30.18	62.42	9.56	62.42	9.56	0.00	0.00
COURTHOUSE	TO CLARENDON	0.51	1.38	22.05	30.26	9.91	30.26	9.91	0.00	0.00
CLARENDON	TO VIRGINIA SQ	0.47	1.34	20.94	17.98	6.40	17.98	6.40	0.00	0.00
VIRGINIA SQ	TO BALLSTON	0.56	1.33	25.48	21.74	6.42	21.74	6.42	0.00	0.00
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		16.57	36.20	27.47	624.93	6.28	624.93	6.28	0.00	0.00

STATION SUMMARY

WMATA-CAM-P5-VAVE-6 CARS
 ORANGE LINE MIDDAY OFF PEAK BALL-NEW CAR
 COASTING ABOVE 50 MPH

		DISTANCE	TIME	SPEED	ENERGY				FUEL	
		MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
BALLSTON	TO VIRGINIA SQ	0.56	1.60	21.19	22.03	6.52	22.03	6.52	0.00	0.00
VIRGINIA SQ	TO CLARENDON	0.47	1.26	22.33	21.94	7.81	21.94	7.81	0.00	0.00
CLARENDON	TO COURTHOUSE	0.51	1.38	22.05	18.06	5.92	18.06	5.92	0.00	0.00
COURTHOUSE	TO ROSSLYN	1.09	2.31	28.25	21.91	3.35	21.91	3.35	0.00	0.00
ROSSLYN	TO FOGGY BOTTOM	1.37	2.32	35.40	54.74	6.68	54.74	6.68	0.00	0.00
FOGGY BOTTOM	TO FARRGUT WEST	0.50	1.42	20.98	25.96	8.70	25.96	8.70	0.00	0.00
FARRGUT WEST	TO MCPHERSON SQ	0.38	1.14	19.79	18.42	8.18	18.42	8.18	0.00	0.00
MCPHERSON SQ	TO METRO CENTER	0.45	1.56	17.15	17.51	6.56	17.51	6.56	0.00	0.00
METRO CENTER	TO FED TRIANGLE	0.31	1.27	14.63	16.12	8.67	16.12	8.67	0.00	0.00
FED TRIANGLE	TO SMTHSONIAN	0.38	1.40	16.34	22.14	9.66	22.14	9.66	0.00	0.00
SMTHSONIAN	TO L'ENFANT PLZ	0.50	1.36	22.11	18.82	6.26	18.82	6.26	0.00	0.00
L'ENFANT PLZ	TO FED CENTR SW	0.33	1.21	16.48	17.46	8.75	17.46	8.75	0.00	0.00
FED CENTR SW	TO CAPITOL SOUT	0.58	1.39	24.88	33.20	9.57	33.20	9.57	0.00	0.00
CAPITOL SOUT	TO EASTN MARKET	0.51	1.40	21.96	26.70	8.69	26.70	8.69	0.00	0.00
EASTN MARKET	TO POTOMAC AVE	0.62	1.50	24.99	26.83	7.18	26.83	7.18	0.00	0.00
POTOMAC AVE	TO STADIUM ARMR	0.71	1.74	24.50	26.57	6.24	26.57	6.24	0.00	0.00
STADIUM ARMR	TO MINNESOTA AV	2.09	3.47	36.06	67.74	5.41	67.74	5.41	0.00	0.00
MINNESOTA AV	TO DEANWOOD	0.88	1.80	29.45	32.38	6.11	32.38	6.11	0.00	0.00
DEANWOOD	TO CHEVERLY	1.10	1.87	35.28	40.08	6.08	40.08	6.08	0.00	0.00
CHEVERLY	TO LANDOVER	1.83	2.64	41.67	46.11	4.20	46.11	4.20	0.00	0.00
LANDOVER	TO NEW CARRLTON	1.41	2.17	39.10	43.42	5.12	43.42	5.12	0.00	0.00
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		16.57	36.20	27.47	618.13	6.22	618.13	6.22	0.00	0.00
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NEW CARRLTON	TO LANDOVER	1.41	2.55	33.20	39.77	4.70	39.77	4.70	0.00	0.00
LANDOVER	TO CHEVERLY	1.83	2.59	42.38	39.52	3.60	39.52	3.60	0.00	0.00
CHEVERLY	TO DEANWOOD	1.10	1.99	33.05	41.24	6.26	41.24	6.26	0.00	0.00
DEANWOOD	TO MINNESOTA AV	0.88	1.68	31.61	28.35	5.35	28.35	5.35	0.00	0.00
MINNESOTA AV	TO STADIUM ARMR	2.09	3.27	38.26	46.06	3.68	46.06	3.68	0.00	0.00
STADIUM ARMR	TO POTOMAC AVE	0.71	1.67	25.48	26.63	6.25	26.63	6.25	0.00	0.00
POTOMAC AVE	TO EASTN MARKET	0.62	1.48	25.22	27.64	7.39	27.64	7.39	0.00	0.00
EASTN MARKET	TO CAPITOL SOUT	0.51	1.40	21.97	19.13	6.23	19.13	6.23	0.00	0.00
CAPITOL SOUT	TO FED CENTR SW	0.58	1.40	24.85	21.40	6.17	21.40	6.17	0.00	0.00
FED CENTR SW	TO L'ENFANT PLZ	0.33	1.19	16.70	17.56	8.80	17.56	8.80	0.00	0.00
L'ENFANT PLZ	TO SMTHSONIAN	0.50	1.44	20.83	26.55	8.83	26.55	8.83	0.00	0.00
SMTHSONIAN	TO FED TRIANGLE	0.38	1.27	18.07	16.01	6.99	16.01	6.99	0.00	0.00
FED TRIANGLE	TO METRO CENTER	0.31	1.42	13.08	18.50	9.95	18.50	9.95	0.00	0.00
METRO CENTER	TO MCPHERSON SQ	0.45	1.36	19.67	25.09	9.40	25.09	9.40	0.00	0.00
MCPHERSON SQ	TO FARRGUT WEST	0.38	1.26	17.85	21.82	9.68	21.82	9.68	0.00	0.00
FARRGUT WEST	TO FOGGY BOTTOM	0.50	1.44	20.74	19.24	6.45	19.24	6.45	0.00	0.00
FOGGY BOTTOM	TO ROSSLYN	1.37	2.56	32.06	47.77	5.83	47.77	5.83	0.00	0.00
ROSSLYN	TO COURTHOUSE	1.09	2.16	30.18	63.26	9.68	63.26	9.68	0.00	0.00
COURTHOUSE	TO CLARENDON	0.51	1.38	22.05	30.63	10.03	30.63	10.03	0.00	0.00
CLARENDON	TO VIRGINIA SQ	0.47	1.34	20.94	18.13	6.46	18.13	6.46	0.00	0.00
VIRGINIA SQ	TO BALLSTON	0.56	1.33	25.48	21.84	6.45	21.84	6.45	0.00	0.00
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		16.57	36.20	27.47	618.15	6.20	618.15	6.20	0.00	0.00

STATION SUMMARY

WMATA-CAM-P5-VAVE-6 CARS
 ORANGE LINE PM PEAK BALL-NEW CARR
 COASTING ABOVE 50 MPH

		DISTANCE	TIME	SPEED	ENERGY				FUEL	
		MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
BALLSTON	TO VIRGINIA SQ	0.56	1.60	21.19	21.97	6.50	21.97	6.50	0.00	0.00
VIRGINIA SQ	TO CLARENDON	0.47	1.26	22.33	21.69	7.72	21.69	7.72	0.00	0.00
CLARENDON	TO COURTHOUSE	0.51	1.38	22.05	17.84	5.84	17.84	5.84	0.00	0.00
COURTHOUSE	TO ROSSLYN	1.09	2.31	28.25	21.62	3.31	21.62	3.31	0.00	0.00
ROSSLYN	TO FOGGY BOTTOM	1.37	2.32	35.40	53.82	6.56	53.82	6.56	0.00	0.00
FOGGY BOTTOM	TO FARRGUT WEST	0.50	1.42	20.98	25.43	8.52	25.43	8.52	0.00	0.00
FARRGUT WEST	TO MCPHERSON SQ	0.38	1.14	19.79	18.51	8.21	18.51	8.21	0.00	0.00
MCPHERSON SQ	TO METRO CENTER	0.45	1.56	17.15	17.73	6.64	17.73	6.64	0.00	0.00
METRO CENTER	TO FED TRIANGLE	0.31	1.27	14.63	16.37	8.81	16.37	8.81	0.00	0.00
FED TRIANGLE	TO SMTHSONIAN	0.38	1.40	16.34	22.67	9.90	22.67	9.90	0.00	0.00
SMTHSONIAN	TO L'ENFANT PLZ	0.50	1.36	22.11	19.68	6.55	19.68	6.55	0.00	0.00
L'ENFANT PLZ	TO FED CENTR SW	0.33	1.21	16.48	18.43	9.24	18.43	9.24	0.00	0.00
FED CENTR SW	TO CAPITOL SOUT	0.58	1.39	24.88	34.96	10.08	34.96	10.08	0.00	0.00
CAPITOL SOUT	TO EASTN MARKET	0.51	1.40	21.96	28.45	9.26	28.45	9.26	0.00	0.00
EASTN MARKET	TO POTOMAC AVE	0.62	1.50	24.99	27.99	7.49	27.99	7.49	0.00	0.00
POTOMAC AVE	TO STADIUM ARM	0.71	1.74	24.50	27.33	6.41	27.33	6.41	0.00	0.00
STADIUM ARM	TO MINNESOTA AV	2.09	3.48	36.02	71.11	5.68	71.11	5.68	0.00	0.00
MINNESOTA AV	TO DEANWOOD	0.88	1.80	29.44	33.39	6.30	33.39	6.30	0.00	0.00
DEANWOOD	TO CHEVERLY	1.10	1.87	35.26	41.72	6.33	41.72	6.33	0.00	0.00
CHEVERLY	TO LANDOVER	1.83	2.64	41.58	48.33	4.40	48.33	4.40	0.00	0.00
LANDOVER	TO NEW CARRLTON	1.41	2.17	39.10	44.84	5.29	44.84	5.29	0.00	0.00
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		16.57	36.21	27.46	633.91	6.38	633.91	6.38	0.00	0.00
NEW CARRLTON	TO LANDOVER	1.41	2.55	33.20	39.77	4.70	39.77	4.70	0.00	0.00
LANDOVER	TO CHEVERLY	1.83	2.59	42.38	39.49	3.60	39.49	3.60	0.00	0.00
CHEVERLY	TO DEANWOOD	1.10	1.99	33.05	40.84	6.20	40.84	6.20	0.00	0.00
DEANWOOD	TO MINNESOTA AV	0.88	1.68	31.62	27.75	5.24	27.75	5.24	0.00	0.00
MINNESOTA AV	TO STADIUM ARM	2.09	3.25	38.56	49.45	3.95	49.45	3.95	0.00	0.00
STADIUM ARM	TO POTOMAC AVE	0.71	1.67	25.48	26.33	6.18	26.33	6.18	0.00	0.00
POTOMAC AVE	TO EASTN MARKET	0.62	1.48	25.22	27.46	7.35	27.46	7.35	0.00	0.00
EASTN MARKET	TO CAPITOL SOUT	0.51	1.40	21.97	18.85	6.14	18.85	6.14	0.00	0.00
CAPITOL SOUT	TO FED CENTR SW	0.58	1.40	24.85	21.06	6.07	21.06	6.07	0.00	0.00
FED CENTR SW	TO L'ENFANT PLZ	0.33	1.19	16.70	17.27	8.66	17.27	8.66	0.00	0.00
L'ENFANT PLZ	TO SMTHSONIAN	0.50	1.44	20.83	26.03	8.66	26.03	8.66	0.00	0.00
SMTHSONIAN	TO FED TRIANGLE	0.38	1.27	18.07	15.78	6.89	15.78	6.89	0.00	0.00
FED TRIANGLE	TO METRO CENTER	0.31	1.42	13.08	18.50	9.95	18.50	9.95	0.00	0.00
METRO CENTER	TO MCPHERSON SQ	0.45	1.36	19.67	25.20	9.44	25.20	9.44	0.00	0.00
MCPHERSON SQ	TO FARRGUT WEST	0.38	1.26	17.85	22.02	9.77	22.02	9.77	0.00	0.00
FARRGUT WEST	TO FOGGY BOTTOM	0.50	1.44	20.74	19.81	6.64	19.81	6.64	0.00	0.00
FOGGY BOTTOM	TO ROSSLYN	1.37	2.56	32.04	51.21	6.25	51.21	6.25	0.00	0.00
ROSSLYN	TO COURTHOUSE	1.09	2.16	30.19	68.32	10.46	68.32	10.46	0.00	0.00
COURTHOUSE	TO CLARENDON	0.51	1.38	22.05	33.07	10.83	33.07	10.83	0.00	0.00
CLARENDON	TO VIRGINIA SQ	0.47	1.34	20.94	19.59	6.98	19.59	6.98	0.00	0.00
VIRGINIA SQ	TO BALLSTON	0.56	1.33	25.48	22.82	6.74	22.82	6.74	0.00	0.00
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		16.57	36.17	27.49	630.62	6.34	630.62	6.34	0.00	0.00

STATION SUMMARY

WMATA-CAM-P5-VAVE-6 CARS
ORANGE LINE EVENING OFF PEAK BALL-NEW CA
COASTING ABOVE 50 MPH

		DISTANCE	TIME	SPEED	ENERGY				FUEL	
		MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
BALLSTON	TO VIRGINIA SQ	0.56	1.60	21.19	21.94	6.49	21.94	6.49	0.00	0.00
VIRGINIA SQ	TO CLARENDON	0.47	1.26	22.33	21.63	7.70	21.63	7.70	0.00	0.00
CLARENDON	TO COURTHOUSE	0.51	1.38	22.05	17.74	5.81	17.74	5.81	0.00	0.00
COURTHOUSE	TO ROSSLYN	1.09	2.31	28.25	21.58	3.30	21.58	3.30	0.00	0.00
ROSSLYN	TO FOGGYBOTTOM	1.37	2.32	35.40	52.86	6.45	52.86	6.45	0.00	0.00
FOGGYBOTTOM	TO FARRGUT WEST	0.50	1.42	20.98	24.78	8.30	24.78	8.30	0.00	0.00
FARRGUT WEST	TO MCPHERSON SQ	0.38	1.14	19.79	17.52	7.77	17.52	7.77	0.00	0.00
MCPHERSON SQ	TO METRO CENTER	0.45	1.56	17.15	16.71	6.26	16.71	6.26	0.00	0.00
METRO CENTER	TO FED TRIANGLE	0.31	1.27	14.63	15.24	8.20	15.24	8.20	0.00	0.00
FED TRIANGLE	TO SMTHSONIAN	0.38	1.40	16.34	21.09	9.21	21.09	9.21	0.00	0.00
SMTHSONIAN	TO L'ENFANT PLZ	0.50	1.36	22.11	18.29	6.09	18.29	6.09	0.00	0.00
L'ENFANT PLZ	TO FED CENTR SW	0.33	1.21	16.48	17.13	8.59	17.13	8.59	0.00	0.00
FED CENTR SW	TO CAPITOL SOUT	0.58	1.39	24.89	32.73	9.44	32.73	9.44	0.00	0.00
CAPITOL SOUT	TO EASTN MARKET	0.51	1.40	21.96	26.70	8.69	26.70	8.69	0.00	0.00
EASTN MARKET	TO POTOMAC AVE	0.62	1.50	24.99	26.77	7.16	26.77	7.16	0.00	0.00
POTOMAC AVE	TO STADIUM ARMR	0.71	1.74	24.50	26.53	6.23	26.53	6.23	0.00	0.00
STADIUM ARMR	TO MINNESOTA AV	2.09	3.47	36.06	67.74	5.41	67.74	5.41	0.00	0.00
MINNESOTA AV	TO DEANWOOD	0.88	1.80	29.45	32.38	6.11	32.38	6.11	0.00	0.00
DEANWOOD	TO CHEVERLY	1.10	1.87	35.28	40.08	6.08	40.08	6.08	0.00	0.00
CHEVERLY	TO LANDOVER	1.83	2.64	41.67	46.11	4.20	46.11	4.20	0.00	0.00
LANDOVER	TO NEW CARRLTON	1.41	2.17	39.10	43.42	5.12	43.42	5.12	0.00	0.00
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		16.57	36.20	27.47	608.97	6.12	608.97	6.12	0.00	0.00
NEW CARRLTON	TO LANDOVER	1.41	2.55	33.20	39.77	4.70	39.77	4.70	0.00	0.00
LANDOVER	TO CHEVERLY	1.83	2.59	42.39	39.41	3.59	39.41	3.59	0.00	0.00
CHEVERLY	TO DEANWOOD	1.10	1.99	33.05	40.84	6.20	40.84	6.20	0.00	0.00
DEANWOOD	TO MINNESOTA AV	0.88	1.68	31.62	27.67	5.22	27.67	5.22	0.00	0.00
MINNESOTA AV	TO STADIUM ARMR	2.09	3.25	38.56	49.26	3.93	49.26	3.93	0.00	0.00
STADIUM ARMR	TO POTOMAC AVE	0.71	1.67	25.48	26.28	6.17	26.28	6.17	0.00	0.00
POTOMAC AVE	TO EASTN MARKET	0.62	1.48	25.22	27.40	7.33	27.40	7.33	0.00	0.00
EASTN MARKET	TO CAPITOL SOUT	0.51	1.40	21.97	18.80	6.12	18.80	6.12	0.00	0.00
CAPITOL SOUT	TO FED CENTR SW	0.58	1.40	24.85	21.01	6.06	21.01	6.06	0.00	0.00
FED CENTR SW	TO L'ENFANT PLZ	0.33	1.19	16.70	17.15	8.60	17.15	8.60	0.00	0.00
L'ENFANT PLZ	TO SMTHSONIAN	0.50	1.44	20.83	25.72	8.56	25.72	8.56	0.00	0.00
SMTHSONIAN	TO FED TRIANGLE	0.38	1.27	18.07	15.26	6.66	15.26	6.66	0.00	0.00
FED TRIANGLE	TO METRO CENTER	0.31	1.42	13.08	17.58	9.46	17.58	9.46	0.00	0.00
METRO CENTER	TO MCPHERSON SQ	0.45	1.36	19.67	23.78	8.91	23.78	8.91	0.00	0.00
MCPHERSON SQ	TO FARRGUT WEST	0.38	1.26	17.85	20.72	9.20	20.72	9.20	0.00	0.00
FARRGUT WEST	TO FOGGY BOTTOM	0.50	1.44	20.74	18.38	6.16	18.38	6.16	0.00	0.00
FOGGY BOTTOM	TO ROSSLYN	1.37	2.56	32.06	46.91	5.72	46.91	5.72	0.00	0.00
ROSSLYN	TO COURTHOUSE	1.09	2.16	30.18	62.80	9.61	62.80	9.61	0.00	0.00
COURTHOUSE	TO CLARENDON	0.51	1.38	22.05	30.76	10.07	30.76	10.07	0.00	0.00
CLARENDON	TO VIRGINIA SQ	0.47	1.34	20.94	18.13	6.46	18.13	6.46	0.00	0.00
VIRGINIA SQ	TO BALLSTON	0.56	1.33	25.48	21.84	6.45	21.84	6.45	0.00	0.00
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		16.57	36.17	27.49	609.46	6.13	609.46	6.13	0.00	0.00

9.6.2.

**COASTING (ABOVE 50 MPH) - PL1 OPERATION
TPS STATION SUMMARIES**

STATION SUMMARY

WMATA-CAM-P5-VAVE-6 CARS
 RED LINE AM PEAK OUTBND
 COASTING ABOVE 50 MPH

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
	MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
DUPONT CIRCL TO FARRAGUT NOR	0.51	1.40	22.01	30.24	9.84	30.24	9.84	0.00	0.00
FARRAGUT NOR TO METRO CENTER	0.78	1.80	26.04	25.20	5.36	25.20	5.36	0.00	0.00
METRO CENTER TO GALLERY PL	0.29	1.04	16.47	21.24	12.42	21.24	12.42	0.00	0.00
GALLERY PL TO JUDICIARY SQ	0.37	1.15	19.46	24.40	10.93	24.40	10.93	0.00	0.00
JUDICIARY SQ TO UNION STATN	0.65	1.68	23.25	34.50	8.83	34.50	8.83	0.00	0.00
UNION STATN TO RHODE ISLND	1.76	2.76	38.38	64.67	6.11	64.67	6.11	0.00	0.00
RHODE ISLND TO BROOKLAND	0.86	1.69	30.64	30.14	5.82	30.14	5.82	0.00	0.00
BROOKLAND TO FORT TOTTEN	1.35	2.15	37.48	40.29	4.99	40.29	4.99	0.00	0.00
FORT TOTTEN TO TAKOMA	1.90	2.71	42.06	57.08	5.01	57.08	5.01	0.00	0.00
TAKOMA TO SILVER SPRNG	1.42	1.88	45.32	40.30	4.73	40.30	4.73	0.00	0.00
	9.89	18.26	32.52	368.06	6.20	368.06	6.20	0.00	0.00

STATION SUMMARY

WMATA-CAM-P5-VAVE-6 CARS
 RED LINE AM PEAK INBND
 COASTING ABOVE 50 MPH

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
	MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
SILVER SPRNG TO TAKOMA	1.42	2.50	34.10	30.73	3.61	30.73	3.61	0.00	0.00
TAKOMA TO FORT TOTTEN	1.90	3.01	37.91	28.85	2.53	28.85	2.53	0.00	0.00
FORT TOTTEN TO BROOKLAND	1.35	2.31	34.98	26.47	3.28	26.47	3.28	0.00	0.00
BROOKLAND TO RHODE ISLND	0.86	1.68	30.72	30.62	5.92	30.62	5.92	0.00	0.00
RHODE ISLND TO UNION STATN	1.76	2.90	36.46	30.03	2.84	30.03	2.84	0.00	0.00
UNION STATN TO JUDICIARY SQ	0.65	1.56	24.98	31.07	7.95	31.07	7.95	0.00	0.00
JUDICIARY SQ TO GALLERY PL	0.37	1.15	19.42	22.67	10.15	22.67	10.15	0.00	0.00
GALLERY PL TO METRO CENTER	0.29	1.22	13.99	23.63	13.82	23.63	13.82	0.00	0.00
METRO CENTER TO FARRAGUT NOR	0.78	1.72	27.30	37.01	7.88	37.01	7.88	0.00	0.00
FARRAGUT NOR TO DUPONT CIRCL	0.51	0.90	34.23	23.32	7.57	23.32	7.57	0.00	0.00
	9.89	18.95	31.32	284.39	4.79	284.39	4.79	0.00	0.00

