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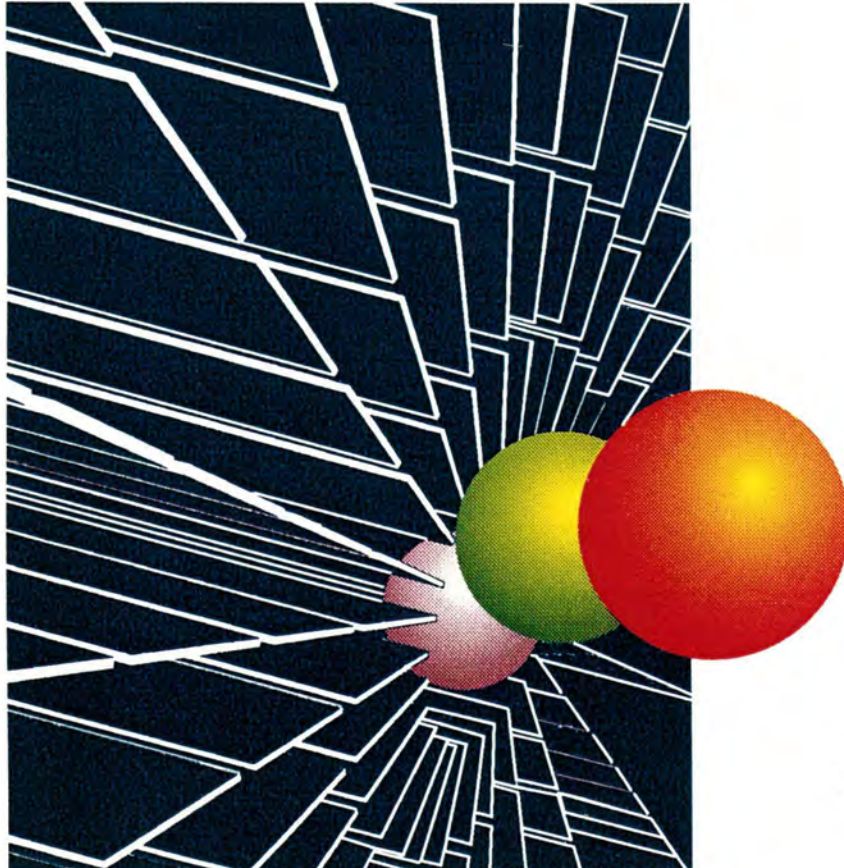


Research, Development and Technology Division

RDT 98-003

Joint Load Transfer and Slab Loss of Support Analysis

Final Report



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1. Report No. RDT 98-003	2. Government Accession No.	3. Recipient's Catalog No.	
4. Title and Subtitle Joint Load Transfer and Slab Loss of Support Analysis		5. Report Date August, 1998	6. Performing Organization Code MoDOT
7. Author(s) Missouri Department of Transportation		8. Performing Organization Report No. RDT 98-003 RI 95-02	
9. Performing Organization Name and Address Missouri Department of Transportation Research, Development and Technology Div. P. O. Box 270 Jefferson City, Missouri 65102		10. Work Unit No.	11. Contract or Grant No.
12. Sponsoring Agency Name and Address Missouri Department of Transportation Research, Development and Technology Div. P. O. Box 270 Jefferson City, Missouri 65102		13. Type of Report and Period Covered Final Report	
15. Supplementary Notes The investigation was conducted in cooperation with the U. S. Department of Transportation, Federal Highway Administration.		14. Sponsoring Agency Code MoDOT	
16. Abstract Two portland cement concrete (PCC) pavement designs are compared and analyzed for differences in their joint load transfer efficiency and slab support. The Falling Weight Deflectometer (FWD) was used to gather deflection data for both pavements. The center deflections, corner deflections and load transfer efficiency are compared. The NCHRP Project 1-21 Procedure for Void Size Estimation is also followed to estimate loss of support for both pavements.			
17. Key Words Falling Weight Deflectometer (FWD), Non-Destruction Testing (NDT), Portland Cement Concrete Pavement (PCCP), Joint Load Efficiency, Void Detection		18. Distribution Statement No restrictions. This document is available to the public through National Technical Information Center, Springfield, Virginia 22161	
19. Security Classif. (of this report) Unclassified	20. Security Classif. (of this page) Unclassified	21. No. of Pages 22. Price 39 w/o Appendix	