STATION SUMMARY

WMATA-CAM-P5-VAVE-8 CARS
 RED LINE AM PEAK OUTBND
 COASTING ABOVE 50 MPH

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
	MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
DUPONT CIRCL TO FARRAGUT NOR	0.51	1.40	22.01	40.27	9.83	40.27	9.83	0.00	0.00
FARRAGUT NOR TO METRO CENTER	0.78	1.80	26.04	33.58	5.36	33.58	5.36	0.00	0.00
METRO CENTER TO GALLERY PL	0.29	1.04	16.47	28.32	12.42	28.32	12.42	0.00	0.00
GALLERY PL TO JUDICIARY SQ	0.37	1.15	19.46	32.48	10.91	32.48	10.91	0.00	0.00
JUDICIARY SQ TO UNION STATN	0.65	1.68	23.25	45.95	8.82	45.95	8.82	0.00	0.00
UNION STATN TO RHODE ISLND	1.76	2.76	38.37	85.91	6.09	85.91	6.09	0.00	0.00
RHODE ISLND TO BROOKLAND	0.86	1.69	30.63	40.10	5.81	40.10	5.81	0.00	0.00
BROOKLAND TO FORT TOTTEN	1.35	2.15	37.46	53.53	4.97	53.53	4.97	0.00	0.00
FORT TOTTEN TO TAKOMA	1.90	2.71	42.03	75.11	4.94	75.11	4.94	0.00	0.00
TAKOMA TO SILVER SPRNG	1.42	1.88	45.29	52.94	4.66	52.94	4.66	0.00	0.00
	9.89	18.26	32.51	488.19	6.17	488.19	6.17	0.00	0.00

STATION SUMMARY

WMATA-CAM-P5-VAVE-8 CARS
 RED LINE AM PEAK INBND
 COASTING ABOVE 50 MPH

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
	MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
SILVER SPRNG TO TAKOMA	1.42	2.50	34.09	40.91	3.61	40.91	3.61	0.00	0.00
TAKOMA TO FORT TOTTEN	1.90	3.01	37.92	38.45	2.53	38.45	2.53	0.00	0.00
FORT TOTTEN TO BROOKLAND	1.35	2.31	34.91	35.30	3.28	35.30	3.28	0.00	0.00
BROOKLAND TO RHODE ISLND	0.86	1.68	30.71	40.04	5.80	40.04	5.80	0.00	0.00
RHODE ISLND TO UNION STATN	1.76	2.91	36.42	40.04	2.84	40.04	2.84	0.00	0.00
UNION STATN TO JUDICIARY SQ	0.65	1.56	24.98	41.39	7.95	41.39	7.95	0.00	0.00
JUDICIARY SQ TO GALLERY PL	0.37	1.15	19.42	30.22	10.15	30.22	10.15	0.00	0.00
GALLERY PL TO METRO CENTER	0.29	1.22	13.99	31.50	13.81	31.50	13.81	0.00	0.00
METRO CENTER TO FARRAGUT NOR	0.78	1.72	27.30	49.19	7.85	49.19	7.85	0.00	0.00
FARRAGUT NOR TO DUPONT CIRCL	0.51	0.90	34.23	30.27	7.37	30.27	7.37	0.00	0.00
	9.89	18.96	31.30	377.30	4.77	377.30	4.77	0.00	0.00

STATION SUMMARY

WMATA-CAM-P5-VAVE-6 CARS
 BLUE LINE AM PEAK NAT AIR-DG JUNC
 COASTING ABOVE 50 MPH

	DISTANCE	TIME	SPEED	ENERGY				FUEL		
				MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM
NAT AIRPORT TO CRYSTAL CITY	0.59	1.64	21.62	19.85	5.61	19.85	5.61	0.00	0.00	
CRYSTAL CITY TO PENTGON CITY	0.77	1.57	29.39	32.60	7.06	32.60	7.06	0.00	0.00	
PENTGON CITY TO PENTAGON	0.63	1.56	24.42	23.47	6.18	23.47	6.18	0.00	0.00	
PENTAGON TO ARLNGTON CEM	1.31	2.17	36.11	46.52	5.93	46.52	5.93	0.00	0.00	
ARLNGTON CEM TO ROSSLYN	0.94	1.98	28.40	31.00	5.51	31.00	5.51	0.00	0.00	
ROSSLYN TO FOGGY BOTTOM	1.37	2.20	37.33	52.58	6.41	52.58	6.41	0.00	0.00	
FOGGY BOTTOM TO FARRGUT WEST	0.50	1.41	21.18	28.70	9.62	28.70	9.62	0.00	0.00	
FARRGUT WEST TO MCPHERSON SQ	0.38	1.08	20.78	21.90	9.72	21.90	9.72	0.00	0.00	
MCPHERSON SQ TO METRO CENTER	0.45	1.49	17.87	18.17	6.81	18.17	6.81	0.00	0.00	
METRO CENTER TO FED TRIANGLE	0.31	1.20	15.51	22.84	12.29	22.84	12.29	0.00	0.00	
FED TRIANGLE TO SMTHSONIAN	0.38	1.39	16.51	23.57	10.29	23.58	10.29	0.00	0.00	
SMTHSONIAN TO L'ENFANT PLZ	0.50	1.29	23.31	20.93	6.96	20.93	6.96	0.00	0.00	
L'ENFANT PLZ TO FED CENTR SW	0.33	1.13	17.68	20.94	10.50	20.94	10.50	0.00	0.00	
FED CENTR SW TO CAPITOL SOUT	0.58	1.36	25.44	31.06	8.95	31.06	8.95	0.00	0.00	
CAPITOL SOUT TO EASTN MARKET	0.51	1.33	23.12	30.20	9.83	30.20	9.83	0.00	0.00	
EASTN MARKET TO POTOMAC AVE	0.62	1.49	25.07	26.01	6.96	26.01	6.96	0.00	0.00	
POTOMAC AVE TO STADIUM ARM	0.71	1.57	27.18	29.05	6.82	29.05	6.82	0.00	0.00	
STADIUM ARM TO DG JUNCTION	1.38	1.87	44.30	42.82	5.17	42.82	5.17	0.00	0.00	

	12.25	27.73	26.51	522.22	7.11	522.22	7.11	0.00	0.00	

DG JUNCTION TO STADIUM ARM	1.38	2.28	36.28	31.03	3.75	31.03	3.75	0.00	0.00	
STADIUM ARM TO POTOMAC AVE	0.71	1.60	26.61	30.31	7.11	30.31	7.11	0.00	0.00	
POTOMAC AVE TO EASTN MARKET	0.62	1.46	25.63	30.03	8.03	30.03	8.03	0.00	0.00	
EASTN MARKET TO CAPITOL SOUT	0.51	1.33	23.16	25.40	8.27	25.40	8.27	0.00	0.00	
CAPITOL SOUT TO FED CENTR SW	0.58	1.34	25.87	24.02	6.92	24.02	6.92	0.00	0.00	
FED CENTR SW TO L'ENFANT PLZ	0.33	1.11	17.93	23.14	11.60	23.14	11.60	0.00	0.00	
L'ENFANT PLZ TO SMTHSONIAN	0.50	1.37	21.88	29.88	9.94	29.88	9.94	0.00	0.00	
SMTHSONIAN TO FED TRIANGLE	0.38	1.25	18.29	17.04	7.44	17.04	7.44	0.00	0.00	
FED TRIANGLE TO METRO CENTER	0.31	1.35	13.74	25.84	13.90	25.84	13.90	0.00	0.00	
METRO CENTER TO MCPHERSON SQ	0.45	1.30	20.61	26.01	9.74	26.01	9.74	0.00	0.00	
MCPHERSON SQ TO FARRGUT WEST	0.38	1.20	18.78	26.75	11.87	26.75	11.87	0.00	0.00	
FARRGUT WEST TO FOGGY BOTTOM	0.50	1.43	20.93	19.32	6.48	19.32	6.48	0.00	0.00	
FOGGY BOTTOM TO ROSSLYN	1.37	2.50	32.80	39.56	4.82	39.56	4.82	0.00	0.00	
ROSSLYN TO ARLNGTON CEM	0.94	1.91	29.49	41.07	7.30	41.07	7.30	0.00	0.00	
ARLNGTON CEM TO PENTAGON	1.31	2.32	33.84	29.84	3.81	29.84	3.81	0.00	0.00	
PENTAGON TO PENTGON CITY	0.63	1.32	28.79	31.95	8.41	31.95	8.41	0.00	0.00	
PENTGON CITY TO CRYSTAL CITY	0.77	1.62	28.51	30.95	6.70	30.95	6.70	0.00	0.00	
CRYSTAL CITY TO NAT AIRPORT	0.59	1.10	32.13	32.15	9.07	32.15	9.07	0.00	0.00	

	12.25	27.79	26.45	514.30	7.00	514.30	7.00	0.00	0.00	

STATION SUMMARY

WMATA-CAM-P5-VAVE-6 CARS
 ORANGE LINE AM PEAK BALL-NEW CARR
 COASTING ABOVE 50 MPH

		DISTANCE	TIME	SPEED	ENERGY				FUEL	
		MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
BALLSTON	TO VIRGINIA SQ	0.56	1.27	26.55	29.54	8.74	29.54	8.74	0.00	0.00
VIRGINIA SQ	TO CLARENDON	0.47	1.16	24.15	26.85	9.56	26.85	9.56	0.00	0.00
CLARENDON	TO COURTHOUSE	0.51	1.28	23.94	20.77	6.80	20.77	6.80	0.00	0.00
COURTHOUSE	TO ROSSLYN	1.09	2.21	29.62	25.13	3.85	25.13	3.85	0.00	0.00
ROSSLYN	TO FOGGY BOTTOM	1.37	2.20	37.33	52.58	6.41	52.58	6.41	0.00	0.00
FOGGY BOTTOM	TO FARRGUT WEST	0.50	1.41	21.18	28.70	9.62	28.70	9.62	0.00	0.00
FARRGUT WEST	TO MCPHERSON SQ	0.38	1.08	20.78	21.90	9.72	21.90	9.72	0.00	0.00
MCPHERSON SQ	TO METRO CENTER	0.45	1.49	17.87	18.17	6.81	18.17	6.81	0.00	0.00
METRO CENTER	TO FED TRIANGLE	0.31	1.20	15.51	22.84	12.29	22.84	12.29	0.00	0.00
FED TRIANGLE	TO SMTHSONIAN	0.38	1.39	16.51	23.57	10.29	23.58	10.29	0.00	0.00
SMTHSONIAN	TO L'ENFANT PLZ	0.50	1.29	23.31	20.93	6.96	20.93	6.96	0.00	0.00
L'ENFANT PLZ	TO FED CENTR SW	0.33	1.13	17.68	20.94	10.50	20.94	10.50	0.00	0.00
FED CENTR SW	TO CAPITOL SOUT	0.58	1.36	25.44	31.06	8.95	31.06	8.95	0.00	0.00
CAPITOL SOUT	TO EASTN MARKET	0.51	1.33	23.12	30.20	9.83	30.20	9.83	0.00	0.00
EASTN MARKET	TO POTOMAC AVE	0.62	1.49	25.07	26.01	6.96	26.01	6.96	0.00	0.00
POTOMAC AVE	TO STADIUM ARMR	0.71	1.67	25.55	29.35	6.89	29.35	6.89	0.00	0.00
STADIUM ARMR	TO MINNESOTA AV	2.09	3.18	39.34	58.75	4.69	58.75	4.69	0.00	0.00
MINNESOTA AV	TO DEANWOOD	0.88	1.71	30.90	28.69	5.42	28.69	5.42	0.00	0.00
DEANWOOD	TO CHEVERLY	1.10	1.86	35.50	33.76	5.12	33.75	5.12	0.00	0.00
CHEVERLY	TO LANDOVER	1.83	2.63	41.82	44.97	4.09	44.97	4.09	0.00	0.00
LANDOVER	TO NEW CARRLTON	1.41	1.82	46.62	36.16	4.27	36.16	4.27	0.00	0.00
		16.57	34.15	29.11	630.88	6.34	630.87	6.34	0.00	0.00
NEW CARRLTON	TO LANDOVER	1.41	2.25	37.67	33.37	3.94	33.37	3.94	0.00	0.00
LANDOVER	TO CHEVERLY	1.83	2.60	42.30	36.21	3.30	36.21	3.30	0.00	0.00
CHEVERLY	TO DEANWOOD	1.10	1.91	34.49	40.02	6.08	40.02	6.08	0.00	0.00
DEANWOOD	TO MINNESOTA AV	0.88	1.74	30.46	30.69	5.79	30.69	5.79	0.00	0.00
MINNESOTA AV	TO STADIUM ARMR	2.09	3.22	38.90	50.24	4.01	50.24	4.01	0.00	0.00
STADIUM ARMR	TO POTOMAC AVE	0.71	1.60	26.58	32.59	7.65	32.59	7.65	0.00	0.00
POTOMAC AVE	TO EASTN MARKET	0.62	1.46	25.63	30.03	8.03	30.03	8.03	0.00	0.00
EASTN MARKET	TO CAPITOL SOUT	0.51	1.33	23.16	25.40	8.27	25.40	8.27	0.00	0.00
CAPITOL SOUT	TO FED CENTR SW	0.58	1.34	25.87	24.02	6.92	24.02	6.92	0.00	0.00
FED CENTR SW	TO L'ENFANT PLZ	0.33	1.11	17.93	23.14	11.60	23.14	11.60	0.00	0.00
L'ENFANT PLZ	TO SMTHSONIAN	0.50	1.37	21.88	29.88	9.94	29.88	9.94	0.00	0.00
SMTHSONIAN	TO FED TRIANGLE	0.38	1.25	18.29	17.04	7.44	17.04	7.44	0.00	0.00
FED TRIANGLE	TO METRO CENTER	0.31	1.35	13.74	25.84	13.90	25.84	13.90	0.00	0.00
METRO CENTER	TO MCPHERSON SQ	0.45	1.30	20.61	26.01	9.74	26.01	9.74	0.00	0.00
MCPHERSON SQ	TO FARRGUT WEST	0.38	1.20	18.78	26.75	11.87	26.75	11.87	0.00	0.00
FARRGUT WEST	TO FOGGY BOTTOM	0.50	1.43	20.93	19.32	6.48	19.32	6.48	0.00	0.00
FOGGY BOTTOM	TO ROSSLYN	1.37	2.50	32.80	39.56	4.82	39.56	4.82	0.00	0.00
ROSSLYN	TO COURTHOUSE	1.09	2.05	31.87	63.57	9.73	63.57	9.73	0.00	0.00
COURTHOUSE	TO CLARENDON	0.51	1.27	24.12	33.82	11.08	33.82	11.08	0.00	0.00
CLARENDON	TO VIRGINIA SQ	0.47	1.25	22.49	22.79	8.12	22.79	8.12	0.00	0.00
VIRGINIA SQ	TO BALLSTON	0.56	1.01	33.66	29.29	8.65	29.29	8.65	0.00	0.00
		16.57	34.52	28.80	659.57	6.63	659.57	6.63	0.00	0.00

9.6.3.

**TOP SPEED (55 MPH) - PL2 OPERATION
TPS STATION SUMMARIES**

STATION SUMMARY

WMATA-CAM-P5-VAVE-6 CARS
 RED LINE AM PEAK OUTBND
 TOP SPEED 55 MPH

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
	MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
DUPONT CIRCL TO FARRAGUT NOR	0.51	1.51	20.40	26.72	8.69	26.72	8.69	0.00	0.00
FARRAGUT NOR TO METRO CENTER	0.78	1.90	24.76	22.52	4.79	22.52	4.79	0.00	0.00
METRO CENTER TO GALLERY PL	0.29	1.10	15.57	16.56	9.68	16.56	9.68	0.00	0.00
GALLERY PL TO JUDICIARY SQ	0.37	1.25	17.90	18.79	8.41	18.79	8.41	0.00	0.00
JUDICIARY SQ TO UNION STATN	0.65	1.85	21.09	29.59	7.57	29.59	7.57	0.00	0.00
UNION STATN TO RHODE ISLND	1.76	3.08	34.30	65.19	6.16	65.19	6.16	0.00	0.00
RHODE ISLND TO BROOKLAND	0.86	1.72	30.13	35.02	6.77	35.02	6.77	0.00	0.00
BROOKLAND TO FORT TOTTEN	1.35	2.25	35.81	50.05	6.20	50.05	6.20	0.00	0.00
FORT TOTTEN TO TAKOMA	1.90	2.91	39.20	66.37	5.82	66.37	5.82	0.00	0.00
TAKOMA TO SILVER SPRNG	1.42	1.90	44.74	47.55	5.58	47.55	5.58	0.00	0.00
	9.89	19.47	30.49	378.35	6.37	378.35	6.37	0.00	0.00

STATION SUMMARY

WMATA-CAM-P5-VAVE-6 CARS
 RED LINE AM PEAK INBND
 TOP SPEED 55 MPH

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
	MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
SILVER SPRNG TO TAKOMA	1.42	2.39	35.62	35.90	4.22	35.90	4.22	0.00	0.00
TAKOMA TO FORT TOTTEN	1.90	2.84	40.13	31.76	2.79	31.76	2.79	0.00	0.00
FORT TOTTEN TO BROOKLAND	1.35	2.23	36.17	38.33	4.75	38.33	4.75	0.00	0.00
BROOKLAND TO RHODE ISLND	0.86	1.70	30.44	39.55	7.64	39.55	7.64	0.00	0.00
RHODE ISLND TO UNION STATN	1.76	2.79	37.98	39.59	3.74	39.59	3.74	0.00	0.00
UNION STATN TO JUDICIARY SQ	0.65	1.74	22.51	27.09	6.93	27.09	6.93	0.00	0.00
JUDICIARY SQ TO GALLERY PL	0.37	1.25	17.90	17.32	7.76	17.32	7.76	0.00	0.00
GALLERY PL TO METRO CENTER	0.29	1.28	13.34	18.47	10.80	18.47	10.80	0.00	0.00
METRO CENTER TO FARRAGUT NOR	0.78	1.92	24.43	32.54	6.92	32.54	6.92	0.00	0.00
FARRAGUT NOR TO DUPONT CIRCL	0.51	1.01	30.60	20.91	6.79	20.91	6.79	0.00	0.00
	9.89	19.14	31.01	301.47	5.08	301.47	5.08	0.00	0.00

STATION SUMMARY

WMATA-CAM-P5-VAVE-8 CARS
 RED LINE AM PEAK OUTBND
 TOP SPEED 55 MPH

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
				MILES	MIN	MPH	KWH	KWH/CM	KVA
DUPONT CIRCL TO FARRAGUT NOR	0.51	1.51	20.40	35.61	8.69	35.61	8.69	0.00	0.00
FARRAGUT NOR TO METRO CENTER	0.78	1.90	24.76	30.01	4.79	30.01	4.79	0.00	0.00
METRO CENTER TO GALLERY PL	0.29	1.10	15.57	22.08	9.68	22.08	9.68	0.00	0.00
GALLERY PL TO JUDICIARY SQ	0.37	1.25	17.90	25.02	8.41	25.02	8.41	0.00	0.00
JUDICIARY SQ TO UNION STATN	0.65	1.85	21.09	39.41	7.57	39.41	7.57	0.00	0.00
UNION STATN TO RHODE ISLND	1.76	3.08	34.30	86.64	6.14	86.64	6.14	0.00	0.00
RHODE ISLND TO BROOKLAND	0.86	1.72	30.13	46.63	6.76	46.63	6.76	0.00	0.00
BROOKLAND TO FORT TOTTEN	1.35	2.25	35.81	66.52	6.18	66.52	6.18	0.00	0.00
FORT TOTTEN TO TAKOMA	1.90	2.91	39.20	87.92	5.78	87.92	5.78	0.00	0.00
TAKOMA TO SILVER SPRNG	1.42	1.90	44.74	63.10	5.56	63.10	5.56	0.00	0.00
	9.89	19.47	30.49	502.95	6.35	502.96	6.35	0.00	0.00

STATION SUMMARY

WMATA-CAM-P5-VAVE-8 CARS
 RED LINE AM PEAK INBND
 TOP SPEED 55 MPH

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
				MILES	MIN	MPH	KWH	KWH/CM	KVA
DUPONT CIRCL TO FARRAGUT NOR	0.51	1.51	20.40	35.74	8.72	35.74	8.72	0.00	0.00
FARRAGUT NOR TO METRO CENTER	0.78	2.01	23.41	29.41	4.69	29.41	4.69	0.00	0.00
METRO CENTER TO GALLERY PL	0.29	1.10	15.57	23.86	10.46	23.86	10.46	0.00	0.00
GALLERY PL TO JUDICIARY SQ	0.37	1.25	17.90	27.19	9.13	27.19	9.13	0.00	0.00
JUDICIARY SQ TO UNION STATN	0.65	1.85	21.09	44.26	8.50	44.26	8.50	0.00	0.00
UNION STATN TO RHODE ISLND	1.76	2.72	38.97	101.88	7.22	101.88	7.22	0.00	0.00
RHODE ISLND TO BROOKLAND	0.86	1.72	30.06	53.08	7.69	53.08	7.69	0.00	0.00
BROOKLAND TO FORT TOTTEN	1.35	2.23	36.14	71.67	6.66	71.67	6.66	0.00	0.00
FORT TOTTEN TO TAKOMA	1.90	2.91	39.21	94.05	6.19	94.05	6.19	0.00	0.00
TAKOMA TO SILVER SPRNG	1.42	1.87	45.46	67.17	5.92	67.17	5.92	0.00	0.00
	9.89	19.16	30.98	548.31	6.93	548.31	6.93	0.00	0.00

STATION SUMMARY

WMATA-CAM-P5-VAVE-6 CARS
 RED LINE MIDDAY OUTBND
 TOP SPEED 55 MPH

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
				MILES	MIN	MPH	KWH	KWH/CM	KVA
DUPONT CIRCL TO FARRAGUT NOR	0.51	1.51	20.40	26.83	8.73	26.83	8.73	0.00	0.00
FARRAGUT NOR TO METRO CENTER	0.78	1.90	24.76	23.37	4.97	23.37	4.97	0.00	0.00
METRO CENTER TO GALLERY PL	0.29	1.10	15.57	17.37	10.16	17.37	10.16	0.00	0.00
GALLERY PL TO JUDICIARY SQ	0.37	1.25	17.90	19.67	8.81	19.67	8.81	0.00	0.00
JUDICIARY SQ TO UNION STATN	0.65	1.85	21.09	30.82	7.89	30.82	7.89	0.00	0.00
UNION STATN TO RHODE ISLND	1.76	3.09	34.30	66.66	6.30	66.66	6.30	0.00	0.00
RHODE ISLND TO BROOKLAND	0.86	1.72	30.12	36.37	7.03	36.37	7.03	0.00	0.00
BROOKLAND TO FORT TOTTEN	1.35	2.25	35.80	51.01	6.32	51.01	6.32	0.00	0.00
FORT TOTTEN TO TAKOMA	1.90	2.91	39.20	67.40	5.91	67.40	5.91	0.00	0.00
TAKOMA TO SILVER SPRNG	1.42	1.90	44.73	47.96	5.63	47.96	5.63	0.00	0.00
	9.89	19.47	30.48	387.44	6.53	387.44	6.53	0.00	0.00

STATION SUMMARY

WMATA-CAM-P5-VAVE-6 CARS
 RED LINE MIDDAY INBND
 TOP SPEED 55 MPH

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
				MILES	MIN	MPH	KWH	KWH/CM	KVA
SILVER SPRNG TO TAKOMA	1.42	2.39	35.62	35.90	4.22	35.90	4.22	0.00	0.00
TAKOMA TO FORT TOTTEN	1.90	2.82	40.38	30.40	2.67	30.40	2.67	0.00	0.00
FORT TOTTEN TO BROOKLAND	1.35	2.23	36.19	36.71	4.55	36.71	4.55	0.00	0.00
BROOKLAND TO RHODE ISLND	0.86	1.70	30.47	36.60	7.07	36.60	7.07	0.00	0.00
RHODE ISLND TO UNION STATN	1.76	2.78	38.01	37.39	3.53	37.39	3.53	0.00	0.00
UNION STATN TO JUDICIARY SQ	0.65	1.74	22.51	25.05	6.41	25.05	6.41	0.00	0.00
JUDICIARY SQ TO GALLERY PL	0.37	1.25	17.90	16.19	7.25	16.19	7.25	0.00	0.00
GALLERY PL TO METRO CENTER	0.29	1.28	13.34	17.84	10.43	17.84	10.43	0.00	0.00
METRO CENTER TO FARRAGUT NOR	0.78	1.92	24.43	31.55	6.71	31.55	6.71	0.00	0.00
FARRAGUT NOR TO DUPONT CIRCL	0.51	1.01	30.60	20.45	6.64	20.45	6.64	0.00	0.00
	9.89	19.12	31.05	288.07	4.85	288.07	4.85	0.00	0.00

STATION SUMMARY

WMATA-CAM-P5-VAVE-6 CARS
 BLUE LINE AM PEAK NAT AIR-DG JUNC
 TOP SPEED 55 MPH

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
	MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
NAT AIRPORT TO CRYSTAL CITY	0.59	1.65	21.40	19.65	5.55	19.65	5.55	0.00	0.00
CRYSTAL CITY TO PENTGON CITY	0.77	1.62	28.53	32.65	7.07	32.65	7.07	0.00	0.00
PENTGON CITY TO PENTAGON	0.63	1.56	24.32	25.64	6.75	25.64	6.75	0.00	0.00
PENTAGON TO ARLNGTON CEM	1.31	2.23	35.21	55.66	7.10	55.66	7.10	0.00	0.00
ARLNGTON CEM TO ROSSLYN	0.94	1.99	28.22	31.97	5.68	31.97	5.68	0.00	0.00
ROSSLYN TO FOGGY BOTTOM	1.37	2.32	35.42	61.03	7.44	61.03	7.44	0.00	0.00
FOGGY BOTTOM TO FARRGUT WEST	0.50	1.42	20.98	26.98	9.04	26.98	9.04	0.00	0.00
FARRGUT WEST TO MCPHERSON SQ	0.38	1.14	19.79	18.42	8.18	18.42	8.18	0.00	0.00
MCPHERSON SQ TO METRO CENTER	0.45	1.56	17.15	17.23	6.45	17.23	6.45	0.00	0.00
METRO CENTER TO FED TRIANGLE	0.31	1.27	14.63	15.88	8.54	15.88	8.54	0.00	0.00
FED TRIANGLE TO SMTHSONIAN	0.38	1.40	16.34	16.73	9.48	21.73	9.48	0.00	0.00
SMTHSONIAN TO L'ENFANT PLZ	0.50	1.36	22.11	18.57	6.18	18.57	6.18	0.00	0.00
L'ENFANT PLZ TO FED CENTR SW	0.33	1.21	16.48	17.13	8.59	17.13	8.59	0.00	0.00
FED CENTR SW TO CAPITOL SOUT	0.58	1.39	24.89	32.59	9.40	32.59	9.40	0.00	0.00
CAPITOL SOUT TO EASTN MARKET	0.51	1.40	21.96	26.39	8.59	26.39	8.59	0.00	0.00
EASTN MARKET TO POTOMAC AVE	0.62	1.50	24.99	26.61	7.12	26.61	7.12	0.00	0.00
POTOMAC AVE TO STADIUM ARMR	0.71	1.64	25.99	26.13	6.13	26.13	6.13	0.00	0.00
STADIUM ARMR TO DG JUNCTION	1.38	1.95	42.42	52.98	6.39	52.98	6.39	0.00	0.00

	12.25	28.61	25.69	527.23	7.17	527.23	7.17	0.00	0.00

DG JUNCTION TO STADIUM ARMR	1.38	2.33	35.55	46.48	5.61	46.48	5.61	0.00	0.00
STADIUM ARMR TO POTOMAC AVE	0.71	1.67	25.48	26.19	6.15	26.19	6.15	0.00	0.00
POTOMAC AVE TO EASTN MARKET	0.62	1.48	25.22	28.34	7.58	28.34	7.58	0.00	0.00
EASTN MARKET TO CAPITOL SOUT	0.51	1.40	21.97	20.00	6.51	20.00	6.51	0.00	0.00
CAPITOL SOUT TO FED CENTR SW	0.58	1.40	24.85	22.43	6.47	22.43	6.47	0.00	0.00
FED CENTR SW TO L'ENFANT PLZ	0.33	1.19	16.70	18.27	9.16	18.27	9.16	0.00	0.00
L'ENFANT PLZ TO SMTHSONIAN	0.50	1.44	20.83	27.44	9.13	27.44	9.13	0.00	0.00
SMTHSONIAN TO FED TRIANGLE	0.38	1.27	18.07	16.43	7.17	16.43	7.17	0.00	0.00
FED TRIANGLE TO METRO CENTER	0.31	1.42	13.08	18.58	10.00	18.58	10.00	0.00	0.00
METRO CENTER TO MCPHERSON SQ	0.45	1.36	19.67	24.99	9.36	24.99	9.36	0.00	0.00
MCPHERSON SQ TO FARRGUT WEST	0.38	1.26	17.85	21.82	9.68	21.82	9.68	0.00	0.00
FARRGUT WEST TO FOGGY BOTTOM	0.50	1.44	20.74	19.06	6.39	19.06	6.39	0.00	0.00
FOGGY BOTTOM TO ROSSLYN	1.37	2.50	32.76	50.81	6.20	50.81	6.20	0.00	0.00
ROSSLYN TO ARLNGTON CEM	0.94	1.98	28.45	39.01	6.93	39.01	6.93	0.00	0.00
ARLNGTON CEM TO PENTAGON	1.31	2.35	33.38	41.34	5.27	41.34	5.27	0.00	0.00
PENTAGON TO PENTGON CITY	0.63	1.41	26.94	30.29	7.98	30.29	7.98	0.00	0.00
PENTGON CITY TO CRYSTAL CITY	0.77	1.67	27.67	28.93	6.27	28.93	6.27	0.00	0.00
CRYSTAL CITY TO NAT AIRPORT	0.59	1.12	31.63	32.12	9.06	32.12	9.06	0.00	0.00

	12.25	28.69	25.62	512.53	6.97	512.53	6.97	0.00	0.00

STATION SUMMARY

WMATA-CAM-P5-VAVE-6 CARS
 BLUE LINE MIDDAY OFF PEAK NAT AIR-D/G JU
 TOP SPEED 55 MPH

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
				MILES	MIN	MPH	KWH	KWH/CM	KVA
NAT AIRPORT TO CRYSTAL CITY	0.59	1.65	21.40	19.70	5.56	19.70	5.56	0.00	0.00
CRYSTAL CITY TO PENTGON CITY	0.77	1.62	28.53	32.98	7.14	32.98	7.14	0.00	0.00
PENTGON CITY TO PENTAGON	0.63	1.56	24.32	25.45	6.70	25.45	6.70	0.00	0.00
PENTAGON TO ARLNGTON CEM	1.31	2.22	35.23	53.66	6.85	53.66	6.85	0.00	0.00
ARLNGTON CEM TO ROSSLYN	0.94	1.99	28.23	30.93	5.49	30.93	5.49	0.00	0.00
ROSSLYN TO FOGGY BOTTOM	1.37	2.31	35.43	57.41	7.00	57.41	7.00	0.00	0.00
FOGGY BOTTOM TO FARRGUT WEST	0.50	1.42	20.98	25.96	8.70	25.96	8.70	0.00	0.00
FARRGUT WEST TO MCPHERSON SQ	0.38	1.14	19.79	18.42	8.18	18.42	8.18	0.00	0.00
MCPHERSON SQ TO METRO CENTER	0.45	1.56	17.15	17.51	6.56	17.51	6.56	0.00	0.00
METRO CENTER TO FED TRIANGLE	0.31	1.27	14.63	16.12	8.67	16.12	8.67	0.00	0.00
FED TRIANGLE TO SMTHSONIAN	0.38	1.40	16.34	22.14	9.66	22.14	9.66	0.00	0.00
SMTHSONIAN TO L'ENFANT PLZ	0.50	1.36	22.11	18.82	6.26	18.82	6.26	0.00	0.00
L'ENFANT PLZ TO FED CENTR SW	0.33	1.21	16.48	17.46	8.75	17.46	8.75	0.00	0.00
FED CENTR SW TO CAPITOL SOUT	0.58	1.39	24.89	33.24	9.58	33.24	9.58	0.00	0.00
CAPITOL SOUT TO EASTN MARKET	0.51	1.40	21.96	26.70	8.69	26.70	8.69	0.00	0.00
EASTN MARKET TO POTOMAC AVE	0.62	1.50	24.99	26.83	7.18	26.83	7.18	0.00	0.00
POTOMAC AVE TO STADIUM ARM	0.71	1.64	25.99	26.27	6.17	26.27	6.17	0.00	0.00
STADIUM ARM TO DG JUNCTION	1.38	1.95	42.42	52.98	6.39	52.98	6.39	0.00	0.00

	12.25	28.61	25.69	522.57	7.11	522.57	7.11	0.00	0.00

DG JUNCTION TO STADIUM ARM	1.38	2.33	35.55	46.48	5.61	46.48	5.61	0.00	0.00
STADIUM ARM TO POTOMAC AVE	0.71	1.67	25.48	26.19	6.15	26.19	6.15	0.00	0.00
POTOMAC AVE TO EASTN MARKET	0.62	1.48	25.22	27.64	7.39	27.64	7.39	0.00	0.00
EASTN MARKET TO CAPITOL SOUT	0.51	1.40	21.97	19.13	6.23	19.13	6.23	0.00	0.00
CAPITOL SOUT TO FED CENTR SW	0.58	1.40	24.85	21.40	6.17	21.40	6.17	0.00	0.00
FED CENTR SW TO L'ENFANT PLZ	0.33	1.19	16.70	17.56	8.80	17.56	8.80	0.00	0.00
L'ENFANT PLZ TO SMTHSONIAN	0.50	1.44	20.83	26.55	8.83	26.55	8.83	0.00	0.00
SMTHSONIAN TO FED TRIANGLE	0.38	1.27	18.07	16.01	6.99	16.01	6.99	0.00	0.00
FED TRIANGLE TO METRO CENTER	0.31	1.42	13.08	18.50	9.95	18.50	9.95	0.00	0.00
METRO CENTER TO MCPHERSON SQ	0.45	1.36	19.67	25.09	9.40	25.09	9.40	0.00	0.00
MCPHERSON SQ TO FARRGUT WEST	0.38	1.26	17.85	21.82	9.68	21.82	9.68	0.00	0.00
FARRGUT WEST TO FOGGY BOTTOM	0.50	1.44	20.74	19.24	6.45	19.24	6.45	0.00	0.00
FOGGY BOTTOM TO ROSSLYN	1.37	2.50	32.75	52.20	6.37	52.20	6.37	0.00	0.00
ROSSLYN TO ARLNGTON CEM	0.94	1.98	28.45	39.68	7.05	39.68	7.05	0.00	0.00
ARLNGTON CEM TO PENTAGON	1.31	2.35	33.38	42.32	5.40	42.32	5.40	0.00	0.00
PENTAGON TO PENTGON CITY	0.63	1.41	26.94	30.87	8.13	30.87	8.13	0.00	0.00
PENTGON CITY TO CRYSTAL CITY	0.77	1.67	27.67	29.11	6.31	29.11	6.31	0.00	0.00
CRYSTAL CITY TO NAT AIRPORT	0.59	1.12	31.63	32.24	9.09	32.24	9.09	0.00	0.00

	12.25	28.69	25.62	512.04	6.97	512.04	6.97	0.00	0.00

STATION SUMMARY

WMATA-CAM-P5-VAVE-6 CARS
 ORANGE LINE AM PEAK BALL-NEW CARR
 TOP SPEED 55 MPH

		DISTANCE	TIME	SPEED	ENERGY				FUEL	
		MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
BALLSTON	TO VIRGINIA SQ	0.56	1.60	21.19	22.58	6.68	22.58	6.68	0.00	0.00
VIRGINIA SQ	TO CLARENDON	0.47	1.26	22.33	22.94	8.17	22.94	8.17	0.00	0.00
CLARENDON	TO COURTHOUSE	0.51	1.38	22.05	19.10	6.26	19.10	6.26	0.00	0.00
COURTHOUSE	TO ROSSLYN	1.09	2.31	28.25	23.04	3.53	23.04	3.53	0.00	0.00
ROSSLYN	TO FOGGY BOTTOM	1.37	2.32	35.42	61.03	7.44	61.03	7.44	0.00	0.00
FOGGY BOTTOM	TO FARRGUT WEST	0.50	1.42	20.98	26.98	9.04	26.98	9.04	0.00	0.00
FARRGUT WEST	TO MCPHERSON SQ	0.38	1.14	19.79	18.42	8.18	18.42	8.18	0.00	0.00
MCPHERSON SQ	TO METRO CENTER	0.45	1.56	17.15	17.23	6.45	17.23	6.45	0.00	0.00
METRO CENTER	TO FED TRIANGLE	0.31	1.27	14.63	15.88	8.54	15.88	8.54	0.00	0.00
FED TRIANGLE	TO SMTHSONIAN	0.38	1.40	16.34	21.73	9.48	21.73	9.48	0.00	0.00
SMTHSONIAN	TO L'ENFANT PLZ	0.50	1.36	22.11	18.57	6.18	18.57	6.18	0.00	0.00
L'ENFANT PLZ	TO FED CENTR SW	0.33	1.21	16.48	17.13	8.59	17.13	8.59	0.00	0.00
FED CENTR SW	TO CAPITOL SOUT	0.58	1.39	24.89	32.59	9.40	32.59	9.40	0.00	0.00
CAPITOL SOUT	TO EASTN MARKET	0.51	1.40	21.96	26.39	8.59	26.39	8.59	0.00	0.00
EASTN MARKET	TO POTOMAC AVE	0.62	1.50	24.99	26.61	7.12	26.61	7.12	0.00	0.00
POTOMAC AVE	TO STADIUM ARM	0.71	1.74	24.50	26.43	6.20	26.43	6.20	0.00	0.00
STADIUM ARM	TO MINNESOTA AV	2.09	3.45	36.34	75.03	5.99	75.03	5.99	0.00	0.00
MINNESOTA AV	TO DEANWOOD	0.88	1.80	29.45	32.36	6.11	32.36	6.11	0.00	0.00
DEANWOOD	TO CHEVERLY	1.10	1.84	35.79	43.61	6.62	43.61	6.62	0.00	0.00
CHEVERLY	TO LANDOVER	1.83	2.72	40.35	62.75	5.71	62.75	5.71	0.00	0.00
LANDOVER	TO NEW CARRLTON	1.41	2.17	39.10	42.68	5.04	42.68	5.04	0.00	0.00
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		16.57	36.23	27.45	653.07	6.57	653.07	6.57	0.00	0.00
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NEW CARRLTON	TO LANDOVER	1.41	2.55	33.20	39.26	4.64	39.26	4.64	0.00	0.00
LANDOVER	TO CHEVERLY	1.83	2.63	41.83	46.92	4.27	46.92	4.27	0.00	0.00
CHEVERLY	TO DEANWOOD	1.10	1.99	33.05	41.55	6.31	41.55	6.31	0.00	0.00
DEANWOOD	TO MINNESOTA AV	0.88	1.66	31.88	37.51	7.08	37.51	7.08	0.00	0.00
MINNESOTA AV	TO STADIUM ARM	2.09	3.21	39.03	65.93	5.26	65.93	5.26	0.00	0.00
STADIUM ARM	TO POTOMAC AVE	0.71	1.67	25.48	28.01	6.57	28.01	6.57	0.00	0.00
POTOMAC AVE	TO EASTN MARKET	0.62	1.48	25.22	28.34	7.58	28.34	7.58	0.00	0.00
EASTN MARKET	TO CAPITOL SOUT	0.51	1.40	21.97	20.00	6.51	20.00	6.51	0.00	0.00
CAPITOL SOUT	TO FED CENTR SW	0.58	1.40	24.85	22.43	6.47	22.43	6.47	0.00	0.00
FED CENTR SW	TO L'ENFANT PLZ	0.33	1.19	16.70	18.27	9.16	18.27	9.16	0.00	0.00
L'ENFANT PLZ	TO SMTHSONIAN	0.50	1.44	20.83	27.44	9.13	27.44	9.13	0.00	0.00
SMTHSONIAN	TO FED TRIANGLE	0.38	1.27	18.07	16.43	7.17	16.43	7.17	0.00	0.00
FED TRIANGLE	TO METRO CENTER	0.31	1.42	13.08	18.58	10.00	18.58	10.00	0.00	0.00
METRO CENTER	TO MCPHERSON SQ	0.45	1.36	19.67	24.99	9.36	24.99	9.36	0.00	0.00
MCPHERSON SQ	TO FARRGUT WEST	0.38	1.26	17.85	21.82	9.68	21.82	9.68	0.00	0.00
FARRGUT WEST	TO FOGGY BOTTOM	0.50	1.44	20.74	19.06	6.39	19.06	6.39	0.00	0.00
FOGGY BOTTOM	TO ROSSLYN	1.37	2.50	32.76	50.81	6.20	50.81	6.20	0.00	0.00
ROSSLYN	TO COURTHOUSE	1.09	2.16	30.18	62.42	9.56	62.42	9.56	0.00	0.00
COURTHOUSE	TO CLARENDON	0.51	1.38	22.05	30.26	9.91	30.26	9.91	0.00	0.00
CLARENDON	TO VIRGINIA SQ	0.47	1.34	20.94	17.98	6.40	17.98	6.40	0.00	0.00
VIRGINIA SQ	TO BALLSTON	0.56	1.33	25.48	21.74	6.42	21.74	6.42	0.00	0.00
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		16.57	36.10	27.55	659.75	6.64	659.75	6.64	0.00	0.00

STATION SUMMARY

WMATA-CAM-P5-VAVE-6 CARS
 ORANGE LINE MIDDAY OFF PEAK BALL-NEW CAR
 TOP SPEED 55 MPH

		DISTANCE	TIME	SPEED	ENERGY				FUEL	
		MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
BALLSTON	TO VIRGINIA SQ	0.56	1.60	21.19	22.03	6.52	22.03	6.52	0.00	0.00
VIRGINIA SQ	TO CLARENDON	0.47	1.26	22.33	21.94	7.81	21.94	7.81	0.00	0.00
CLARENDON	TO COURTHOUSE	0.51	1.38	22.05	18.06	5.92	18.06	5.92	0.00	0.00
COURTHOUSE	TO ROSSLYN	1.09	2.31	28.25	21.91	3.35	21.91	3.35	0.00	0.00
ROSSLYN	TO FOGGY BOTTOM	1.37	2.31	35.43	57.41	7.00	57.41	7.00	0.00	0.00
FOGGY BOTTOM	TO FARRGUT WEST	0.50	1.42	20.98	25.96	8.70	25.96	8.70	0.00	0.00
FARRGUT WEST	TO MCPHERSON SQ	0.38	1.14	19.79	18.42	8.18	18.42	8.18	0.00	0.00
MCPHERSON SQ	TO METRO CENTER	0.45	1.56	17.15	17.51	6.56	17.51	6.56	0.00	0.00
METRO CENTER	TO FED TRIANGLE	0.31	1.27	14.63	16.12	8.67	16.12	8.67	0.00	0.00
FED TRIANGLE	TO SMTHSONIAN	0.38	1.40	16.34	22.14	9.66	22.14	9.66	0.00	0.00
SMTHSONIAN	TO L'ENFANT PLZ	0.50	1.36	22.11	18.82	6.26	18.82	6.26	0.00	0.00
L'ENFANT PLZ	TO FED CENTR SW	0.33	1.21	16.48	17.46	8.75	17.46	8.75	0.00	0.00
FED CENTR SW	TO CAPITOL SOUT	0.58	1.39	24.89	33.24	9.58	33.24	9.58	0.00	0.00
CAPITOL SOUT	TO EASTN MARKET	0.51	1.40	21.96	26.70	8.69	26.70	8.69	0.00	0.00
EASTN MARKET	TO POTOMAC AVE	0.62	1.50	24.99	26.83	7.18	26.83	7.18	0.00	0.00
POTOMAC AVE	TO STADIUM ARM	0.71	1.74	24.50	26.57	6.24	26.57	6.24	0.00	0.00
STADIUM ARM	TO MINNESOTA AV	2.09	3.45	36.33	76.83	6.13	76.83	6.13	0.00	0.00
MINNESOTA AV	TO DEANWOOD	0.88	1.80	29.45	32.55	6.14	32.55	6.14	0.00	0.00
DEANWOOD	TO CHEVERLY	1.10	1.84	35.78	44.33	6.73	44.33	6.73	0.00	0.00
CHEVERLY	TO LANDOVER	1.83	2.72	40.35	63.35	5.77	63.35	5.77	0.00	0.00
LANDOVER	TO NEW CARRLTON	1.41	2.17	39.10	42.90	5.06	42.90	5.06	0.00	0.00
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		16.57	36.23	27.45	651.08	6.55	651.08	6.55	0.00	0.00
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NEW CARRLTON	TO LANDOVER	1.41	2.55	33.20	39.26	4.64	39.26	4.64	0.00	0.00
LANDOVER	TO CHEVERLY	1.83	2.63	41.84	46.42	4.23	46.42	4.23	0.00	0.00
CHEVERLY	TO DEANWOOD	1.10	1.99	33.06	41.24	6.26	41.24	6.26	0.00	0.00
DEANWOOD	TO MINNESOTA AV	0.88	1.66	31.90	36.42	6.87	36.42	6.87	0.00	0.00
MINNESOTA AV	TO STADIUM ARM	2.09	3.21	39.05	62.85	5.02	62.85	5.02	0.00	0.00
STADIUM ARM	TO POTOMAC AVE	0.71	1.67	25.48	26.63	6.25	26.63	6.25	0.00	0.00
POTOMAC AVE	TO EASTN MARKET	0.62	1.48	25.22	27.64	7.39	27.64	7.39	0.00	0.00
EASTN MARKET	TO CAPITOL SOUT	0.51	1.40	21.97	19.13	6.23	19.13	6.23	0.00	0.00
CAPITOL SOUT	TO FED CENTR SW	0.58	1.40	24.85	21.40	6.17	21.40	6.17	0.00	0.00
FED CENTR SW	TO L'ENFANT PLZ	0.33	1.19	16.70	17.56	8.80	17.56	8.80	0.00	0.00
L'ENFANT PLZ	TO SMTHSONIAN	0.50	1.44	20.83	26.55	8.83	26.55	8.83	0.00	0.00
SMTHSONIAN	TO FED TRIANGLE	0.38	1.27	18.07	16.01	6.99	16.01	6.99	0.00	0.00
FED TRIANGLE	TO METRO CENTER	0.31	1.42	13.08	18.50	9.95	18.50	9.95	0.00	0.00
METRO CENTER	TO MCPHERSON SQ	0.45	1.36	19.67	25.09	9.40	25.09	9.40	0.00	0.00
MCPHERSON SQ	TO FARRGUT WEST	0.38	1.26	17.85	21.82	9.68	21.82	9.68	0.00	0.00
FARRGUT WEST	TO FOGGY BOTTOM	0.50	1.44	20.74	19.24	6.45	19.24	6.45	0.00	0.00
FOGGY BOTTOM	TO ROSSLYN	1.37	2.50	32.75	52.20	6.37	52.20	6.37	0.00	0.00
ROSSLYN	TO COURTHOUSE	1.09	2.16	30.18	63.26	9.68	63.26	9.68	0.00	0.00
COURTHOUSE	TO CLARENDON	0.51	1.38	22.05	30.63	10.03	30.63	10.03	0.00	0.00
CLARENDON	TO VIRGINIA SQ	0.47	1.34	20.94	18.13	6.46	18.13	6.46	0.00	0.00
VIRGINIA SQ	TO BALLSTON	0.56	1.33	25.48	21.84	6.45	21.84	6.45	0.00	0.00
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		16.57	36.09	27.55	651.84	6.56	651.84	6.56	0.00	0.00

9.7. REGENERATION - TPS STATION SUMMARIES

Tables in subsection 9.7.1 through 9.7.4 contain TPS station summaries for regeneration using WMATA chopper as well as highly regenerative chopper under PL2 and PL1 operations.