RESEARCH INVESTIGATION 95-02

JOINT LOAD TRANSFER AND SLAB LOSS OF SUPPORT ANALYSIS

FINAL REPORT

PREPARED BY

MISSOURI DEPARTMENT OF TRANSPORTATION
RESEARCH, DEVELOPMENT AND TECHNOLOGY DIVISION

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DATE SUBMITTED: AUGUST, 1998

EXECUTIVE SUMMARY

MoDOT has recently changed their PCC pavement design. This study was initiated to analyze the difference between the joint load transfer and slab support of each design. Four recently constructed pavements were chosen. The major differences between the sections are shown in Table ES1.

Table ES1 Differences in Pavement Design

<u>Characteristic</u>	<u>Rte 54 - Audrain Job # J3P0104B</u>	<u>Rte 54 - Callaway Job # J5P0411C</u>	<u>Rte 63-Callaway Job # J5P0721</u>	<u>Fulton Bypass Job # J5P0409</u>
Pavement Thickness	10 inch	12 inch	12 inch	12 inch
Joint Spacing	61.5'	15'	15'	15'
Shoulders	Not Tied	Tied	Tied	Tied
Base	4" Type 3	4" Type 3	2' Rock Fill	4" Type 3
Loading Repetitions (ESAL) As of Test Date	477,000	399,000	114,812	511,370

The center deflection values, deflection basin areas, and corner deflection values were plotted for all pavements. The plots show that the pavements are in good structural condition. The NCHRP Void Size Estimation Procedure was used to find slab loss of support. According to the plots, none of the pavements exhibited any sign of voids.

The joint load transfer efficiency was plotted vs. log mile for each project. The Route 54, Callaway County, values were irregular, with nearly 20% being below the limit for good load transfer, as shown in **Figure 15**. The other pavements' values were more constant and higher on the average. **Figures 16 through 18** show most of the load transfer values above 70% with the majority exceeding 90%. This data suggests that the 15' joint spacing is not at fault for the poor load transfer values, and supports the opinion that the saturated subgrade/base, as described in the CONCLUSION, could be the cause for the poor values on Route 54, Callaway County.

Additional research into the effects of subgrade moisture and/or drainable bases is recommended.

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LIST OF ABBREVIATIONS

AASHTO	=	American Association of State Highway and Transportation Officials
Area	=	Area of the FWD Deflection Basin
B	=	Slab Bending Correction Factor
d_0	=	Deflection immediately below the load cell
d_0^*	=	Standardized Corner Deflection
d_{12}	=	Deflection at a radial distance of 12 inches
d_{24}	=	Deflection at a radial distance of 24 inches
d_{36}	=	Deflection at a radial distance of 36 inches
d_i	=	Deflection Reading at the FWD Applied Load
$d_{i_{norm}}$	=	Deflection Normalized to 9000 pounds
d_{ie}	=	Joint Load Transfer Efficiency (Also referred to as LT)
d_l	=	Deflection of the Loaded Slab
d_u	=	Deflection of the Unloaded Slab
E	=	Modulus of Elasticity
E_{corr}	=	Modulus Correction Value
FWD	=	Falling Weight Deflectometer
LT	=	Load Transfer (Joint Load Transfer Efficiency)
LT_{adi}	=	Adjusted Load Transfer
MHTD	=	Missouri Highway and Transportation Department
NCHRP	=	National Cooperative Highway Research Program
NDT	=	Nondestructive Testing
PCC	=	Portland Cement Concrete
PCCP	=	Portland Cement Concrete Pavement

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Table 1: Summary of Project Design Characteristics

ABSTRACT

Two portland cement concrete (PCC) pavement designs are compared and analyzed for differences in their joint load transfer efficiency and slab support. The Falling Weight Deflectometer (FWD) was used to gather deflection data for both pavements. The center deflections, corner deflections and load transfer efficiency are compared. The NCHRP Project 1-21 Procedure for Void Size Estimation is also followed to estimate loss of support for both pavements.