9.7.1.

**REGENERATION USING WMATA CHOPPER - PL2 OPERATION
TPS STATION SUMMARIES**

STATION SUMMARY

WMATA-CHO-P5-VAVE-6 CARS
RED LINE AM PEAK OUTBND

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
	MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
DUPONT CIRCL TO FARRAGUT NOR	0.51	1.51	20.40	18.66	6.07	18.66	6.07	0.00	0.00
FARRAGUT NOR TO METRO CENTER	0.78	1.90	24.76	11.10	2.36	11.10	2.36	0.00	0.00
METRO CENTER TO GALLERY PL	0.29	1.10	15.57	9.68	5.66	9.68	5.66	0.00	0.00
GALLERY PL TO JUDICIARY SQ	0.37	1.25	17.90	11.59	5.19	11.59	5.19	0.00	0.00
JUDICIARY SQ TO UNION STATN	0.65	1.85	21.09	19.19	4.91	19.19	4.91	0.00	0.00
UNION STATN TO RHODE ISLND	1.76	3.09	34.30	55.01	5.20	55.01	5.20	0.00	0.00
RHODE ISLND TO BROOKLAND	0.86	1.72	30.11	20.20	3.90	20.20	3.90	0.00	0.00
BROOKLAND TO FORT TOTTEN	1.35	2.20	36.71	37.07	4.59	37.07	4.59	0.00	0.00
FORT TOTTEN TO TAKOMA	1.90	2.72	41.88	55.30	4.85	55.30	4.85	0.00	0.00
TAKOMA TO SILVER SPRNG	1.42	1.81	47.12	34.77	4.08	34.77	4.08	0.00	0.00
	9.89	19.14	31.02	272.57	4.59	272.57	4.59	0.00	0.00

STATION SUMMARY

WMATA-CHO-P5-VAVE-6 CARS
RED LINE AM PEAK INBND

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
	MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
SILVER SPRNG TO TAKOMA	1.42	2.29	37.21	22.23	2.61	22.23	2.61	0.00	0.00
TAKOMA TO FORT TOTTEN	1.90	2.57	44.45	19.75	1.73	19.75	1.73	0.00	0.00
FORT TOTTEN TO BROOKLAND	1.35	2.14	37.80	23.15	2.87	23.15	2.87	0.00	0.00
BROOKLAND TO RHODE ISLND	0.86	1.70	30.42	18.28	3.53	18.28	3.53	0.00	0.00
RHODE ISLND TO UNION STATN	1.76	2.79	37.96	11.47	1.08	11.47	1.08	0.00	0.00
UNION STATN TO JUDICIARY SQ	0.65	1.74	22.51	11.63	2.98	11.63	2.98	0.00	0.00
JUDICIARY SQ TO GALLERY PL	0.37	1.25	17.90	9.01	4.04	9.01	4.04	0.00	0.00
GALLERY PL TO METRO CENTER	0.29	1.28	13.34	10.69	6.25	10.69	6.25	0.00	0.00
METRO CENTER TO FARRAGUT NOR	0.78	1.92	24.43	22.49	4.79	22.49	4.79	0.00	0.00
FARRAGUT NOR TO DUPONT CIRCL	0.51	1.01	30.60	8.43	2.74	8.43	2.74	0.00	0.00
	9.89	18.67	31.79	157.14	2.65	157.14	2.65	0.00	0.00

STATION SUMMARY

WMATA-CHO-P5-VAVE-8 CARS
RED LINE AM PEAK OUTBND

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
	MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
DUPONT CIRCL TO FARRAGUT NOR	0.51	1.51	20.40	24.84	6.06	24.84	6.06	0.00	0.00
FARRAGUT NOR TO METRO CENTER	0.78	1.90	24.76	14.73	2.35	14.73	2.35	0.00	0.00
METRO CENTER TO GALLERY PL	0.29	1.10	15.57	12.90	5.66	12.90	5.66	0.00	0.00
GALLERY PL TO JUDICIARY SQ	0.37	1.25	17.90	15.43	5.18	15.43	5.18	0.00	0.00
JUDICIARY SQ TO UNION STATN	0.65	1.85	21.09	25.52	4.90	25.52	4.90	0.00	0.00
UNION STATN TO RHODE ISLND	1.76	3.09	34.30	73.10	5.18	73.10	5.18	0.00	0.00
RHODE ISLND TO BROOKLAND	0.86	1.72	30.11	25.66	3.72	25.66	3.72	0.00	0.00
BROOKLAND TO FORT TOTTEN	1.35	2.20	36.71	49.11	4.56	49.11	4.56	0.00	0.00
FORT TOTTEN TO TAKOMA	1.90	2.72	41.88	72.51	4.77	72.51	4.77	0.00	0.00
TAKOMA TO SILVER SPRNG	1.42	1.81	47.12	45.47	4.00	45.47	4.00	0.00	0.00
	9.89	19.13	31.02	359.27	4.54	359.27	4.54	0.00	0.00

STATION SUMMARY

WMATA-CHO-P5-VAVE-8 CARS
RED LINE AM PEAK INBND

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
	MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
DUPONT CIRCL TO FARRAGUT NOR	0.51	1.51	20.40	24.90	6.08	24.90	6.08	0.00	0.00
FARRAGUT NOR TO METRO CENTER	0.78	2.01	23.41	16.01	2.56	16.01	2.56	0.00	0.00
METRO CENTER TO GALLERY PL	0.29	1.10	15.57	13.50	5.92	13.50	5.92	0.00	0.00
GALLERY PL TO JUDICIARY SQ	0.37	1.25	17.90	16.28	5.47	16.28	5.47	0.00	0.00
JUDICIARY SQ TO UNION STATN	0.65	1.85	21.09	27.57	5.29	27.57	5.29	0.00	0.00
UNION STATN TO RHODE ISLND	1.76	2.72	38.93	79.75	5.65	79.75	5.65	0.00	0.00
RHODE ISLND TO BROOKLAND	0.86	1.72	30.03	28.14	4.08	28.14	4.08	0.00	0.00
BROOKLAND TO FORT TOTTEN	1.35	2.13	37.87	51.70	4.80	51.70	4.80	0.00	0.00
FORT TOTTEN TO TAKOMA	1.90	2.62	43.45	79.79	5.25	79.79	5.25	0.00	0.00
TAKOMA TO SILVER SPRNG	1.42	1.76	48.29	48.05	4.23	48.05	4.23	0.00	0.00
	9.89	18.67	31.79	385.69	4.87	385.69	4.87	0.00	0.00

STATION SUMMARY

WMATA-CHO-P5-VAVE-6 CARS
RED LINE MIDDAY OUTBND

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
	MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
DUPONT CIRCL TO FARRAGUT NOR	0.51	1.51	20.40	18.70	6.08	18.70	6.08	0.00	0.00
FARRAGUT NOR TO METRO CENTER	0.78	1.90	24.75	11.79	2.51	11.79	2.51	0.00	0.00
METRO CENTER TO GALLERY PL	0.29	1.10	15.57	9.86	5.76	9.86	5.76	0.00	0.00
GALLERY PL TO JUDICIARY SQ	0.37	1.25	17.90	11.83	5.30	11.83	5.30	0.00	0.00
JUDICIARY SQ TO UNION STATN	0.65	1.85	21.09	19.62	5.02	19.62	5.02	0.00	0.00
UNION STATN TO RHODE ISLND	1.76	3.09	34.30	56.40	5.33	56.40	5.33	0.00	0.00
RHODE ISLND TO BROOKLAND	0.86	1.72	30.10	20.47	3.96	20.47	3.96	0.00	0.00
BROOKLAND TO FORT TOTTEN	1.35	2.20	36.69	36.81	4.56	36.81	4.56	0.00	0.00
FORT TOTTEN TO TAKOMA	1.90	2.72	41.86	55.28	4.85	55.28	4.85	0.00	0.00
TAKOMA TO SILVER SPRNG	1.42	1.81	47.09	34.38	4.04	34.38	4.04	0.00	0.00
	9.89	19.14	31.02	275.13	4.63	275.13	4.63	0.00	0.00

STATION SUMMARY

WMATA-CHO-P5-VAVE-6 CARS
RED LINE MIDDAY INBND

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
	MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
SILVER SPRNG TO TAKOMA	1.42	2.29	37.21	22.23	2.61	22.23	2.61	0.00	0.00
TAKOMA TO FORT TOTTEN	1.90	2.55	44.81	18.63	1.63	18.63	1.63	0.00	0.00
FORT TOTTEN TO BROOKLAND	1.35	2.13	37.86	23.03	2.85	23.03	2.85	0.00	0.00
BROOKLAND TO RHODE ISLND	0.86	1.70	30.45	17.87	3.45	17.87	3.45	0.00	0.00
RHODE ISLND TO UNION STATN	1.76	2.79	38.00	13.05	1.23	13.05	1.23	0.00	0.00
UNION STATN TO JUDICIARY SQ	0.65	1.74	22.51	11.40	2.92	11.40	2.92	0.00	0.00
JUDICIARY SQ TO GALLERY PL	0.37	1.25	17.90	9.28	4.16	9.28	4.16	0.00	0.00
GALLERY PL TO METRO CENTER	0.29	1.28	13.34	10.39	6.07	10.39	6.07	0.00	0.00
METRO CENTER TO FARRAGUT NOR	0.78	1.92	24.43	21.85	4.65	21.85	4.65	0.00	0.00
FARRAGUT NOR TO DUPONT CIRCL	0.51	1.01	30.60	8.42	2.73	8.42	2.73	0.00	0.00
	9.89	18.64	31.84	156.15	2.63	156.15	2.63	0.00	0.00

STATION SUMMARY

WMATA-CHO-P5-VAVE-6 CARS
 BLUE LINE AM PEAK NAT AIR-DG JUNC

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
	MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
NAT AIRPORT TO CRYSTAL CITY	0.59	1.65	21.40	4.82	1.36	4.82	1.36	0.00	0.00
CRYSTAL CITY TO PENTGON CITY	0.77	1.62	28.52	21.78	4.72	21.78	4.72	0.00	0.00
PENTGON CITY TO PENTAGON	0.63	1.56	24.32	10.52	2.77	10.52	2.77	0.00	0.00
PENTAGON TO ARLNGTON CEM	1.31	2.23	35.18	38.86	4.96	38.86	4.96	0.00	0.00
ARLNGTON CEM TO ROSSLYN	0.94	2.00	28.21	12.29	2.18	12.29	2.18	0.00	0.00
ROSSLYN TO FOGGY BOTTOM	1.37	2.32	35.41	36.29	4.43	36.29	4.43	0.00	0.00
FOGGY BOTTOM TO FARRGUT WEST	0.50	1.42	20.98	17.64	5.91	17.64	5.91	0.00	0.00
FARRGUT WEST TO MCPHERSON SQ	0.38	1.14	19.79	9.01	4.00	9.01	4.00	0.00	0.00
MCPHERSON SQ TO METRO CENTER	0.45	1.56	17.15	6.24	2.34	6.24	2.34	0.00	0.00
METRO CENTER TO FED TRIANGLE	0.31	1.27	14.63	8.43	4.54	8.43	4.54	0.00	0.00
FED TRIANGLE TO SMTHSONIAN	0.38	1.40	16.34	15.31	6.68	15.31	6.68	0.00	0.00
SMTHSONIAN TO L'ENFANT PLZ	0.50	1.36	22.11	7.01	2.33	7.01	2.33	0.00	0.00
L'ENFANT PLZ TO FED CENTR SW	0.33	1.21	16.48	10.52	5.27	10.52	5.27	0.00	0.00
FED CENTR SW TO CAPITOL SOUT	0.58	1.39	24.88	20.04	5.78	20.04	5.78	0.00	0.00
CAPITOL SOUT TO EASTN MARKET	0.51	1.40	21.96	17.98	5.85	17.98	5.85	0.00	0.00
EASTN MARKET TO POTOMAC AVE	0.62	1.50	24.99	16.32	4.37	16.32	4.37	0.00	0.00
POTOMAC AVE TO STADIUM ARM	0.71	1.64	25.99	18.92	4.44	18.92	4.44	0.00	0.00
STADIUM ARM TO DG JUNCTION	1.38	1.96	42.38	36.26	4.38	36.26	4.38	0.00	0.00

	12.25	28.62	25.68	308.22	4.19	308.22	4.19	0.00	0.00

DG JUNCTION TO STADIUM ARM	1.38	2.26	36.67	23.98	2.90	23.98	2.90	0.00	0.00
STADIUM ARM TO POTOMAC AVE	0.71	1.67	25.48	19.01	4.46	19.01	4.46	0.00	0.00
POTOMAC AVE TO EASTN MARKET	0.62	1.48	25.22	17.15	4.59	17.15	4.59	0.00	0.00
EASTN MARKET TO CAPITOL SOUT	0.51	1.40	21.97	8.17	2.66	8.17	2.66	0.00	0.00
CAPITOL SOUT TO FED CENTR SW	0.58	1.40	24.84	7.29	2.10	7.29	2.10	0.00	0.00
FED CENTR SW TO L'ENFANT PLZ	0.33	1.19	16.70	11.06	5.55	11.06	5.55	0.00	0.00
L'ENFANT PLZ TO SMTHSONIAN	0.50	1.44	20.83	18.48	6.15	18.48	6.15	0.00	0.00
SMTHSONIAN TO FED TRIANGLE	0.38	1.27	18.07	6.48	2.83	6.48	2.83	0.00	0.00
FED TRIANGLE TO METRO CENTER	0.31	1.42	13.08	11.59	6.24	11.59	6.24	0.00	0.00
METRO CENTER TO MCPHERSON SQ	0.45	1.36	19.67	18.29	6.85	18.29	6.85	0.00	0.00
MCPHERSON SQ TO FARRGUT WEST	0.38	1.26	17.84	13.35	5.92	13.35	5.92	0.00	0.00
FARRGUT WEST TO FOGGY BOTTOM	0.50	1.44	20.74	7.89	2.65	7.89	2.65	0.00	0.00
FOGGY BOTTOM TO ROSSLYN	1.37	2.47	33.18	23.58	2.88	23.58	2.88	0.00	0.00
ROSSLYN TO ARLNGTON CEM	0.94	1.98	28.45	27.85	4.95	27.85	4.95	0.00	0.00
ARLNGTON CEM TO PENTAGON	1.31	2.35	33.37	22.97	2.93	22.97	2.93	0.00	0.00
PENTAGON TO PENTGON CITY	0.63	1.41	26.94	19.72	5.19	19.72	5.19	0.00	0.00
PENTGON CITY TO CRYSTAL CITY	0.77	1.67	27.67	17.32	3.75	17.32	3.75	0.00	0.00
CRYSTAL CITY TO NAT AIRPORT	0.59	1.12	31.63	24.36	6.87	24.36	6.87	0.00	0.00

	12.25	28.59	25.71	298.56	4.06	298.56	4.06	0.00	0.00

STATION SUMMARY

WMATA-CHO-P5-VAVE-6 CARS
 BLUE LINE MIDDAY OFF PEAK NAT AIR-D/G JU

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
				MILES	MIN	MPH	KWH	KWH/CM	KVA
NAT AIRPORT TO CRYSTAL CITY	0.59	1.65	21.40	4.80	1.36	4.80	1.36	0.00	0.00
CRYSTAL CITY TO PENTGON CITY	0.77	1.62	28.52	21.91	4.75	21.91	4.75	0.00	0.00
PENTGON CITY TO PENTAGON	0.63	1.56	24.32	10.51	2.77	10.51	2.77	0.00	0.00
PENTAGON TO ARLNGTON CEM	1.31	2.23	35.21	38.72	4.94	38.72	4.94	0.00	0.00
ARLNGTON CEM TO ROSSLYN	0.94	1.99	28.22	11.57	2.06	11.57	2.06	0.00	0.00
ROSSLYN TO FOGGY BOTTOM	1.37	2.31	35.43	34.64	4.22	34.64	4.22	0.00	0.00
FOGGY BOTTOM TO FARRGUT WEST	0.50	1.42	20.98	16.62	5.57	16.62	5.57	0.00	0.00
FARRGUT WEST TO MCPHERSON SQ	0.38	1.14	19.79	9.01	4.00	9.01	4.00	0.00	0.00
MCPHERSON SQ TO METRO CENTER	0.45	1.56	17.15	6.19	2.32	6.19	2.32	0.00	0.00
METRO CENTER TO FED TRIANGLE	0.31	1.27	14.63	8.48	4.56	8.48	4.56	0.00	0.00
FED TRIANGLE TO SMTHSONIAN	0.38	1.40	16.34	15.45	6.74	15.45	6.74	0.00	0.00
SMTHSONIAN TO L'ENFANT PLZ	0.50	1.36	22.11	7.01	2.33	7.01	2.33	0.00	0.00
L'ENFANT PLZ TO FED CENTR SW	0.33	1.21	16.48	10.60	5.31	10.60	5.31	0.00	0.00
FED CENTR SW TO CAPITOL SOUT	0.58	1.39	24.88	20.85	6.01	20.85	6.01	0.00	0.00
CAPITOL SOUT TO EASTN MARKET	0.51	1.40	21.96	18.17	5.92	18.17	5.92	0.00	0.00
EASTN MARKET TO POTOMAC AVE	0.62	1.50	24.99	16.41	4.39	16.41	4.39	0.00	0.00
POTOMAC AVE TO STADIUM ARMR	0.71	1.64	25.99	18.98	4.45	18.98	4.45	0.00	0.00
STADIUM ARMR TO DG JUNCTION	1.38	1.96	42.38	36.26	4.38	36.26	4.38	0.00	0.00

	12.25	28.61	25.69	306.18	4.17	306.18	4.17	0.00	0.00

DG JUNCTION TO STADIUM ARMR	1.38	2.26	36.67	23.98	2.90	23.98	2.90	0.00	0.00
STADIUM ARMR TO POTOMAC AVE	0.71	1.67	25.48	19.01	4.46	19.01	4.46	0.00	0.00
POTOMAC AVE TO EASTN MARKET	0.62	1.48	25.22	16.93	4.53	16.93	4.53	0.00	0.00
EASTN MARKET TO CAPITOL SOUT	0.51	1.40	21.97	8.12	2.64	8.12	2.64	0.00	0.00
CAPITOL SOUT TO FED CENTR SW	0.58	1.40	24.85	6.90	1.99	6.90	1.99	0.00	0.00
FED CENTR SW TO L'ENFANT PLZ	0.33	1.19	16.70	10.90	5.46	10.90	5.46	0.00	0.00
L'ENFANT PLZ TO SMTHSONIAN	0.50	1.44	20.83	18.15	6.04	18.15	6.04	0.00	0.00
SMTHSONIAN TO FED TRIANGLE	0.38	1.27	18.07	6.46	2.82	6.46	2.82	0.00	0.00
FED TRIANGLE TO METRO CENTER	0.31	1.42	13.08	11.57	6.23	11.57	6.23	0.00	0.00
METRO CENTER TO MCPHERSON SQ	0.45	1.36	19.67	18.33	6.86	18.33	6.87	0.00	0.00
MCPHERSON SQ TO FARRGUT WEST	0.38	1.26	17.84	13.35	5.92	13.35	5.92	0.00	0.00
FARRGUT WEST TO FOGGY BOTTOM	0.50	1.44	20.74	7.90	2.65	7.90	2.65	0.00	0.00
FOGGY BOTTOM TO ROSSLYN	1.37	2.47	33.17	23.72	2.89	23.72	2.89	0.00	0.00
ROSSLYN TO ARLNGTON CEM	0.94	1.98	28.45	28.72	5.10	28.72	5.10	0.00	0.00
ARLNGTON CEM TO PENTAGON	1.31	2.35	33.36	23.15	2.95	23.15	2.95	0.00	0.00
PENTAGON TO PENTGON CITY	0.63	1.41	26.93	19.95	5.25	19.95	5.25	0.00	0.00
PENTGON CITY TO CRYSTAL CITY	0.77	1.67	27.67	17.87	3.87	17.87	3.87	0.00	0.00
CRYSTAL CITY TO NAT AIRPORT	0.59	1.12	31.63	24.43	6.89	24.43	6.89	0.00	0.00

	12.25	28.59	25.71	299.43	4.07	299.43	4.07	0.00	0.00

STATION SUMMARY

WMATA-CHO-P5-VAVE-6 CARS
ORANGE LINE AM PEAK BALL-NEW CARR

		DISTANCE	TIME	SPEED	ENERGY				FUEL	
		MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
BALLSTON	TO VIRGINIA SQ	0.56	1.60	21.19	16.02	4.74	16.02	4.74	0.00	0.00
VIRGINIA SQ	TO CLARENDON	0.47	1.26	22.33	13.40	4.77	13.40	4.77	0.00	0.00
CLARENDON	TO COURTHOUSE	0.51	1.38	22.05	2.10	0.69	2.10	0.69	0.00	0.00
COURTHOUSE	TO ROSSLYN	1.09	2.31	28.24	-9.95	-1.52	-9.95	-1.52	0.00	0.00
ROSSLYN	TO FOGGY BOTTOM	1.37	2.32	35.41	36.29	4.43	36.29	4.43	0.00	0.00
FOGGY BOTTOM	TO FARRGUT WEST	0.50	1.42	20.98	17.64	5.91	17.64	5.91	0.00	0.00
FARRGUT WEST	TO MCPHERSON SQ	0.38	1.14	19.79	9.01	4.00	9.01	4.00	0.00	0.00
MCPHERSON SQ	TO METRO CENTER	0.45	1.56	17.15	6.24	2.34	6.24	2.34	0.00	0.00
METRO CENTER	TO FED TRIANGLE	0.31	1.27	14.63	8.43	4.54	8.43	4.54	0.00	0.00
FED TRIANGLE	TO SMTHSONIAN	0.38	1.40	16.34	15.31	6.68	15.31	6.68	0.00	0.00
SMTHSONIAN	TO L'ENFANT PLZ	0.50	1.36	22.11	7.01	2.33	7.01	2.33	0.00	0.00
L'ENFANT PLZ	TO FED CENTR SW	0.33	1.21	16.48	10.52	5.27	10.52	5.27	0.00	0.00
FED CENTR SW	TO CAPITOL SOUT	0.58	1.39	24.88	20.04	5.78	20.04	5.78	0.00	0.00
CAPITOL SOUT	TO EASTN MARKET	0.51	1.40	21.96	17.98	5.85	17.98	5.85	0.00	0.00
EASTN MARKET	TO POTOMAC AVE	0.62	1.50	24.99	16.32	4.37	16.32	4.37	0.00	0.00
POTOMAC AVE	TO STADIUM ARMR	0.71	1.74	24.50	19.22	4.51	19.22	4.51	0.00	0.00
STADIUM ARMR	TO MINNESOTA AV	2.09	3.45	36.32	50.69	4.05	50.69	4.05	0.00	0.00
MINNESOTA AV	TO DEANWOOD	0.88	1.80	29.45	20.26	3.82	20.26	3.82	0.00	0.00
DEANWOOD	TO CHEVERLY	1.10	1.84	35.77	26.01	3.95	26.01	3.95	0.00	0.00
CHEVERLY	TO LANDOVER	1.83	2.51	43.77	47.05	4.28	47.05	4.28	0.00	0.00
LANDOVER	TO NEW CARRLTON	1.41	2.17	39.10	27.77	3.28	27.77	3.28	0.00	0.00
		16.57	36.02	27.60	377.35	3.79	377.35	3.80	0.00	0.00
NEW CARRLTON	TO LANDOVER	1.41	2.55	33.20	22.12	2.61	22.12	2.61	0.00	0.00
LANDOVER	TO CHEVERLY	1.83	2.45	44.75	29.35	2.67	29.35	2.67	0.00	0.00
CHEVERLY	TO DEANWOOD	1.10	1.99	33.04	24.49	3.72	24.49	3.72	0.00	0.00
DEANWOOD	TO MINNESOTA AV	0.88	1.66	31.86	23.18	4.38	23.18	4.38	0.00	0.00
MINNESOTA AV	TO STADIUM ARMR	2.09	3.14	39.90	38.93	3.11	38.93	3.11	0.00	0.00
STADIUM ARMR	TO POTOMAC AVE	0.71	1.67	25.47	19.47	4.57	19.47	4.57	0.00	0.00
POTOMAC AVE	TO EASTN MARKET	0.62	1.48	25.22	17.15	4.59	17.15	4.59	0.00	0.00
EASTN MARKET	TO CAPITOL SOUT	0.51	1.40	21.97	8.17	2.66	8.17	2.66	0.00	0.00
CAPITOL SOUT	TO FED CENTR SW	0.58	1.40	24.84	7.29	2.10	7.29	2.10	0.00	0.00
FED CENTR SW	TO L'ENFANT PLZ	0.33	1.19	16.70	11.06	5.55	11.06	5.55	0.00	0.00
L'ENFANT PLZ	TO SMTHSONIAN	0.50	1.44	20.83	18.48	6.15	18.48	6.15	0.00	0.00
SMTHSONIAN	TO FED TRIANGLE	0.38	1.27	18.07	6.48	2.83	6.48	2.83	0.00	0.00
FED TRIANGLE	TO METRO CENTER	0.31	1.42	13.08	11.59	6.24	11.59	6.24	0.00	0.00
METRO CENTER	TO MCPHERSON SQ	0.45	1.36	19.67	18.29	6.85	18.29	6.85	0.00	0.00
MCPHERSON SQ	TO FARRGUT WEST	0.38	1.26	17.84	13.35	5.92	13.35	5.92	0.00	0.00
FARRGUT WEST	TO FOGGY BOTTOM	0.50	1.44	20.74	7.89	2.65	7.89	2.65	0.00	0.00
FOGGY BOTTOM	TO ROSSLYN	1.37	2.47	33.18	23.58	2.88	23.58	2.88	0.00	0.00
ROSSLYN	TO COURTHOUSE	1.09	2.16	30.18	54.18	8.29	54.18	8.29	0.00	0.00
COURTHOUSE	TO CLARENDON	0.51	1.38	22.05	22.47	7.36	22.47	7.36	0.00	0.00
CLARENDON	TO VIRGINIA SQ	0.47	1.34	20.94	9.50	3.38	9.50	3.38	0.00	0.00
VIRGINIA SQ	TO BALLSTON	0.56	1.33	25.48	15.36	4.54	15.36	4.54	0.00	0.00
		16.57	35.83	27.75	402.39	4.05	402.40	4.05	0.00	0.00

STATION SUMMARY

WMATA-CHO-P5-VAVE-6 CARS
ORANGE LINE MIDDAY OFF PEAK BALL-NEW CAR

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
				MILES	MIN	MPH	KWH	KWH/CM	KVA
BALLSTON TO VIRGINIA SQ	0.56	1.60	21.19	15.88	4.70	15.88	4.70	0.00	0.00
VIRGINIA SQ TO CLARENDON	0.47	1.26	22.33	13.10	4.66	13.10	4.66	0.00	0.00
CLARENDON TO COURTHOUSE	0.51	1.38	22.05	3.10	1.02	3.10	1.02	0.00	0.00
COURTHOUSE TO ROSSLYN	1.09	2.31	28.25	-8.47	-1.30	-8.47	-1.30	0.00	0.00
ROSSLYN TO FOGGY BOTTOM	1.37	2.31	35.43	34.64	4.22	34.64	4.22	0.00	0.00
FOGGY BOTTOM TO FARRGUT WEST	0.50	1.42	20.98	16.62	5.57	16.62	5.57	0.00	0.00
FARRGUT WEST TO MCPHERSON SQ	0.38	1.14	19.79	9.01	4.00	9.01	4.00	0.00	0.00
MCPHERSON SQ TO METRO CENTER	0.45	1.56	17.15	6.19	2.32	6.19	2.32	0.00	0.00
METRO CENTER TO FED TRIANGLE	0.31	1.27	14.63	8.48	4.56	8.48	4.56	0.00	0.00
FED TRIANGLE TO SMTHSONIAN	0.38	1.40	16.34	15.45	6.74	15.45	6.74	0.00	0.00
SMTHSONIAN TO L'ENFANT PLZ	0.50	1.36	22.11	7.01	2.33	7.01	2.33	0.00	0.00
L'ENFANT PLZ TO FED CENTR SW	0.33	1.21	16.48	10.60	5.31	10.60	5.31	0.00	0.00
FED CENTR SW TO CAPITOL SOUT	0.58	1.39	24.88	20.85	6.01	20.85	6.01	0.00	0.00
CAPITOL SOUT TO EASTN MARKET	0.51	1.40	21.96	18.17	5.92	18.17	5.92	0.00	0.00
EASTN MARKET TO POTOMAC AVE	0.62	1.50	24.99	16.41	4.39	16.41	4.39	0.00	0.00
POTOMAC AVE TO STADIUM ARM	0.71	1.74	24.50	19.28	4.52	19.28	4.52	0.00	0.00
STADIUM ARM TO MINNESOTA AV	2.09	3.45	36.31	50.62	4.04	50.62	4.04	0.00	0.00
MINNESOTA AV TO DEANWOOD	0.88	1.80	29.44	20.34	3.84	20.34	3.84	0.00	0.00
DEANWOOD TO CHEVERLY	1.10	1.84	35.76	26.68	4.05	26.68	4.05	0.00	0.00
CHEVERLY TO LANDOVER	1.83	2.51	43.75	46.52	4.24	46.52	4.24	0.00	0.00
LANDOVER TO NEW CARRLTON	1.41	2.17	39.10	27.87	3.29	27.87	3.29	0.00	0.00
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	16.57	36.02	27.60	378.33	3.80	378.33	3.80	0.00	0.00
NEW CARRLTON TO LANDOVER	1.41	2.55	33.20	22.12	2.61	22.12	2.61	0.00	0.00
LANDOVER TO CHEVERLY	1.83	2.45	44.79	28.02	2.55	28.02	2.55	0.00	0.00
CHEVERLY TO DEANWOOD	1.10	1.99	33.05	23.12	3.51	23.12	3.51	0.00	0.00
DEANWOOD TO MINNESOTA AV	0.88	1.66	31.88	22.14	4.18	22.14	4.18	0.00	0.00
MINNESOTA AV TO STADIUM ARM	2.09	3.13	39.97	37.74	3.01	37.74	3.01	0.00	0.00
STADIUM ARM TO POTOMAC AVE	0.71	1.67	25.48	19.16	4.50	19.16	4.50	0.00	0.00
POTOMAC AVE TO EASTN MARKET	0.62	1.48	25.22	16.93	4.53	16.93	4.53	0.00	0.00
EASTN MARKET TO CAPITOL SOUT	0.51	1.40	21.97	8.12	2.64	8.12	2.64	0.00	0.00
CAPITOL SOUT TO FED CENTR SW	0.58	1.40	24.85	6.90	1.99	6.90	1.99	0.00	0.00
FED CENTR SW TO L'ENFANT PLZ	0.33	1.19	16.70	10.90	5.46	10.90	5.46	0.00	0.00
L'ENFANT PLZ TO SMTHSONIAN	0.50	1.44	20.83	18.15	6.04	18.15	6.04	0.00	0.00
SMTHSONIAN TO FED TRIANGLE	0.38	1.27	18.07	6.46	2.82	6.46	2.82	0.00	0.00
FED TRIANGLE TO METRO CENTER	0.31	1.42	13.08	11.57	6.23	11.57	6.23	0.00	0.00
METRO CENTER TO MCPHERSON SQ	0.45	1.36	19.67	18.33	6.86	18.33	6.87	0.00	0.00
MCPHERSON SQ TO FARRGUT WEST	0.38	1.26	17.84	13.35	5.92	13.35	5.92	0.00	0.00
FARRGUT WEST TO FOGGY BOTTOM	0.50	1.44	20.74	7.90	2.65	7.90	2.65	0.00	0.00
FOGGY BOTTOM TO ROSSLYN	1.37	2.47	33.17	23.72	2.89	23.72	2.89	0.00	0.00
ROSSLYN TO COURTHOUSE	1.09	2.16	30.18	55.14	8.44	55.14	8.44	0.00	0.00
COURTHOUSE TO CLARENDON	0.51	1.38	22.05	22.75	7.45	22.75	7.45	0.00	0.00
CLARENDON TO VIRGINIA SQ	0.47	1.34	20.94	9.55	3.40	9.55	3.40	0.00	0.00
VIRGINIA SQ TO BALLSTON	0.56	1.33	25.48	15.40	4.55	15.40	4.55	0.00	0.00
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	16.57	35.82	27.76	397.46	4.00	397.46	4.00	0.00	0.00

9.7.2.**REGENERATION USING HIGHLY REGENERATIVE CHOPPER - PL2 OPERATION
TPS STATION SUMMARIES**

STATION SUMMARY

WMATA-CHO-P5-VAVE-6 CARS-STORAGE
RED LINE AM PEAK OUTBND

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
	MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
DUPONT CIRCL TO FARRAGUT NOR	0.51	1.51	20.40	25.47	8.29	25.47	8.29	0.00	0.00
FARRAGUT NOR TO METRO CENTER	0.78	1.90	24.75	15.55	3.31	15.55	3.31	0.00	0.00
METRO CENTER TO GALLERY PL	0.29	1.10	15.57	7.76	4.54	7.76	4.54	0.00	0.00
GALLERY PL TO JUDICIARY SQ	0.37	1.25	17.90	13.28	5.95	13.28	5.95	0.00	0.00
JUDICIARY SQ TO UNION STATN	0.65	1.85	21.09	20.81	5.33	20.81	5.33	0.00	0.00
UNION STATN TO RHODE ISLND	1.76	3.09	34.29	62.94	5.95	62.94	5.95	0.00	0.00
RHODE ISLND TO BROOKLAND	0.86	1.72	30.05	27.85	5.38	27.85	5.38	0.00	0.00
BROOKLAND TO FORT TOTTEN	1.35	2.20	36.64	37.51	4.65	37.51	4.65	0.00	0.00
FORT TOTTEN TO TAKOMA	1.90	2.73	41.75	60.47	5.30	60.47	5.30	0.00	0.00
TAKOMA TO SILVER SPRNG	1.42	1.82	46.89	44.78	5.26	44.78	5.26	0.00	0.00
	9.89	19.16	30.98	316.43	5.33	316.43	5.33	0.00	0.00

STATION SUMMARY

WMATA-CHO-P5-VAVE-6 CARS-STORAGE
RED LINE AM PEAK INBND

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
	MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
SILVER SPRNG TO TAKOMA	1.42	2.30	37.08	41.72	4.90	41.72	4.90	0.00	0.00
TAKOMA TO FORT TOTTEN	1.90	2.57	44.33	24.85	2.18	24.85	2.18	0.00	0.00
FORT TOTTEN TO BROOKLAND	1.35	2.14	37.72	17.78	2.20	17.78	2.20	0.00	0.00
BROOKLAND TO RHODE ISLND	0.86	1.70	30.37	22.56	4.36	22.56	4.36	0.00	0.00
RHODE ISLND TO UNION STATN	1.76	2.79	37.92	17.18	1.62	17.18	1.62	0.00	0.00
UNION STATN TO JUDICIARY SQ	0.65	1.74	22.51	1.75	0.45	1.75	0.45	0.00	0.00
JUDICIARY SQ TO GALLERY PL	0.37	1.25	17.89	10.46	4.68	10.46	4.68	0.00	0.00
GALLERY PL TO METRO CENTER	0.29	1.28	13.34	11.32	6.62	11.32	6.62	0.00	0.00
METRO CENTER TO FARRAGUT NOR	0.78	1.92	24.43	26.60	5.66	26.60	5.66	0.00	0.00
FARRAGUT NOR TO DUPONT CIRCL	0.51	1.01	30.59	12.85	4.17	12.85	4.17	0.00	0.00
	9.89	18.70	31.75	187.07	3.15	187.07	3.15	0.00	0.00

STATION SUMMARY

WMATA-CHO-P5-VAVE-8 CARS-STORAGE
RED LINE AM PEAK OUTBND

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
	MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
DUPONT CIRCL TO FARRAGUT NOR	0.51	1.51	20.40	33.93	8.28	33.93	8.28	0.00	0.00
FARRAGUT NOR TO METRO CENTER	0.78	1.90	24.75	20.66	3.30	20.66	3.30	0.00	0.00
METRO CENTER TO GALLERY PL	0.29	1.10	15.57	10.33	4.53	10.33	4.53	0.00	0.00
GALLERY PL TO JUDICIARY SQ	0.37	1.25	17.90	17.68	5.94	17.68	5.94	0.00	0.00
JUDICIARY SQ TO UNION STATN	0.65	1.85	21.09	27.69	5.31	27.69	5.31	0.00	0.00
UNION STATN TO RHODE ISLND	1.76	3.09	34.29	83.66	5.93	83.66	5.93	0.00	0.00
RHODE ISLND TO BROOKLAND	0.86	1.72	30.05	36.95	5.36	36.95	5.36	0.00	0.00
BROOKLAND TO FORT TOTTEN	1.35	2.20	36.64	49.67	4.61	49.67	4.61	0.00	0.00
FORT TOTTEN TO TAKOMA	1.90	2.73	41.76	79.68	5.24	79.68	5.24	0.00	0.00
TAKOMA TO SILVER SPRNG	1.42	1.82	46.90	59.32	5.22	59.32	5.22	0.00	0.00
	9.89	19.16	30.98	419.57	5.30	419.57	5.30	0.00	0.00

STATION SUMMARY

WMATA-CHO-P5-VAVE-8 CARS-STORAGE
RED LINE AM PEAK INBND

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
	MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
SILVER SPRNG TO TAKOMA	1.42	2.29	37.08	54.89	4.84	54.89	4.84	0.00	0.00
TAKOMA TO FORT TOTTEN	1.90	2.57	44.34	32.71	2.15	32.71	2.15	0.00	0.00
FORT TOTTEN TO BROOKLAND	1.35	2.14	37.72	23.22	2.16	23.22	2.16	0.00	0.00
BROOKLAND TO RHODE ISLND	0.86	1.70	30.37	29.88	4.33	29.88	4.33	0.00	0.00
RHODE ISLND TO UNION STATN	1.76	2.79	37.92	22.66	1.61	22.66	1.61	0.00	0.00
UNION STATN TO JUDICIARY SQ	0.65	1.74	22.51	2.21	0.42	2.21	0.42	0.00	0.00
JUDICIARY SQ TO GALLERY PL	0.37	1.25	17.89	13.92	4.68	13.92	4.68	0.00	0.00
GALLERY PL TO METRO CENTER	0.29	1.28	13.34	15.09	6.62	15.09	6.62	0.00	0.00
METRO CENTER TO FARRAGUT NOR	0.78	1.92	24.43	35.36	5.64	35.36	5.64	0.00	0.00
FARRAGUT NOR TO DUPONT CIRCL	0.51	1.01	30.59	17.13	4.17	17.13	4.17	0.00	0.00
	9.89	18.70	31.75	247.07	3.12	247.07	3.12	0.00	0.00

STATION SUMMARY

WMATA-CHO-P5-VAVE-6 CARS-STORAGE
RED LINE MIDDAY OUTBND

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
	MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
DUPONT CIRCL TO FARRAGUT NOR	0.51	1.51	20.40	25.54	8.31	25.54	8.31	0.00	0.00
FARRAGUT NOR TO METRO CENTER	0.78	1.90	24.74	15.99	3.40	15.99	3.40	0.00	0.00
METRO CENTER TO GALLERY PL	0.29	1.10	15.57	7.96	4.65	7.96	4.65	0.00	0.00
GALLERY PL TO JUDICIARY SQ	0.37	1.25	17.90	13.57	6.08	13.57	6.08	0.00	0.00
JUDICIARY SQ TO UNION STATN	0.65	1.85	21.09	21.30	5.45	21.30	5.45	0.00	0.00
UNION STATN TO RHODE ISLND	1.76	3.09	34.29	64.15	6.06	64.15	6.06	0.00	0.00
RHODE ISLND TO BROOKLAND	0.86	1.72	30.03	27.59	5.33	27.59	5.33	0.00	0.00
BROOKLAND TO FORT TOTTEN	1.35	2.20	36.61	37.65	4.66	37.65	4.66	0.00	0.00
FORT TOTTEN TO TAKOMA	1.90	2.73	41.73	60.35	5.29	60.35	5.29	0.00	0.00
TAKOMA TO SILVER SPRNG	1.42	1.82	46.86	45.09	5.30	45.09	5.30	0.00	0.00
	9.89	19.17	30.97	319.19	5.38	319.19	5.38	0.00	0.00

STATION SUMMARY

WMATA-CHO-P5-VAVE-6 CARS-STORAGE
RED LINE MIDDAY INBND

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
	MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
SILVER SPRNG TO TAKOMA	1.42	2.30	37.08	41.72	4.90	41.72	4.90	0.00	0.00
TAKOMA TO FORT TOTTEN	1.90	2.55	44.69	23.34	2.05	23.34	2.05	0.00	0.00
FORT TOTTEN TO BROOKLAND	1.35	2.14	37.78	17.73	2.20	17.73	2.20	0.00	0.00
BROOKLAND TO RHODE ISLND	0.86	1.70	30.41	20.86	4.03	20.86	4.03	0.00	0.00
RHODE ISLND TO UNION STATN	1.76	2.79	37.96	16.75	1.58	16.75	1.58	0.00	0.00
UNION STATN TO JUDICIARY SQ	0.65	1.74	22.51	2.44	0.63	2.44	0.63	0.00	0.00
JUDICIARY SQ TO GALLERY PL	0.37	1.25	17.90	10.18	4.56	10.18	4.56	0.00	0.00
GALLERY PL TO METRO CENTER	0.29	1.28	13.34	11.73	6.86	11.73	6.86	0.00	0.00
METRO CENTER TO FARRAGUT NOR	0.78	1.92	24.43	26.52	5.64	26.52	5.64	0.00	0.00
FARRAGUT NOR TO DUPONT CIRCL	0.51	1.01	30.60	13.55	4.40	13.55	4.40	0.00	0.00
	9.89	18.67	31.80	184.82	3.11	184.82	3.11	0.00	0.00

STATION SUMMARY

WMATA-CHO-P5-VAVE-6 CARS-STORAGE
BLUE LINE AM PEAK NAT AIR-DG JUNC

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
	MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
NAT AIRPORT TO CRYSTAL CITY	0.59	1.65	21.40	14.29	4.04	14.29	4.04	0.00	0.00
CRYSTAL CITY TO PENTGON CITY	0.77	1.62	28.51	24.19	5.24	24.19	5.24	0.00	0.00
PENTGON CITY TO PENTAGON	0.63	1.56	24.29	15.35	4.04	15.35	4.04	0.00	0.00
PENTAGON TO ARLNGTON CEM	1.31	2.23	35.19	45.13	5.76	45.13	5.76	0.00	0.00
ARLNGTON CEM TO ROSSLYN	0.94	2.00	28.18	14.67	2.61	14.67	2.61	0.00	0.00
ROSSLYN TO FOGGY BOTTOM	1.37	2.31	35.43	39.91	4.87	39.91	4.87	0.00	0.00
FOGGY BOTTOM TO FARRGUT WEST	0.50	1.42	20.97	15.51	5.20	15.51	5.20	0.00	0.00
FARRGUT WEST TO MCPHERSON SQ	0.38	1.14	19.79	9.60	4.26	9.60	4.26	0.00	0.00
MCPHERSON SQ TO METRO CENTER	0.45	1.56	17.15	5.52	2.07	5.52	2.07	0.00	0.00
METRO CENTER TO FED TRIANGLE	0.31	1.27	14.63	9.88	5.32	9.88	5.32	0.00	0.00
FED TRIANGLE TO SMTHSONIAN	0.38	1.40	16.34	16.20	7.07	16.20	7.07	0.00	0.00
SMTHSONIAN TO L'ENFANT PLZ	0.50	1.36	22.11	12.29	4.09	12.29	4.09	0.00	0.00
L'ENFANT PLZ TO FED CENTR SW	0.33	1.21	16.48	9.42	4.73	9.42	4.73	0.00	0.00
FED CENTR SW TO CAPITOL SOUT	0.58	1.40	24.86	28.91	8.34	28.91	8.34	0.00	0.00
CAPITOL SOUT TO EASTN MARKET	0.51	1.40	21.96	16.99	5.53	16.99	5.53	0.00	0.00
EASTN MARKET TO POTOMAC AVE	0.62	1.50	24.98	19.97	5.34	19.97	5.34	0.00	0.00
POTOMAC AVE TO STADIUM ARMR	0.71	1.64	25.99	18.55	4.35	18.55	4.35	0.00	0.00
STADIUM ARMR TO DG JUNCTION	1.38	1.96	42.29	43.98	5.31	43.98	5.31	0.00	0.00