OBJECTIVE

The objective of this study is to use the Falling Weight Deflectometer (FWD) to analyze two different pavement designs. The FWD data is used to compare the joint load transfer efficiency and slab support of both pavement types. This comparison will provide us with a better understanding of the effect joint spacing, tied shoulders, and an increased pavement thickness have on joint load transfer and slab support. Analyzing these pavement designs may help us to more efficiently design our Portland Cement Concrete pavements (PCCP).

INTRODUCTION

This study was conducted to analyze joint load transfer and slab loss of support of Portland Cement Concrete pavement (PCCP). The 15 foot joint spacing and tied shoulders of the newly adopted PCC pavement design were compared to the 61.5 foot joint spacing and non-tied shoulders of the old PCC pavement design.

Missouri Department of Transportation's (MoDOT's) old pavement design consisted of 8 to 12 inches of reinforced or non-reinforced PCCP without tied shoulders. The joints were sawed and sealed at 30 ft spacing for non-reinforced, or 61.5 ft spacing for reinforced PCC pavement. $1\frac{1}{4}$ to $1\frac{1}{2}$ inch by 18 inch epoxy coated dowel bars were used for joint load transfer. This pavement design is represented by Job # J3P0104B on Route 54 in Audrain County.

MoDOT's new pavement design has 12 inch thick non-reinforced jointed PCC pavement with tied shoulders. The joints are sawed and sealed at 15 ft spacing with $1\frac{1}{2}$ inch by 18 inch dowel bars for joint load transfer. This pavement design is represented by Job # J5P0411C on Route 54 in Callaway County, Job # J5P0721 on Route 63 in Callaway County, and Job # J5P0409 on Route 54 in Callaway County which will be referred to as the Fulton Bypass.

The Falling Weight Deflectometer (FWD), a nondestructive testing (NDT) device, was employed to gather pavement performance data. The data was collected and analyzed in accordance with AASHTO Joint Load Transfer Analysis, Section 3.5.4 pages III-38 to III-41, Section 3.5.5 page III-45 Void Size Estimation Procedure, and NCHRP Project 1-21 Appendix C.

INVESTIGATION PROCEDURE

Project Information

As discussed in the Introduction, two pavement designs were tested and analyzed. Four pavement sections were analyzed. Three of these pavement sections were selected based on their similarities in base type, loading repetitions, and age. An additional pavement, Route 63, Callaway County was selected to represent the new pavement design with 2' rock fill base. The major difference between the old and new designs is the space between contraction joints or the length of their concrete slabs. The design characteristics are described in Table 1.

Table 1. Summary of Project Design Characteristics

<u>Design Characteristic</u>	Route 54 - Audrain Co. Job # <u>J3P0104B</u>	Route 54 - Callaway Co. Job # <u>J5P0411C</u>	Route 63 - Callaway Co. Job # <u>J5P0721</u>	Route 54 - Callaway Co. Job # <u>J5P0409</u>
Pavement Thickness	10 inch	12 inch	12 inch	12 inch
Pavement Type	Reinforced PCCP	Non-Reinforced PCCP	Non-Reinforced PCCP	Non-Reinforced PCCP
Base Type	4" Type 3 Aggregate	4" Type 3 Aggregate	2' Rock Fill	4" Type 3 Aggregate
Joint Spacing	61.5'	15'	15'	15'
Shoulders	Not Tied	Tied	Tied	Tied
Date Open to Traffic	Oct. 10, 1994	Dec. 10, 1993	Nov. 23, 1994	Oct. 19, 1994
Date of FWD Testing	March 12, 1996	March 10, 1995	March 15, 1995	June 11, 1996
Time open as of Testing	518 Days	455 Days	112 Days	601 Days
Daily ESAL Units (Rigid)	950 (1996)	900 (1995)	1000 (1995)	800 (1993)
Compound Growth Rate	3.0%	2.9%	3.8%	2.9%
Loading Repetitions (ESAL) As of Testing	477,000	399,000	114,812	511,370
Pav't Temp on Test Date	68° F	78° F	75° F	90° F
ASTM Soil Classification	CL-CH	CL	CL	CL