	12.25	28.63	25.68	360.38	4.90	360.38	4.90	0.00	0.00

DG JUNCTION TO STADIUM ARMR	1.38	2.26	36.57	41.81	5.05	41.81	5.05	0.00	0.00
STADIUM ARMR TO POTOMAC AVE	0.71	1.67	25.48	10.60	2.49	10.60	2.49	0.00	0.00
POTOMAC AVE TO EASTN MARKET	0.62	1.48	25.21	22.04	5.90	22.04	5.90	0.00	0.00
EASTN MARKET TO CAPITOL SOUT	0.51	1.40	21.97	9.62	3.13	9.62	3.13	0.00	0.00
CAPITOL SOUT TO FED CENTR SW	0.58	1.40	24.83	10.56	3.04	10.56	3.04	0.00	0.00
FED CENTR SW TO L'ENFANT PLZ	0.33	1.19	16.70	6.59	3.31	6.59	3.31	0.00	0.00
L'ENFANT PLZ TO SMTHSONIAN	0.50	1.44	20.82	22.22	7.39	22.22	7.39	0.00	0.00
SMTHSONIAN TO FED TRIANGLE	0.38	1.27	18.06	8.07	3.52	8.07	3.52	0.00	0.00
FED TRIANGLE TO METRO CENTER	0.31	1.42	13.08	10.05	5.41	10.05	5.41	0.00	0.00
METRO CENTER TO MCPHERSON SQ	0.45	1.36	19.67	20.89	7.82	20.89	7.82	0.00	0.00
MCPHERSON SQ TO FARRGUT WEST	0.38	1.26	17.84	16.50	7.32	16.50	7.32	0.00	0.00
FARRGUT WEST TO FOGGY BOTTOM	0.50	1.44	20.73	10.58	3.55	10.58	3.55	0.00	0.00
FOGGY BOTTOM TO ROSSLYN	1.37	2.47	33.13	27.03	3.30	27.03	3.30	0.00	0.00
ROSSLYN TO ARLNGTON CEM	0.94	1.98	28.44	33.17	5.89	33.17	5.89	0.00	0.00
ARLNGTON CEM TO PENTAGON	1.31	2.35	33.33	25.83	3.30	25.83	3.30	0.00	0.00
PENTAGON TO PENTGON CITY	0.63	1.41	26.92	22.19	5.84	22.19	5.84	0.00	0.00
PENTGON CITY TO CRYSTAL CITY	0.77	1.67	27.66	20.20	4.38	20.20	4.38	0.00	0.00
CRYSTAL CITY TO NAT AIRPORT	0.59	1.12	31.63	24.62	6.94	24.62	6.94	0.00	0.00

	12.25	28.61	25.69	342.57	4.66	342.57	4.66	0.00	0.00

STATION SUMMARY

WMATA-CHO-P5-VAVE-6 CARS-STORAGE
 BLUE LINE MIDDAY OFF PEAK NAT AIR-D/G JU

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
	MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
NAT AIRPORT TO CRYSTAL CITY	0.59	1.65	21.40	14.34	4.05	14.34	4.05	0.00	0.00
CRYSTAL CITY TO PENTGON CITY	0.77	1.62	28.51	24.75	5.36	24.75	5.36	0.00	0.00
PENTGON CITY TO PENTAGON	0.63	1.56	24.30	14.85	3.91	14.85	3.91	0.00	0.00
PENTAGON TO ARLNGTON CEM	1.31	2.23	35.16	43.58	5.56	43.58	5.56	0.00	0.00
ARLNGTON CEM TO ROSSLYN	0.94	2.00	28.20	13.87	2.46	13.87	2.46	0.00	0.00
ROSSLYN TO FOGGY BOTTOM	1.37	2.31	35.45	38.65	4.71	38.65	4.71	0.00	0.00
FOGGY BOTTOM TO FARRGUT WEST	0.50	1.42	20.97	15.67	5.25	15.67	5.25	0.00	0.00
FARRGUT WEST TO MCPHERSON SQ	0.38	1.14	19.79	10.44	4.63	10.44	4.63	0.00	0.00
MCPHERSON SQ TO METRO CENTER	0.45	1.56	17.15	5.60	2.10	5.60	2.10	0.00	0.00
METRO CENTER TO FED TRIANGLE	0.31	1.27	14.63	9.91	5.33	9.91	5.33	0.00	0.00
FED TRIANGLE TO SMTHSONIAN	0.38	1.40	16.34	16.38	7.15	16.38	7.15	0.00	0.00
SMTHSONIAN TO L'ENFANT PLZ	0.50	1.36	22.11	12.31	4.09	12.31	4.09	0.00	0.00
L'ENFANT PLZ TO FED CENTR SW	0.33	1.21	16.48	9.55	4.79	9.55	4.79	0.00	0.00
FED CENTR SW TO CAPITOL SOUT	0.58	1.40	24.85	29.42	8.48	29.42	8.48	0.00	0.00
CAPITOL SOUT TO EASTN MARKET	0.51	1.40	21.96	17.16	5.59	17.16	5.59	0.00	0.00
EASTN MARKET TO POTOMAC AVE	0.62	1.50	24.98	20.10	5.38	20.10	5.38	0.00	0.00
POTOMAC AVE TO STADIUM ARM	0.71	1.64	25.99	18.59	4.36	18.59	4.36	0.00	0.00
STADIUM ARM TO DG JUNCTION	1.38	1.96	42.29	43.91	5.30	43.91	5.30	0.00	0.00

	12.25	28.63	25.68	359.08	4.89	359.08	4.89	0.00	0.00

DG JUNCTION TO STADIUM ARM	1.38	2.26	36.57	41.81	5.05	41.81	5.05	0.00	0.00
STADIUM ARM TO POTOMAC AVE	0.71	1.67	25.48	10.60	2.49	10.60	2.49	0.00	0.00
POTOMAC AVE TO EASTN MARKET	0.62	1.48	25.21	21.52	5.76	21.52	5.76	0.00	0.00
EASTN MARKET TO CAPITOL SOUT	0.51	1.40	21.97	9.34	3.04	9.34	3.04	0.00	0.00
CAPITOL SOUT TO FED CENTR SW	0.58	1.40	24.84	11.09	3.20	11.09	3.20	0.00	0.00
FED CENTR SW TO L'ENFANT PLZ	0.33	1.19	16.70	6.85	3.44	6.85	3.44	0.00	0.00
L'ENFANT PLZ TO SMTHSONIAN	0.50	1.44	20.82	21.84	7.27	21.84	7.27	0.00	0.00
SMTHSONIAN TO FED TRIANGLE	0.38	1.27	18.06	8.05	3.51	8.05	3.51	0.00	0.00
FED TRIANGLE TO METRO CENTER	0.31	1.42	13.08	10.17	5.47	10.17	5.47	0.00	0.00
METRO CENTER TO MCPHERSON SQ	0.45	1.36	19.67	20.97	7.85	20.97	7.85	0.00	0.00
MCPHERSON SQ TO FARRGUT WEST	0.38	1.26	17.84	16.48	7.32	16.48	7.32	0.00	0.00
FARRGUT WEST TO FOGGY BOTTOM	0.50	1.44	20.73	10.68	3.58	10.68	3.58	0.00	0.00
FOGGY BOTTOM TO ROSSLYN	1.37	2.48	33.12	26.64	3.25	26.64	3.25	0.00	0.00
ROSSLYN TO ARLNGTON CEM	0.94	1.98	28.44	33.10	5.88	33.10	5.88	0.00	0.00
ARLNGTON CEM TO PENTAGON	1.31	2.35	33.32	26.14	3.34	26.14	3.34	0.00	0.00
PENTAGON TO PENTGON CITY	0.63	1.41	26.92	22.38	5.89	22.38	5.89	0.00	0.00
PENTGON CITY TO CRYSTAL CITY	0.77	1.67	27.66	20.20	4.38	20.20	4.38	0.00	0.00
CRYSTAL CITY TO NAT AIRPORT	0.59	1.12	31.63	24.66	6.96	24.66	6.96	0.00	0.00

	12.25	28.61	25.69	342.55	4.66	342.55	4.66	0.00	0.00

STATION SUMMARY

WMATA-CHO-P5-VAVE-6 CARS-STORAGE
ORANGE LINE AM PEAK BALL-NEW CARR

		DISTANCE	TIME	SPEED	ENERGY				FUEL	
		MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
BALLSTON	TO VIRGINIA SQ	0.56	1.60	21.19	19.51	5.77	19.51	5.77	0.00	0.00
VIRGINIA SQ	TO CLARENDON	0.47	1.26	22.32	19.22	6.84	19.22	6.84	0.00	0.00
CLARENDON	TO COURTHOUSE	0.51	1.38	22.05	7.49	2.45	7.49	2.45	0.00	0.00
COURTHOUSE	TO ROSSLYN	1.09	2.31	28.24	4.35	0.67	4.35	0.67	0.00	0.00
ROSSLYN	TO FOGGY BOTTOM	1.37	2.31	35.43	29.42	3.59	29.42	3.59	0.00	0.00
FOGGY BOTTOM	TO FARRGUT WEST	0.50	1.42	20.97	15.51	5.20	15.51	5.20	0.00	0.00
FARRGUT WEST	TO MCPHERSON SQ	0.38	1.14	19.79	9.60	4.26	9.60	4.26	0.00	0.00
MCPHERSON SQ	TO METRO CENTER	0.45	1.56	17.15	5.52	2.07	5.52	2.07	0.00	0.00
METRO CENTER	TO FED TRIANGLE	0.31	1.27	14.63	9.88	5.32	9.88	5.32	0.00	0.00
FED TRIANGLE	TO SMTHSONIAN	0.38	1.40	16.34	16.20	7.07	16.20	7.07	0.00	0.00
SMTHSONIAN	TO L'ENFANT PLZ	0.50	1.36	22.11	12.29	4.09	12.29	4.09	0.00	0.00
L'ENFANT PLZ	TO FED CENTR SW	0.33	1.21	16.48	9.42	4.73	9.42	4.73	0.00	0.00
FED CENTR SW	TO CAPITOL SOUT	0.58	1.40	24.86	28.91	8.34	28.91	8.34	0.00	0.00
CAPITOL SOUT	TO EASTN MARKET	0.51	1.40	21.96	16.99	5.53	16.99	5.53	0.00	0.00
EASTN MARKET	TO POTOMAC AVE	0.62	1.50	24.98	19.97	5.34	19.97	5.34	0.00	0.00
POTOMAC AVE	TO STADIUM ARM	0.71	1.74	24.50	18.55	4.35	18.55	4.35	0.00	0.00
STADIUM ARM	TO MINNESOTA AV	2.09	3.45	36.26	60.00	4.79	60.00	4.79	0.00	0.00
MINNESOTA AV	TO DEANWOOD	0.88	1.80	29.43	18.29	3.45	18.29	3.45	0.00	0.00
DEANWOOD	TO CHEVERLY	1.10	1.84	35.71	37.10	5.63	37.10	5.63	0.00	0.00
CHEVERLY	TO LANDOVER	1.83	2.52	43.63	53.16	4.84	53.16	4.84	0.00	0.00
LANDOVER	TO NEW CARRLTON	1.41	2.17	39.09	23.68	2.79	23.68	2.79	0.00	0.00
		16.57	36.04	27.59	435.06	4.38	435.06	4.38	0.00	0.00
NEW CARRLTON	TO LANDOVER	1.41	2.55	33.19	32.72	3.86	32.72	3.86	0.00	0.00
LANDOVER	TO CHEVERLY	1.83	2.46	44.62	43.26	3.94	43.26	3.94	0.00	0.00
CHEVERLY	TO DEANWOOD	1.10	2.00	33.01	18.94	2.88	18.94	2.88	0.00	0.00
DEANWOOD	TO MINNESOTA AV	0.88	1.67	31.80	25.44	4.80	25.44	4.80	0.00	0.00
MINNESOTA AV	TO STADIUM ARM	2.09	3.15	39.82	48.39	3.86	48.39	3.86	0.00	0.00
STADIUM ARM	TO POTOMAC AVE	0.71	1.67	25.47	11.15	2.62	11.15	2.62	0.00	0.00
POTOMAC AVE	TO EASTN MARKET	0.62	1.48	25.21	21.48	5.75	21.48	5.75	0.00	0.00
EASTN MARKET	TO CAPITOL SOUT	0.51	1.40	21.97	9.62	3.13	9.62	3.13	0.00	0.00
CAPITOL SOUT	TO FED CENTR SW	0.58	1.40	24.83	10.56	3.04	10.56	3.04	0.00	0.00
FED CENTR SW	TO L'ENFANT PLZ	0.33	1.19	16.70	6.59	3.31	6.59	3.31	0.00	0.00
L'ENFANT PLZ	TO SMTHSONIAN	0.50	1.44	20.82	22.22	7.39	22.22	7.39	0.00	0.00
SMTHSONIAN	TO FED TRIANGLE	0.38	1.27	18.06	8.07	3.52	8.07	3.52	0.00	0.00
FED TRIANGLE	TO METRO CENTER	0.31	1.42	13.08	10.05	5.41	10.05	5.41	0.00	0.00
METRO CENTER	TO MCPHERSON SQ	0.45	1.36	19.67	20.89	7.82	20.89	7.82	0.00	0.00
MCPHERSON SQ	TO FARRGUT WEST	0.38	1.26	17.84	16.50	7.32	16.50	7.32	0.00	0.00
FARRGUT WEST	TO FOGGY BOTTOM	0.50	1.44	20.73	10.58	3.55	10.58	3.55	0.00	0.00
FOGGY BOTTOM	TO ROSSLYN	1.37	2.47	33.13	27.03	3.30	27.03	3.30	0.00	0.00
ROSSLYN	TO COURTHOUSE	1.09	2.16	30.19	59.35	9.09	59.35	9.09	0.00	0.00
COURTHOUSE	TO CLARENDON	0.51	1.38	22.04	24.03	7.87	24.03	7.87	0.00	0.00
CLARENDON	TO VIRGINIA SQ	0.47	1.34	20.94	11.41	4.06	11.41	4.06	0.00	0.00
VIRGINIA SQ	TO BALLSTON	0.56	1.33	25.48	14.37	4.24	14.37	4.24	0.00	0.00
		16.57	35.85	27.74	452.65	4.55	452.65	4.55	0.00	0.00

STATION SUMMARY

WMATA-CHO-P5-VAVE-6 CARS-STORAGE
ORANGE LINE MIDDAY OFF PEAK BALL-NEW CAR

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
				MILES	MIN	MPH	KWH	KWH/CM	KVA
BALLSTON TO VIRGINIA SQ	0.56	1.60	21.19	19.20	5.68	19.20	5.68	0.00	0.00
VIRGINIA SQ TO CLARENDON	0.47	1.26	22.33	18.75	6.68	18.75	6.68	0.00	0.00
CLARENDON TO COURTHOUSE	0.51	1.38	22.05	7.19	2.36	7.19	2.36	0.00	0.00
COURTHOUSE TO ROSSLYN	1.09	2.31	28.24	4.45	0.68	4.45	0.68	0.00	0.00
ROSSLYN TO FOGGY BOTTOM	1.37	2.31	35.45	29.24	3.57	29.24	3.57	0.00	0.00
FOGGY BOTTOM TO FARRGUT WEST	0.50	1.42	20.97	15.67	5.25	15.67	5.25	0.00	0.00
FARRGUT WEST TO MCPHERSON SQ	0.38	1.14	19.79	10.44	4.63	10.44	4.63	0.00	0.00
MCPHERSON SQ TO METRO CENTER	0.45	1.56	17.15	5.60	2.10	5.60	2.10	0.00	0.00
METRO CENTER TO FED TRIANGLE	0.31	1.27	14.63	9.91	5.33	9.91	5.33	0.00	0.00
FED TRIANGLE TO SMTHSONIAN	0.38	1.40	16.34	16.38	7.15	16.38	7.15	0.00	0.00
SMTHSONIAN TO L'ENFANT PLZ	0.50	1.36	22.11	12.31	4.09	12.31	4.09	0.00	0.00
L'ENFANT PLZ TO FED CENTR SW	0.33	1.21	16.48	9.55	4.79	9.55	4.79	0.00	0.00
FED CENTR SW TO CAPITOL SOUT	0.58	1.40	24.85	29.42	8.48	29.42	8.48	0.00	0.00
CAPITOL SOUT TO EASTN MARKET	0.51	1.40	21.96	17.16	5.59	17.16	5.59	0.00	0.00
EASTN MARKET TO POTOMAC AVE	0.62	1.50	24.98	20.10	5.38	20.10	5.38	0.00	0.00
POTOMAC AVE TO STADIUM ARM	0.71	1.74	24.50	18.59	4.36	18.59	4.36	0.00	0.00
STADIUM ARM TO MINNESOTA AV	2.09	3.46	36.25	60.73	4.85	60.73	4.85	0.00	0.00
MINNESOTA AV TO DEANWOOD	0.88	1.80	29.43	18.47	3.49	18.47	3.49	0.00	0.00
DEANWOOD TO CHEVERLY	1.10	1.84	35.71	37.37	5.67	37.37	5.67	0.00	0.00
CHEVERLY TO LANDOVER	1.83	2.52	43.61	52.55	4.78	52.55	4.78	0.00	0.00
LANDOVER TO NEW CARRLTON	1.41	2.17	39.09	23.98	2.83	23.98	2.83	0.00	0.00
	16.57	36.04	27.59	437.05	4.40	437.05	4.40	0.00	0.00
NEW CARRLTON TO LANDOVER	1.41	2.55	33.19	32.72	3.86	32.72	3.86	0.00	0.00
LANDOVER TO CHEVERLY	1.83	2.46	44.66	41.65	3.79	41.65	3.79	0.00	0.00
CHEVERLY TO DEANWOOD	1.10	1.99	33.02	19.21	2.92	19.21	2.92	0.00	0.00
DEANWOOD TO MINNESOTA AV	0.88	1.66	31.83	24.99	4.72	24.99	4.72	0.00	0.00
MINNESOTA AV TO STADIUM ARM	2.09	3.14	39.87	46.20	3.69	46.20	3.69	0.00	0.00
STADIUM ARM TO POTOMAC AVE	0.71	1.67	25.47	10.84	2.54	10.84	2.54	0.00	0.00
POTOMAC AVE TO EASTN MARKET	0.62	1.48	25.21	21.33	5.71	21.33	5.71	0.00	0.00
EASTN MARKET TO CAPITOL SOUT	0.51	1.40	21.97	9.34	3.04	9.34	3.04	0.00	0.00
CAPITOL SOUT TO FED CENTR SW	0.58	1.40	24.84	11.09	3.20	11.09	3.20	0.00	0.00
FED CENTR SW TO L'ENFANT PLZ	0.33	1.19	16.70	6.85	3.44	6.85	3.44	0.00	0.00
L'ENFANT PLZ TO SMTHSONIAN	0.50	1.44	20.82	21.84	7.27	21.84	7.27	0.00	0.00
SMTHSONIAN TO FED TRIANGLE	0.38	1.27	18.06	8.05	3.51	8.05	3.51	0.00	0.00
FED TRIANGLE TO METRO CENTER	0.31	1.42	13.08	10.17	5.47	10.17	5.47	0.00	0.00
METRO CENTER TO MCPHERSON SQ	0.45	1.36	19.67	20.97	7.85	20.97	7.85	0.00	0.00
MCPHERSON SQ TO FARRGUT WEST	0.38	1.26	17.84	16.48	7.32	16.48	7.32	0.00	0.00
FARRGUT WEST TO FOGGY BOTTOM	0.50	1.44	20.73	10.68	3.58	10.68	3.58	0.00	0.00
FOGGY BOTTOM TO ROSSLYN	1.37	2.48	33.12	26.64	3.25	26.64	3.25	0.00	0.00
ROSSLYN TO COURTHOUSE	1.09	2.16	30.18	60.22	9.22	60.22	9.22	0.00	0.00
COURTHOUSE TO CLARENDON	0.51	1.38	22.04	24.37	7.98	24.37	7.98	0.00	0.00
CLARENDON TO VIRGINIA SQ	0.47	1.34	20.94	11.44	4.07	11.44	4.07	0.00	0.00
VIRGINIA SQ TO BALLSTON	0.56	1.33	25.48	13.86	4.09	13.86	4.09	0.00	0.00
	16.57	35.84	27.74	448.96	4.52	448.96	4.52	0.00	0.00

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**REGENERATION USING WMATA CHOPPER -PL1 OPERATION
TPS STATION SUMMARIES**

STATION SUMMARY

WMATA-CHO-P5-VAVE-6 CARS
RED LINE AM PEAK OUTBND

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
	MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
DUPONT CIRCL TO FARRAGUT NOR	0.51	1.38	22.29	20.17	6.56	20.17	6.56	0.00	0.00
FARRAGUT NOR TO METRO CENTER	0.78	1.79	26.19	14.43	3.07	14.43	3.07	0.00	0.00
METRO CENTER TO GALLERY PL	0.29	1.04	16.47	9.15	5.35	9.15	5.35	0.00	0.00
GALLERY PL TO JUDICIARY SQ	0.37	1.15	19.46	10.89	4.88	10.89	4.88	0.00	0.00
JUDICIARY SQ TO UNION STATN	0.65	1.68	23.25	20.71	5.30	20.71	5.30	0.00	0.00
UNION STATN TO RHODE ISLND	1.76	2.71	39.09	60.53	5.72	60.53	5.72	0.00	0.00
RHODE ISLND TO BROOKLAND	0.86	1.62	32.00	23.96	4.63	23.96	4.63	0.00	0.00
BROOKLAND TO FORT TOTTEN	1.35	2.01	40.21	40.70	5.04	40.70	5.04	0.00	0.00
FORT TOTTEN TO TAKOMA	1.90	2.54	44.86	59.66	5.23	59.66	5.23	0.00	0.00
TAKOMA TO SILVER SPRNG	1.42	1.66	51.38	39.63	4.65	39.63	4.65	0.00	0.00
	9.89	17.57	33.79	299.83	5.05	299.83	5.05	0.00	0.00