Data Analysis

Center Slab Deflection Analysis

The FWD was used to find the center deflection and basin deflection area of the pavements. The procedure consists of dropping a weight, with an equivalent force of approximately 9000 pounds, in the center of the concrete slab and measuring the deflection immediately beneath the load cell, as well as at radial distances of 8, 12, 18, 24, 36 and 60 inches from the load cell.

Due to a natural variation of the drop load, the center deflections were normalized to a value corresponding to 9000 pounds. 9000 pounds is chosen because it is a dynamic load that is representative of actual truck loads and depicts the pavement response to truck traffic (1). The equation for normalizing any deflection to 9000 pounds is as follows (2):

$$d_{i \text{ norm}} = d_i * (9000 \text{ lb}) / (\text{applied load})$$

where

$d_{i \text{ norm}}$	=	Deflection Normalized to 9000 pound
d_i	=	Deflection Reading at the Applied Load
applied load	=	The actual load applied by the FWD

In general, normalized center deflections are expected to be less than four mils on PCCP of this thickness and age. A normalized center deflection greater than 4 mils, on PCCP, would warrant investigation by the pavement engineer.

The areas of the deflection basins were calculated using center slab deflection values as follows (1):

$$\text{Area} = (6) * [1 + 2 * (d_{12}/d_0) + 2 * (d_{24}/d_0) + (d_{36}/d_0)]$$

where

Area	=	Area of the deflection basin
d_0	=	Deflection immediately below the load cell
d_{12}	=	Deflection at a radial distance of 12"
d_{24}	=	Deflection at a radial distance of 24"
d_{36}	=	Deflection at a radial distance of 36"

The area parameter has a maximum value of 36 and occurs when all deflections are equal (highly improbable). A value close to 36 would indicate an extremely stiff pavement, likewise as the area decreases - the stiffness of the pavement also decreases.

The normalized center deflections and deflection basin areas were plotted versus log mile for all pavements as shown in **Figures 1 through 8**. (See Appendix A for Center Deflection Data.)