STATION SUMMARY

WMATA-CHO-P5-VAVE-6 CARS
RED LINE AM PEAK INBND

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
	MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
SILVER SPRNG TO TAKOMA	1.42	2.15	39.53	31.02	3.65	31.02	3.65	0.00	0.00
TAKOMA TO FORT TOTTEN	1.90	2.44	46.70	22.31	1.96	22.31	1.96	0.00	0.00
FORT TOTTEN TO BROOKLAND	1.35	2.00	40.29	27.47	3.40	27.47	3.40	0.00	0.00
BROOKLAND TO RHODE ISLND	0.86	1.60	32.41	22.86	4.42	22.86	4.42	0.00	0.00
RHODE ISLND TO UNION STATN	1.76	2.47	42.76	23.04	2.18	23.04	2.18	0.00	0.00
UNION STATN TO JUDICIARY SQ	0.65	1.56	25.01	14.10	3.61	14.10	3.61	0.00	0.00
JUDICIARY SQ TO GALLERY PL	0.37	1.15	19.42	9.14	4.09	9.14	4.09	0.00	0.00
GALLERY PL TO METRO CENTER	0.29	1.22	13.99	10.92	6.39	10.92	6.39	0.00	0.00
METRO CENTER TO FARRAGUT NOR	0.78	1.72	27.35	22.40	4.77	22.40	4.77	0.00	0.00
FARRAGUT NOR TO DUPONT CIRCL	0.51	0.87	35.31	9.39	3.05	9.39	3.05	0.00	0.00
	9.89	17.19	34.53	192.66	3.25	192.66	3.25	0.00	0.00

STATION SUMMARY

WMATA-CHO-P5-VAVE-8 CARS
RED LINE AM PEAK OUTBND

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
	MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
DUPONT CIRCL TO FARRAGUT NOR	0.51	1.38	22.29	26.84	6.55	26.84	6.55	0.00	0.00
FARRAGUT NOR TO METRO CENTER	0.78	1.79	26.19	19.15	3.06	19.15	3.06	0.00	0.00
METRO CENTER TO GALLERY PL	0.29	1.04	16.47	12.17	5.34	12.17	5.34	0.00	0.00
GALLERY PL TO JUDICIARY SQ	0.37	1.15	19.46	14.46	4.86	14.46	4.86	0.00	0.00
JUDICIARY SQ TO UNION STATN	0.65	1.68	23.25	27.53	5.28	27.53	5.28	0.00	0.00
UNION STATN TO RHODE ISLND	1.76	2.71	39.10	80.10	5.68	80.10	5.68	0.00	0.00
RHODE ISLND TO BROOKLAND	0.86	1.62	32.00	31.24	4.53	31.24	4.53	0.00	0.00
BROOKLAND TO FORT TOTTEN	1.35	2.01	40.23	53.77	5.00	53.77	5.00	0.00	0.00
FORT TOTTEN TO TAKOMA	1.90	2.54	44.89	78.74	5.18	78.74	5.18	0.00	0.00
TAKOMA TO SILVER SPRNG	1.42	1.66	51.42	53.15	4.68	53.15	4.68	0.00	0.00
	9.89	17.57	33.80	397.15	5.02	397.15	5.02	0.00	0.00

STATION SUMMARY

WMATA-CHO-P5-VAVE-8 CARS
RED LINE AM PEAK INBND

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
	MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
SILVER SPRNG TO TAKOMA	1.42	2.15	39.54	36.13	3.18	36.13	3.18	0.00	0.00
TAKOMA TO FORT TOTTEN	1.90	2.44	46.71	29.25	1.92	29.25	1.92	0.00	0.00
FORT TOTTEN TO BROOKLAND	1.35	2.00	40.30	36.97	3.44	36.97	3.44	0.00	0.00
BROOKLAND TO RHODE ISLND	0.86	1.60	32.42	30.53	4.43	30.53	4.43	0.00	0.00
RHODE ISLND TO UNION STATN	1.76	2.47	42.76	29.50	2.09	29.50	2.09	0.00	0.00
UNION STATN TO JUDICIARY SQ	0.65	1.56	25.02	18.72	3.59	18.72	3.59	0.00	0.00
JUDICIARY SQ TO GALLERY PL	0.37	1.15	19.42	12.15	4.08	12.15	4.08	0.00	0.00
GALLERY PL TO METRO CENTER	0.29	1.22	13.99	14.54	6.38	14.54	6.38	0.00	0.00
METRO CENTER TO FARRAGUT NOR	0.78	1.72	27.35	29.71	4.74	29.71	4.74	0.00	0.00
FARRAGUT NOR TO DUPONT CIRCL	0.51	0.87	35.31	12.47	3.04	12.47	3.04	0.00	0.00
	9.89	17.19	34.53	249.97	3.16	249.97	3.16	0.00	0.00

STATION SUMMARY

WMATA-CHO-P5-VAVE-6 CARS
 BLUE LINE AM PEAK NAT AIR-DG JUNC

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
				MILES	MIN	MPH	KWH	KWH/CM	KVA
NAT AIRPORT TO CRYSTAL CITY	0.59	1.64	21.62	4.53	1.28	4.53	1.28	0.00	0.00
CRYSTAL CITY TO PENTAGON CITY	0.77	1.56	29.63	22.01	4.77	22.01	4.77	0.00	0.00
PENTAGON CITY TO PENTAGON	0.63	1.52	25.05	13.44	3.54	13.44	3.54	0.00	0.00
PENTAGON TO ARLINGTON CEM	1.31	2.05	38.20	42.80	5.46	42.80	5.46	0.00	0.00
ARLINGTON CEM TO ROSSLYN	0.94	1.94	28.97	16.42	2.92	16.42	2.92	0.00	0.00
ROSSLYN TO FOGGY BOTTOM	1.37	2.17	37.74	39.33	4.80	39.33	4.80	0.00	0.00
FOGGY BOTTOM TO FARRGUT WEST	0.50	1.41	21.17	17.11	5.73	17.11	5.73	0.00	0.00
FARRGUT WEST TO MCPHERSON SQ	0.38	1.07	20.96	9.07	4.03	9.07	4.03	0.00	0.00
MCPHERSON SQ TO METRO CENTER	0.45	1.49	17.87	7.02	2.63	7.02	2.63	0.00	0.00
METRO CENTER TO FED TRIANGLE	0.31	1.20	15.51	10.82	5.82	10.82	5.82	0.00	0.00
FED TRIANGLE TO SMTHSONIAN	0.38	1.39	16.51	15.53	6.78	15.53	6.78	0.00	0.00
SMTHSONIAN TO L'ENFANT PLZ	0.50	1.29	23.31	7.82	2.60	7.82	2.60	0.00	0.00
L'ENFANT PLZ TO FED CENTR SW	0.33	1.13	17.67	9.06	4.54	9.06	4.54	0.00	0.00
FED CENTR SW TO CAPITOL SOUT	0.58	1.34	25.80	21.96	6.33	21.96	6.33	0.00	0.00
CAPITOL SOUT TO EASTN MARKET	0.51	1.33	23.11	17.24	5.61	17.24	5.61	0.00	0.00
EASTN MARKET TO POTOMAC AVE	0.62	1.47	25.43	16.25	4.35	16.25	4.35	0.00	0.00
POTOMAC AVE TO STADIUM ARMR	0.71	1.56	27.31	18.64	4.38	18.64	4.38	0.00	0.00
STADIUM ARMR TO DG JUNCTION	1.38	1.77	46.77	40.50	4.89	40.50	4.89	0.00	0.00
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	12.25	27.34	26.89	329.58	4.48	329.58	4.48	0.00	0.00
DG JUNCTION TO STADIUM ARMR	1.38	2.09	39.69	27.45	3.32	27.45	3.32	0.00	0.00
STADIUM ARMR TO POTOMAC AVE	0.71	1.60	26.70	21.16	4.97	21.16	4.97	0.00	0.00
POTOMAC AVE TO EASTN MARKET	0.62	1.44	25.88	18.98	5.08	18.98	5.08	0.00	0.00
EASTN MARKET TO CAPITOL SOUT	0.51	1.33	23.15	8.51	2.77	8.51	2.77	0.00	0.00
CAPITOL SOUT TO FED CENTR SW	0.58	1.28	27.18	12.53	3.61	12.53	3.61	0.00	0.00
FED CENTR SW TO L'ENFANT PLZ	0.33	1.11	17.92	10.83	5.43	10.83	5.43	0.00	0.00
L'ENFANT PLZ TO SMTHSONIAN	0.50	1.37	21.87	18.32	6.10	18.32	6.10	0.00	0.00
SMTHSONIAN TO FED TRIANGLE	0.38	1.25	18.29	5.33	2.33	5.33	2.33	0.00	0.00
FED TRIANGLE TO METRO CENTER	0.31	1.35	13.73	13.51	7.27	13.51	7.27	0.00	0.00
METRO CENTER TO MCPHERSON SQ	0.45	1.30	20.61	18.52	6.94	18.52	6.94	0.00	0.00
MCPHERSON SQ TO FARRGUT WEST	0.38	1.20	18.85	14.88	6.60	14.88	6.60	0.00	0.00
FARRGUT WEST TO FOGGY BOTTOM	0.50	1.43	20.93	7.27	2.44	7.27	2.44	0.00	0.00
FOGGY BOTTOM TO ROSSLYN	1.37	2.25	36.44	26.77	3.26	26.77	3.26	0.00	0.00
ROSSLYN TO ARLINGTON CEM	0.94	1.88	30.00	32.26	5.73	32.26	5.73	0.00	0.00
ARLINGTON CEM TO PENTAGON	1.31	2.09	37.49	26.86	3.43	26.86	3.43	0.00	0.00
PENTAGON TO PENTAGON CITY	0.63	1.31	28.98	22.06	5.81	22.06	5.81	0.00	0.00
PENTAGON CITY TO CRYSTAL CITY	0.77	1.60	28.80	18.91	4.10	18.91	4.10	0.00	0.00
CRYSTAL CITY TO NAT AIRPORT	0.59	1.10	32.13	23.81	6.71	23.81	6.71	0.00	0.00
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	12.25	26.97	27.25	327.96	4.46	327.96	4.46	0.00	0.00

STATION SUMMARY

WMATA-CHO-P5-VAVE-6 CARS
ORANGE LINE AM PEAK BALL-NEW CARR

		DISTANCE	TIME	SPEED	ENERGY				FUEL	
		MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
BALLSTON	TO VIRGINIA SQ	0.56	1.26	26.73	13.91	4.12	13.91	4.12	0.00	0.00
VIRGINIA SQ	TO CLARENDON	0.47	1.15	24.47	16.05	5.72	16.05	5.72	0.00	0.00
CLARENDON	TO COURTHOUSE	0.51	1.25	24.51	6.92	2.27	6.92	2.27	0.00	0.00
COURTHOUSE	TO ROSSLYN	1.09	2.08	31.35	0.28	0.04	0.28	0.04	0.00	0.00
ROSSLYN	TO FOGGY BOTTOM	1.37	2.17	37.74	39.33	4.80	39.33	4.80	0.00	0.00
FOGGY BOTTOM	TO FARRGUT WEST	0.50	1.41	21.17	17.11	5.73	17.11	5.73	0.00	0.00
FARRGUT WEST	TO MCPHERSON SQ	0.38	1.07	20.96	9.07	4.03	9.07	4.03	0.00	0.00
MCPHERSON SQ	TO METRO CENTER	0.45	1.49	17.87	7.02	2.63	7.02	2.63	0.00	0.00
METRO CENTER	TO FED TRIANGLE	0.31	1.20	15.51	10.82	5.82	10.82	5.82	0.00	0.00
FED TRIANGLE	TO SMTHSONIAN	0.38	1.39	16.51	15.53	6.78	15.53	6.78	0.00	0.00
SMTHSONIAN	TO L'ENFANT PLZ	0.50	1.29	23.31	7.82	2.60	7.82	2.60	0.00	0.00
L'ENFANT PLZ	TO FED CENTR SW	0.33	1.13	17.67	9.06	4.54	9.06	4.54	0.00	0.00
FED CENTR SW	TO CAPITOL SOUT	0.58	1.34	25.80	21.96	6.33	21.96	6.33	0.00	0.00
CAPITOL SOUT	TO EASTN MARKET	0.51	1.33	23.11	17.24	5.61	17.24	5.61	0.00	0.00
EASTN MARKET	TO POTOMAC AVE	0.62	1.47	25.43	16.25	4.35	16.25	4.35	0.00	0.00
POTOMAC AVE	TO STADIUM ARMR	0.71	1.66	25.66	18.94	4.45	18.94	4.45	0.00	0.00
STADIUM ARMR	TO MINNESOTA AV	2.09	3.04	41.28	53.20	4.25	53.20	4.25	0.00	0.00
MINNESOTA AV	TO DEANWOOD	0.88	1.64	32.32	22.84	4.31	22.84	4.31	0.00	0.00
DEANWOOD	TO CHEVERLY	1.10	1.79	36.89	25.33	3.85	25.33	3.85	0.00	0.00
CHEVERLY	TO LANDOVER	1.83	2.38	46.12	51.00	4.64	51.00	4.64	0.00	0.00
LANDOVER	TO NEW CARRLTON	1.41	1.70	49.90	37.00	4.37	37.00	4.37	0.00	0.00
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		16.57	33.24	29.91	416.70	4.19	416.70	4.19	0.00	0.00
NEW CARRLTON	TO LANDOVER	1.41	2.08	40.78	30.72	3.63	30.72	3.63	0.00	0.00
LANDOVER	TO CHEVERLY	1.83	2.22	49.47	37.40	3.41	37.40	3.41	0.00	0.00
CHEVERLY	TO DEANWOOD	1.10	1.85	35.63	28.76	4.37	28.76	4.37	0.00	0.00
DEANWOOD	TO MINNESOTA AV	0.88	1.66	31.93	24.78	4.68	24.78	4.68	0.00	0.00
MINNESOTA AV	TO STADIUM ARMR	2.09	2.97	42.20	46.17	3.69	46.17	3.69	0.00	0.00
STADIUM ARMR	TO POTOMAC AVE	0.71	1.60	26.65	21.50	5.05	21.50	5.05	0.00	0.00
POTOMAC AVE	TO EASTN MARKET	0.62	1.44	25.88	18.98	5.08	18.98	5.08	0.00	0.00
EASTN MARKET	TO CAPITOL SOUT	0.51	1.33	23.15	8.51	2.77	8.51	2.77	0.00	0.00
CAPITOL SOUT	TO FED CENTR SW	0.58	1.28	27.18	12.53	3.61	12.53	3.61	0.00	0.00
FED CENTR SW	TO L'ENFANT PLZ	0.33	1.11	17.92	10.83	5.43	10.83	5.43	0.00	0.00
L'ENFANT PLZ	TO SMTHSONIAN	0.50	1.37	21.87	18.32	6.10	18.32	6.10	0.00	0.00
SMTHSONIAN	TO FED TRIANGLE	0.38	1.25	18.29	5.33	2.33	5.33	2.33	0.00	0.00
FED TRIANGLE	TO METRO CENTER	0.31	1.35	13.73	13.51	7.27	13.51	7.27	0.00	0.00
METRO CENTER	TO MCPHERSON SQ	0.45	1.30	20.61	18.52	6.94	18.52	6.94	0.00	0.00
MCPHERSON SQ	TO FARRGUT WEST	0.38	1.20	18.85	14.88	6.60	14.88	6.60	0.00	0.00
FARRGUT WEST	TO FOGGY BOTTOM	0.50	1.43	20.93	7.27	2.44	7.27	2.44	0.00	0.00
FOGGY BOTTOM	TO ROSSLYN	1.37	2.25	36.44	26.77	3.26	26.77	3.26	0.00	0.00
ROSSLYN	TO COURTHOUSE	1.09	2.05	31.89	54.35	8.32	54.35	8.32	0.00	0.00
COURTHOUSE	TO CLARENDON	0.51	1.26	24.15	21.33	6.99	21.33	6.99	0.00	0.00
CLARENDON	TO VIRGINIA SQ	0.47	1.23	22.82	10.80	3.84	10.80	3.84	0.00	0.00
VIRGINIA SQ	TO BALLSTON	0.56	1.00	33.88	16.53	4.88	16.53	4.88	0.00	0.00
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		16.57	33.22	29.93	447.79	4.50	447.79	4.50	0.00	0.00

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**REGENERATION USING HIGHLY REGENERATIVE CHOPPER - PL1 OPERATION
TPS STATION SUMMARIES**

STATION SUMMARY

WMATA-CHO-P5-VAVE-6 CARS-STORAGE
RED LINE AM PEAK OUTBND

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
	MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
DUPONT CIRCL TO FARRAGUT NOR	0.51	1.39	22.18	37.67	12.26	37.67	12.26	0.00	0.00
FARRAGUT NOR TO METRO CENTER	0.78	1.80	26.17	16.38	3.49	16.38	3.49	0.00	0.00
METRO CENTER TO GALLERY PL	0.29	1.04	16.46	7.06	4.13	7.06	4.13	0.00	0.00
GALLERY PL TO JUDICIARY SQ	0.37	1.15	19.45	15.07	6.75	15.07	6.75	0.00	0.00
JUDICIARY SQ TO UNION STATN	0.65	1.68	23.22	20.70	5.30	20.70	5.30	0.00	0.00
UNION STATN TO RHODE ISLND	1.76	2.72	38.93	67.81	6.41	67.81	6.41	0.00	0.00
RHODE ISLND TO BROOKLAND	0.86	1.63	31.81	35.85	6.93	35.85	6.93	0.00	0.00
BROOKLAND TO FORT TOTTEN	1.35	2.02	39.90	45.53	5.64	45.53	5.64	0.00	0.00
FORT TOTTEN TO TAKOMA	1.90	2.56	44.51	61.85	5.42	61.85	5.42	0.00	0.00
TAKOMA TO SILVER SPRNG	1.42	1.68	50.77	46.28	5.43	46.28	5.43	0.00	0.00
	9.89	17.66	33.62	354.20	5.97	354.20	5.97	0.00	0.00

STATION SUMMARY

WMATA-CHO-P5-VAVE-6 CARS-STORAGE
RED LINE AM PEAK INBND

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
	MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
SILVER SPRNG TO TAKOMA	1.42	2.17	39.28	53.56	6.29	53.56	6.29	0.00	0.00
TAKOMA TO FORT TOTTEN	1.90	2.45	46.52	24.85	2.18	24.85	2.18	0.00	0.00
FORT TOTTEN TO BROOKLAND	1.35	2.01	40.11	27.22	3.37	27.22	3.37	0.00	0.00
BROOKLAND TO RHODE ISLND	0.86	1.61	32.21	20.16	3.90	20.16	3.90	0.00	0.00
RHODE ISLND TO UNION STATN	1.76	2.48	42.67	26.48	2.50	26.48	2.50	0.00	0.00
UNION STATN TO JUDICIARY SQ	0.65	1.56	24.97	0.00	0.00	0.00	0.00	0.00	0.00
JUDICIARY SQ TO GALLERY PL	0.37	1.15	19.39	9.49	4.25	9.49	4.25	0.00	0.00
GALLERY PL TO METRO CENTER	0.29	1.22	13.97	12.05	7.04	12.05	7.04	0.00	0.00
METRO CENTER TO FARRAGUT NOR	0.78	1.72	27.29	28.95	6.16	28.95	6.16	0.00	0.00
FARRAGUT NOR TO DUPONT CIRCL	0.51	0.88	35.14	18.68	6.06	18.68	6.06	0.00	0.00
	9.89	17.25	34.40	221.43	3.73	221.43	3.73	0.00	0.00

STATION SUMMARY

WMATA-CHO-P5-VAVE-8 CARS-STORAGE
RED LINE AM PEAK OUTBND

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
	MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
DUPONT CIRCL TO FARRAGUT NOR	0.51	1.39	22.18	50.19	12.25	50.19	12.25	0.00	0.00
FARRAGUT NOR TO METRO CENTER	0.78	1.80	26.17	21.76	3.47	21.76	3.47	0.00	0.00
METRO CENTER TO GALLERY PL	0.29	1.04	16.46	9.37	4.11	9.37	4.11	0.00	0.00
GALLERY PL TO JUDICIARY SQ	0.37	1.15	19.45	20.04	6.73	20.04	6.73	0.00	0.00
JUDICIARY SQ TO UNION STATN	0.65	1.68	23.22	27.51	5.28	27.51	5.28	0.00	0.00
UNION STATN TO RHODE ISLND	1.76	2.72	38.94	89.67	6.36	89.67	6.36	0.00	0.00
RHODE ISLND TO BROOKLAND	0.86	1.63	31.82	47.70	6.91	47.70	6.91	0.00	0.00
BROOKLAND TO FORT TOTTEN	1.35	2.02	39.93	60.29	5.60	60.29	5.60	0.00	0.00
FORT TOTTEN TO TAKOMA	1.90	2.56	44.54	82.57	5.43	82.57	5.43	0.00	0.00
TAKOMA TO SILVER SPRNG	1.42	1.68	50.81	60.42	5.32	60.42	5.32	0.00	0.00
	9.89	17.65	33.63	469.51	5.93	469.51	5.93	0.00	0.00

STATION SUMMARY

WMATA-CHO-P5-VAVE-8 CARS-STORAGE
RED LINE AM PEAK INBND

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
	MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
SILVER SPRNG TO TAKOMA	1.42	2.17	39.30	71.17	6.27	71.17	6.27	0.00	0.00
TAKOMA TO FORT TOTTEN	1.90	2.45	46.52	32.46	2.13	32.46	2.13	0.00	0.00
FORT TOTTEN TO BROOKLAND	1.35	2.01	40.12	36.05	3.35	36.05	3.35	0.00	0.00
BROOKLAND TO RHODE ISLND	0.86	1.61	32.22	29.21	4.23	29.21	4.23	0.00	0.00
RHODE ISLND TO UNION STATN	1.76	2.48	42.68	35.76	2.53	35.76	2.53	0.00	0.00
UNION STATN TO JUDICIARY SQ	0.65	1.56	24.98	0.00	0.00	0.00	0.00	0.00	0.00
JUDICIARY SQ TO GALLERY PL	0.37	1.15	19.39	11.95	4.01	11.95	4.01	0.00	0.00
GALLERY PL TO METRO CENTER	0.29	1.22	13.97	16.03	7.03	16.03	7.03	0.00	0.00
METRO CENTER TO FARRAGUT NOR	0.78	1.72	27.29	38.44	6.14	38.44	6.14	0.00	0.00
FARRAGUT NOR TO DUPONT CIRCL	0.51	0.88	35.14	24.22	5.90	24.22	5.90	0.00	0.00
	9.89	17.25	34.41	295.30	3.73	295.30	3.73	0.00	0.00

STATION SUMMARY

WMATA-CHO-P5-VAVE-6 CARS-STORAGE
 BLUE LINE AM PEAK NAT AIR-DG JUNC

	DISTANCE	TIME	SPEED	ENERGY				FUEL	
				MILES	MIN	MPH	KWH	KWH/CM	KVA
NAT AIRPORT TO CRYSTAL CITY	0.59	1.64	21.62	14.43	4.08	14.43	4.08	0.00	0.00
CRYSTAL CITY TO PENTGON CITY	0.77	1.56	29.54	24.54	5.32	24.54	5.32	0.00	0.00
PENTGON CITY TO PENTAGON	0.63	1.52	24.98	22.35	5.89	22.35	5.89	0.00	0.00
PENTAGON TO ARLNGTON CEM	1.31	2.07	37.90	52.03	6.64	52.03	6.64	0.00	0.00
ARLNGTON CEM TO ROSSLYN	0.94	1.95	28.87	13.37	2.37	13.37	2.37	0.00	0.00
ROSSLYN TO FOGGY BOTTOM	1.37	2.19	37.45	38.06	4.64	38.06	4.64	0.00	0.00
FOGGY BOTTOM TO FARRGUT WEST	0.50	1.41	21.17	10.73	3.60	10.73	3.60	0.00	0.00
FARRGUT WEST TO MCPHERSON SQ	0.38	1.08	20.91	18.56	8.24	18.56	8.24	0.00	0.00
MCPHERSON SQ TO METRO CENTER	0.45	1.49	17.86	0.00	0.00	0.00	0.00	0.00	0.00
METRO CENTER TO FED TRIANGLE	0.31	1.20	15.49	15.84	8.52	15.84	8.52	0.00	0.00
FED TRIANGLE TO SMTHSONIAN	0.38	1.39	16.51	13.07	5.70	13.07	5.70	0.00	0.00
SMTHSONIAN TO L'ENFANT PLZ	0.50	1.29	23.30	13.19	4.39	13.19	4.39	0.00	0.00
L'ENFANT PLZ TO FED CENTR SW	0.33	1.13	17.66	11.14	5.59	11.14	5.59	0.00	0.00
FED CENTR SW TO CAPITOL SOUT	0.58	1.35	25.65	31.26	9.01	31.26	9.01	0.00	0.00
CAPITOL SOUT TO EASTN MARKET	0.51	1.33	23.08	14.88	4.85	14.88	4.85	0.00	0.00
EASTN MARKET TO POTOMAC AVE	0.62	1.47	25.36	21.38	5.72	21.38	5.72	0.00	0.00
POTOMAC AVE TO STADIUM ARM	0.71	1.56	27.26	16.01	3.76	16.01	3.76	0.00	0.00
STADIUM ARM TO DG JUNCTION	1.38	1.78	46.57	54.47	6.57	54.47	6.57	0.00	0.00

	12.25	27.42	26.81	385.32	5.24	385.32	5.24	0.00	0.00

DG JUNCTION TO STADIUM ARM	1.38	2.09	39.59	45.17	5.45	45.17	5.45	0.00	0.00
STADIUM ARM TO POTOMAC AVE	0.71	1.60	26.65	13.98	3.28	13.98	3.28	0.00	0.00
POTOMAC AVE TO EASTN MARKET	0.62	1.45	25.81	24.56	6.57	24.56	6.57	0.00	0.00
EASTN MARKET TO CAPITOL SOUT	0.51	1.33	23.12	8.63	2.81	8.63	2.81	0.00	0.00
CAPITOL SOUT TO FED CENTR SW	0.58	1.28	27.06	22.96	6.62	22.96	6.62	0.00	0.00
FED CENTR SW TO L'ENFANT PLZ	0.33	1.11	17.91	0.00	0.00	0.00	0.00	0.00	0.00
L'ENFANT PLZ TO SMTHSONIAN	0.50	1.37	21.86	20.89	6.95	20.89	6.95	0.00	0.00
SMTHSONIAN TO FED TRIANGLE	0.38	1.25	18.28	5.06	2.21	5.06	2.21	0.00	0.00
FED TRIANGLE TO METRO CENTER	0.31	1.35	13.76	19.09	10.27	19.09	10.27	0.00	0.00
METRO CENTER TO MCPHERSON SQ	0.45	1.30	20.61	16.09	6.02	16.09	6.02	0.00	0.00
MCPHERSON SQ TO FARRGUT WEST	0.38	1.20	18.79	24.94	11.07	24.94	11.07	0.00	0.00
FARRGUT WEST TO FOGGY BOTTOM	0.50	1.43	20.93	4.00	1.34	4.00	1.34	0.00	0.00
FOGGY BOTTOM TO ROSSLYN	1.37	2.25	36.43	31.68	3.86	31.68	3.86	0.00	0.00
ROSSLYN TO ARLNGTON CEM	0.94	1.88	29.89	40.54	7.20	40.54	7.20	0.00	0.00
ARLNGTON CEM TO PENTAGON	1.31	2.10	37.30	34.15	4.36	34.15	4.36	0.00	0.00
PENTAGON TO PENTGON CITY	0.63	1.32	28.87	15.15	3.99	15.15	3.99	0.00	0.00
PENTGON CITY TO CRYSTAL CITY	0.77	1.60	28.80	23.04	4.99	23.04	4.99	0.00	0.00
CRYSTAL CITY TO NAT AIRPORT	0.59	1.10	32.12	18.72	5.28	18.72	5.28	0.00	0.00

	12.25	27.02	27.20	368.65	5.02	368.65	5.02	0.00	0.00

STATION SUMMARY

WMATA-CHO-P5-VAVE-6 CARS-STORAGE
ORANGE LINE AM PEAK BALL-NEW CARR

		DISTANCE	TIME	SPEED	ENERGY				FUEL	
		MILES	MIN	MPH	KWH	KWH/CM	KVA	KVA/CM	GAL	GAL/CM
BALLSTON	TO VIRGINIA SQ	0.56	1.27	26.66	27.04	8.00	27.04	8.00	0.00	0.00
VIRGINIA SQ	TO CLARENDON	0.47	1.15	24.38	23.97	8.54	23.97	8.54	0.00	0.00
CLARENDON	TO COURTHOUSE	0.51	1.25	24.51	9.29	3.04	9.29	3.04	0.00	0.00
COURTHOUSE	TO ROSSLYN	1.09	2.09	31.28	14.34	2.20	14.34	2.20	0.00	0.00
ROSSLYN	TO FOGGY BOTTOM	1.37	2.19	37.45	24.51	2.99	24.51	2.99	0.00	0.00
FOGGY BOTTOM	TO FARRGUT WEST	0.50	1.41	21.17	10.73	3.60	10.73	3.60	0.00	0.00
FARRGUT WEST	TO MCPHERSON SQ	0.38	1.08	20.91	18.56	8.24	18.56	8.24	0.00	0.00
MCPHERSON SQ	TO METRO CENTER	0.45	1.49	17.86	0.00	0.00	0.00	0.00	0.00	0.00
METRO CENTER	TO FED TRIANGLE	0.31	1.20	15.49	15.84	8.52	15.84	8.52	0.00	0.00
FED TRIANGLE	TO SMTHSONIAN	0.38	1.39	16.51	13.07	5.70	13.07	5.70	0.00	0.00
SMTHSONIAN	TO L'ENFANT PLZ	0.50	1.29	23.30	13.19	4.39	13.19	4.39	0.00	0.00
L'ENFANT PLZ	TO FED CENTR SW	0.33	1.13	17.66	11.14	5.59	11.14	5.59	0.00	0.00
FED CENTR SW	TO CAPITOL SOUT	0.58	1.35	25.65	31.26	9.01	31.26	9.01	0.00	0.00
CAPITOL SOUT	TO EASTN MARKET	0.51	1.33	23.08	14.88	4.85	14.88	4.85	0.00	0.00
EASTN MARKET	TO POTOMAC AVE	0.62	1.47	25.36	21.38	5.72	21.38	5.72	0.00	0.00
POTOMAC AVE	TO STADIUM ARMR	0.71	1.66	25.62	16.01	3.76	16.01	3.76	0.00	0.00
STADIUM ARMR	TO MINNESOTA AV	2.09	3.05	41.13	64.57	5.15	64.57	5.15	0.00	0.00
MINNESOTA AV	TO DEANWOOD	0.88	1.65	32.13	26.38	4.98	26.38	4.98	0.00	0.00
DEANWOOD	TO CHEVERLY	1.10	1.79	36.74	28.12	4.27	28.12	4.27	0.00	0.00
CHEVERLY	TO LANDOVER	1.83	2.40	45.80	60.79	5.54	60.79	5.54	0.00	0.00
LANDOVER	TO NEW CARRLTON	1.41	1.71	49.46	31.48	3.71	31.48	3.71	0.00	0.00
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		16.57	33.35	29.81	476.57	4.79	476.57	4.79	0.00	0.00
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NEW CARRLTON	TO LANDOVER	1.41	2.08	40.70	52.08	6.15	52.08	6.15	0.00	0.00
LANDOVER	TO CHEVERLY	1.83	2.23	49.23	41.83	3.81	41.83	3.81	0.00	0.00
CHEVERLY	TO DEANWOOD	1.10	1.85	35.51	27.13	4.12	27.13	4.12	0.00	0.00
DEANWOOD	TO MINNESOTA AV	0.88	1.67	31.79	25.18	4.75	25.18	4.75	0.00	0.00
MINNESOTA AV	TO STADIUM ARMR	2.09	2.98	42.06	47.71	3.81	47.71	3.81	0.00	0.00
STADIUM ARMR	TO POTOMAC AVE	0.71	1.60	26.59	14.00	3.28	14.00	3.28	0.00	0.00
POTOMAC AVE	TO EASTN MARKET	0.62	1.45	25.81	23.53	6.30	23.53	6.30	0.00	0.00
EASTN MARKET	TO CAPITOL SOUT	0.51	1.33	23.12	8.63	2.81	8.63	2.81	0.00	0.00
CAPITOL SOUT	TO FED CENTR SW	0.58	1.28	27.06	22.96	6.62	22.96	6.62	0.00	0.00
FED CENTR SW	TO L'ENFANT PLZ	0.33	1.11	17.91	0.00	0.00	0.00	0.00	0.00	0.00
L'ENFANT PLZ	TO SMTHSONIAN	0.50	1.37	21.86	20.89	6.95	20.89	6.95	0.00	0.00
SMTHSONIAN	TO FED TRIANGLE	0.38	1.25	18.28	5.06	2.21	5.06	2.21	0.00	0.00
FED TRIANGLE	TO METRO CENTER	0.31	1.35	13.76	19.09	10.27	19.09	10.27	0.00	0.00
METRO CENTER	TO MCPHERSON SQ	0.45	1.30	20.61	16.09	6.02	16.09	6.02	0.00	0.00
MCPHERSON SQ	TO FARRGUT WEST	0.38	1.20	18.79	24.94	11.07	24.94	11.07	0.00	0.00
FARRGUT WEST	TO FOGGY BOTTOM	0.50	1.43	20.93	4.00	1.34	4.00	1.34	0.00	0.00
FOGGY BOTTOM	TO ROSSLYN	1.37	2.25	36.43	31.68	3.86	31.68	3.86	0.00	0.00
ROSSLYN	TO COURTHOUSE	1.09	2.06	31.66	60.36	9.24	60.36	9.24	0.00	0.00
COURTHOUSE	TO CLARENDON	0.51	1.27	24.10	25.86	8.47	25.86	8.47	0.00	0.00
CLARENDON	TO VIRGINIA SQ	0.47	1.23	22.77	16.26	5.79	16.26	5.79	0.00	0.00
VIRGINIA SQ	TO BALLSTON	0.56	1.00	33.77	19.23	5.68	19.23	5.68	0.00	0.00
		-----	-----	-----	-----	-----	-----	-----	-----	-----
		16.57	33.30	29.86	506.51	5.09	506.51	5.09	0.00	0.00

9.8. DEVELOPMENT OF ESCALATOR FORMULA

All of the escalators used in Metrorail passenger stations are manufactured by Westinghouse Electric Corporation under the registered trademark name of Moduline 100.

Data were obtained from Westinghouse Elevator Division¹⁵ on tests which were conducted on the power consumption of these escalators. These tests were conducted on an escalator which has a height rise of 17 ft, a speed of 90 ft/min and a width of 32 inches. The results are shown in Figure 9.8-1.

For loads which would be experienced by most of the escalators during most of the Metrorail operations, the power density of the modular escalators is linearly related to the people density,

$$PD = 0.59pd + 0.11$$

where PD is the Power Density in KW/ft of rise, pd is the people density in persons/ft of rise.

With the assumption of linearity, it can be shown that the power developed by all of the escalators is:

$$P = 0.11R_T + [(F_+ - |F_-|)R] / 4580$$

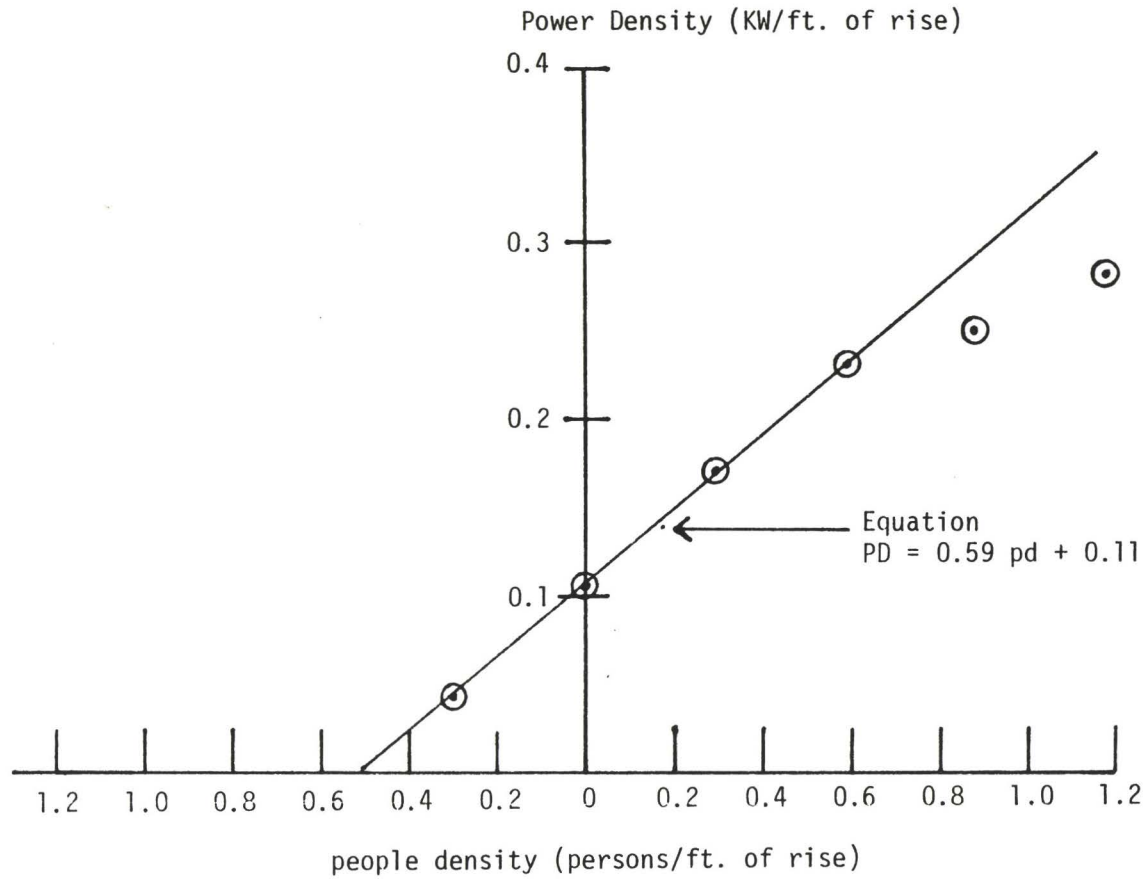
where $F_{+(-)}$ is the people flow rate on up (down) escalators, R_T is the sum over all of the escalator rises and R is the average escalator rise (assumed escalator speed is 90ft/min).

If we assume that as many people enter a station as leave it over certain operating periods (AM and PM Peak, Midday, Evening, etc.) then the second term in the above expression is zero and the average power is:

$$P = 0.11R_T$$

This resulting formula was used in all of the escalator power estimates.

¹⁵Hank Baltrek, Westinghouse Electric Corporation, Elevator Division, Short Hills, N.J.



Voltage = 3 \emptyset , 490 volts

	RAW DATA					RAW DATA				
	UP					DOWN				
People	0	5	10	15	20	0	5	10	15	20
Amps	7.5	7.5	7.5	7.6	8	7.5	7.7	8.5	8.5	9
PF	0.30	0.10	0	0	0	0.3	0.43	0.54	0.60	0.62
Power (KW)	2.61	1.90	0	0	0	1.91	2.81	3.90	4.33	4.74

$$KW = \frac{V \cdot A \cdot PF}{577}$$

FIGURE 9.8-1 POWER DENSITY FOR (W) MODULINE^R ESCALATORS AS A FUNCTION OF LOAD (PEOPLE DENSITY)

9.9. ESCALATORS - PHASE I CONSTRUCTION

ESCALATORS - PHASE I CONSTRUCTION

TABULAR SUMMARY

STATION NAME	SURFACE TO MEZZ.		MEZZ. TO PLATFORM	
	CLASS NO.	RISE	CLASS NO.	RISE
RHODE ISLAND AVE. (B-4)			A 3	21'-2"
UNION STATION - VISITOR CENTER (B-3)	A 2	16'-6"	A 2	15'-2"
	B 3	20'-7"	A 3	11'-3"
JUDICIARY SQUARE (B-1)	B 2	24'-1"	A 8	10'-5"
	B 2	27'-8"		
GALLERY PLACE (B-1)	B 2	27'-11"	A 4	10'-9"
METRO CENTER (A-1)	B 3	31'-11"	A 8	11'-3"
	B 3	27'-5"	A 6	17'-0"
	B 2	39'-7"		
	B 3	42'-2"		
FARRAGUT NORTH (A-3)	B 3	24'-10"	A 3	11'-3"
	A 3	14'-2"	A 4	12'-2"
	A 3	10'-6"		
	B 3	25'-6"		
DUPONT CIRCLE (A-4)	C 3	94'-5"	A 4	10'-8"
	C 2	85'-3"	A 4	11'-0"

TABULAR SUMMARY

STATION NAME	SURFACE TO MEZZ.		MEZZ. TO PLATFORM	
	CLASS NO.	RISE	CLASS NO.	RISE
NATIONAL AIRPORT (C8c)			A 4	21'-0"
CRYSTAL CITY (C8a)	A 3	21'-1"	A 2	10'-11"
	A 3	21'-0"	A 4	10'-9"
PENTAGON CITY (C7)	B 2	26'-2"	A 2	10'-10"
	B 2	26'-0"	A 4	10'-10"
PENTAGON (C6b)	B 3	58'-6"	A 2	14'-11"
	B 3	41'-7"	A 2	15'-3"
	B 3	40'-3"		
ARLINGTON CEMETERY (C6e)	B 4	36'-3"	A 4	18'-7"
ROSSYLN (C5)	A 2	17'-0"	A 2	14'-10"
	C 4	97'-4"	A 2	15'-2"
FOGGY BOTTOM - GWU (C-3)	B 3	32'-6"	A 3	12'-4"
FARRAGUT WEST (C-2)	B 3	27'-1"	A 8	10'-8"
	A 3	20'-11"		

ESCALATORS - PHASE II CONSTRUCTION

CONTINUED

TABULAR SUMMARY

STATION NAME	SURFACE TO MEZZ.			MEZZ. TO PLATFORM		
	CLASS	NO.	RISE	CLASS	NO.	RISE
MCPHERSON SQUARE (C-1)	B	3	29'-11"	A	8	11'-0"
	B	3	29'-3"			
FEDERAL TRIANGLE (D-1)	A	3	13'-8"	A	1	12'-0"
	A	3	9'-8"	A	2	12'-1"
SMITHSONIAN (D-2)	A	3	24'-0"	A	8	11'-0"
	B	3	25'-6"			
L'ENFANT PLAZA (D-3)	B	3	30'-6"	A	6	11'-4"
	B	3	48'-2"	A	4	11'-2"
	B	3	55'-8"	A	6	17'-2"
				A	6	16'-10"
FEDERAL CTR SW (D-4b)	B	3	42'-5"	A	2	12'-4"
CAPITOL SOUTH (D-4c)	B	3	47'-1"	A	2	12'-3"
EASTERN MARKET (D-6)	B	3	38'-4"	A	2	12'-2"

CONTINUED

TABULAR SUMMARY

STATION	SURFACE TO MEZZ.			MEZZ. TO PLATFORM		
NAME	CLASS NO. RISE			CLASS NO. RISE		
POTOMAC AVENUE	B	3	40'-1.1"	A	3	11'-0"
(D-7)						
STADIUM ARMORY	B	3	40'-4"	A	3	12'-2"
(D-8)	B	2	48'-9"	A	2	12'-1"

ESCALATORS - PHASE IIA CONSTRUCTION

TABULAR SUMMARY

STATION NAME	SURFACE TO MEZZ. CLASS NO. RISE	MEZZ. TO PLATFORM CLASS NO. RISE
BROOKLAND - CUA (B-6)	A 1 23'-8" A 1 22'-4"	A 2 21'-7"
FORT TOTTEN (B-6)		A 2 22'-5" A 2 19'-11"
TAKOMA (B-6)		B 3 25'-2"
SILVER SPRING (B-6)		A 2 23'-5" A 1 23'-1" A 2 22'-11"

escalators - phase III construction

ESCALATORS - PHASE II CONSTRUCTION

TABULAR SUMMARY

STATION	SURFACE TO MEZZ.			MEZZ. TO PLATFORM		
NAME	CLASS	NO.	RISE	CLASS	NO.	RISE
MINNESOTA AVE. (D-12)	A	2	21'-3"	A	2	21'-6"
DEANWOOD (D-12)	A	2	11'-9"	A	2	21'-8"
CHEVERLY (D-13)	A	2	19'-7"	A	4	19'-7"
LANDOVER (D-13)				A	2	21'-3"
NEW CARROLLTON (D-14)	A	1	24'-0"	A	2	23'-6"

ESCALATORS - PHASE IV CONSTRUCTION

TABULAR SUMMARY

STATION NAME	SURFACE TO MEZZ.			MEZZ. TO PLATFORM		
	CLASS NO.	RISE		CLASS NO.	RISE	
COURT HOUSE (K-1)	A	3	17'-5"	A	2	12'-8"
	B	3	47'-2"			
CLARENDON (K-2)	A	2	20'-0"	A	4	11'-3"
	A	2	14'-6"			
VIRGINIA SQUARE (K-3)	B	3	33'-2"	A	4	11'-0"
BALLSTON (K-4)	A	3	18'-0"	A	6	10'-11"
	A	3	16'-0"			

TABULAR SUMMARY

STATION	SURFACE TO MEZZ.			MEZZ. TO PLATFORM		
NAME	CLASS NO.	RISE	CLASS NO.	RISE		
BENNING RD. (G-1)	B	3	35'-4"	A	2	13'-11"
CAPITOL HEIGHTS (G-2)	B	3	31'-1"	A	2	12'-2"
ADDISON ROAD (G-3)				A	2	15'-5"

TABULAR SUMMARY

STATION NAME	SURFACE TO MEZZ.		MEZZ. TO PLATFORM	
	CLASS NO.	RISE	CLASS NO.	RISE
WOODLEY PARK-ZOO (A-6a)	B 3	25'-11"	A 2	11'-4"
	C 3	102'-0"		
CLEVELAND PARK (A-6b)	A 1	19'-0"	A 1	11'-7"
	A 1	20'-0"		
	B 3	59'-0"		
VAN NESS - UDC (A-6c)	A 2	20'-0"	A 2	11'-4"
	A 1	20'-0"		
	B 3	56'-9"		

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