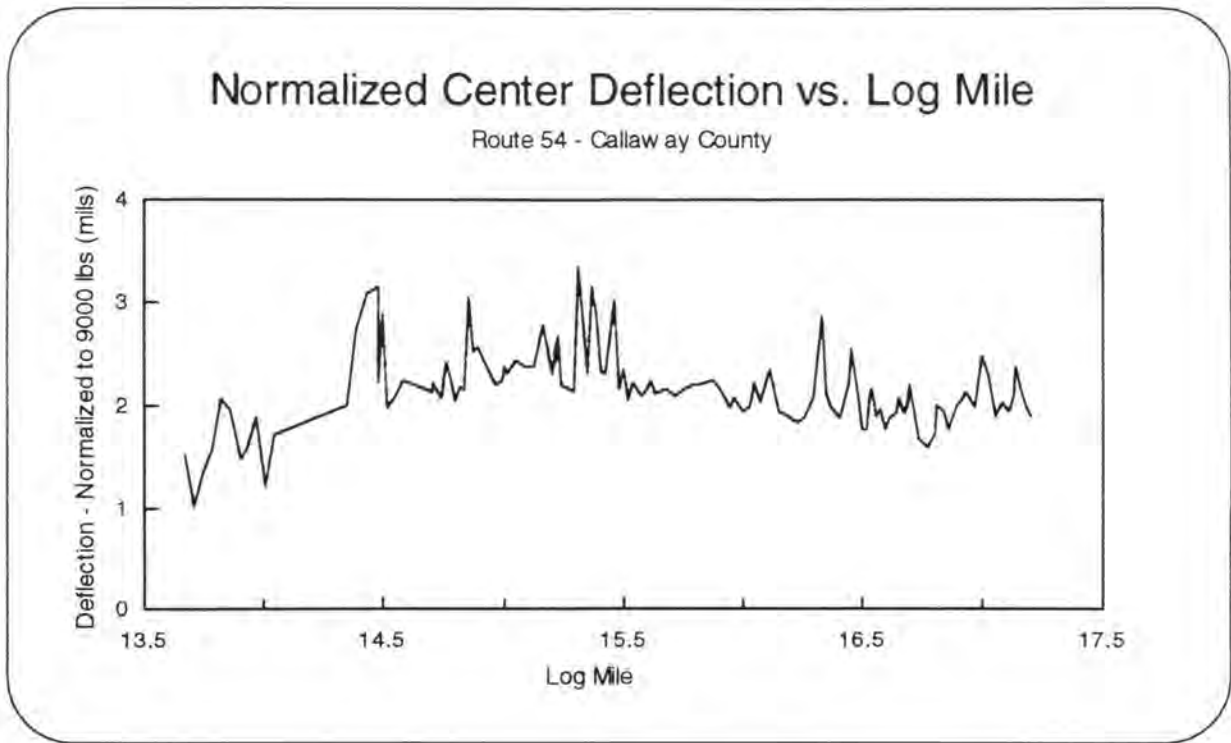


Figure 1 Normalized Center Deflection vs. Log Mile for Route 54, Callaway County

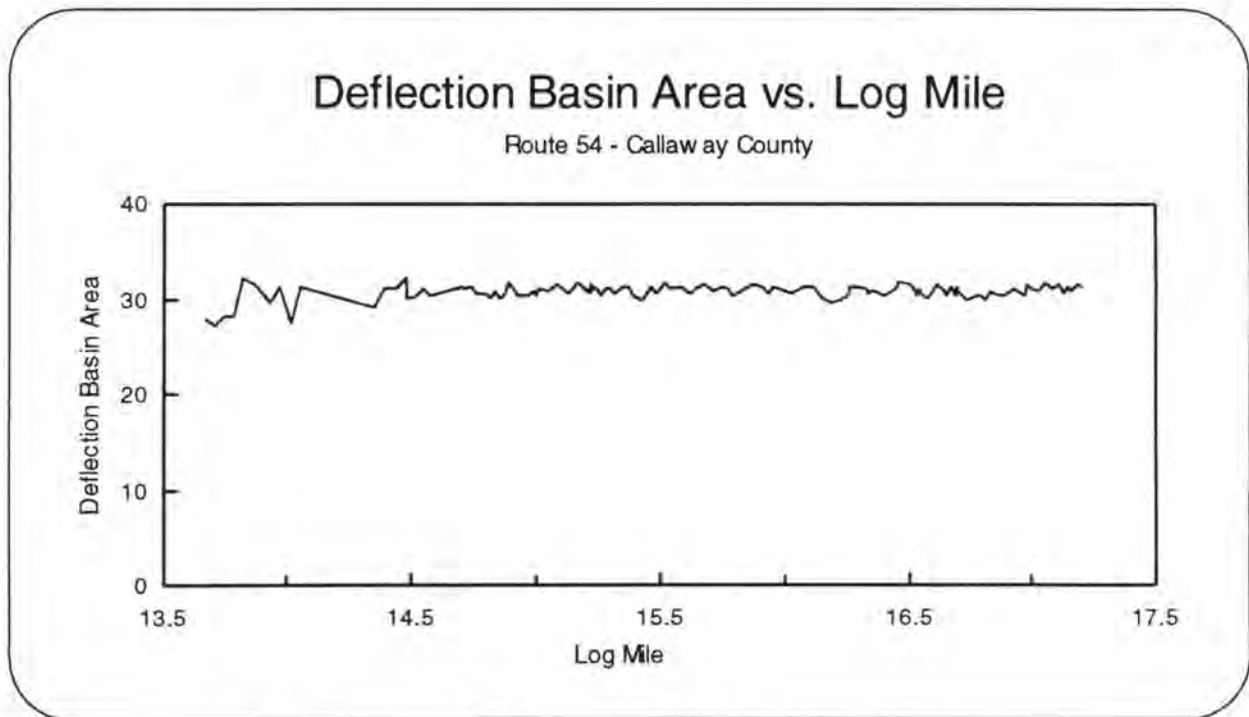


Figure 2 Deflection Basin Area vs. Log Mile for Route 54, Callaway County

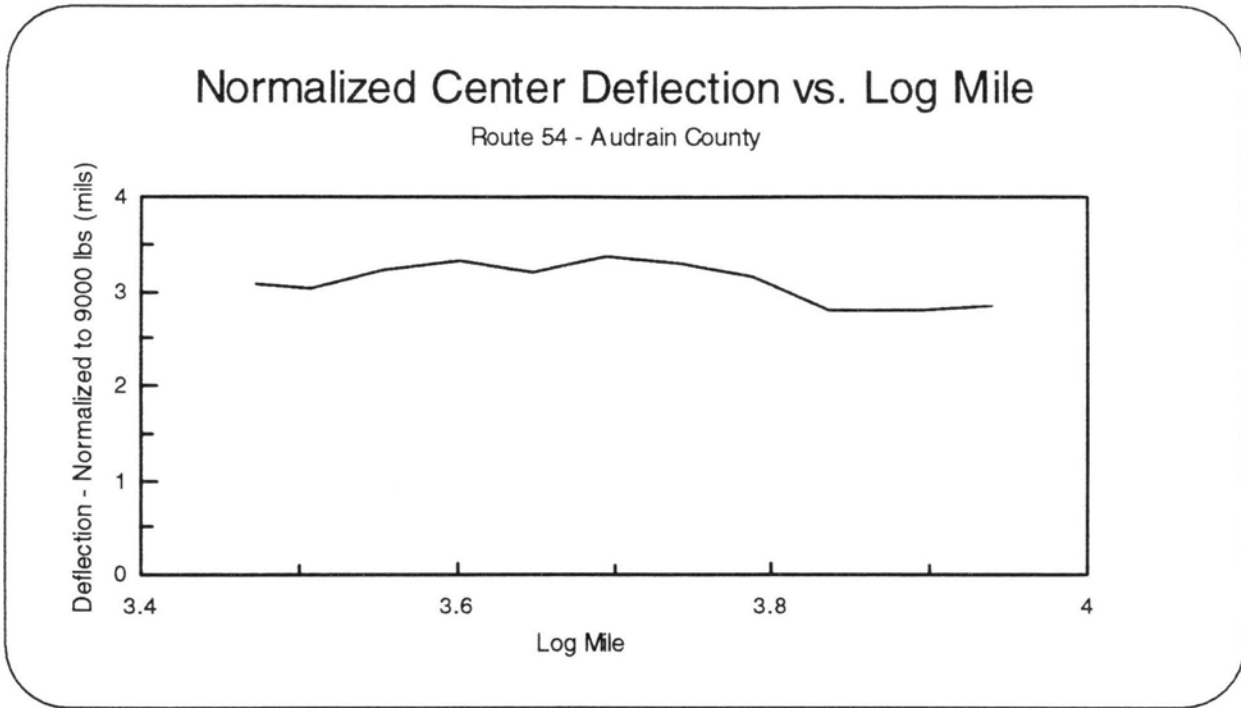


Figure 3 Normalized Center Deflection vs. Log Mile for Route 54, Audrain County

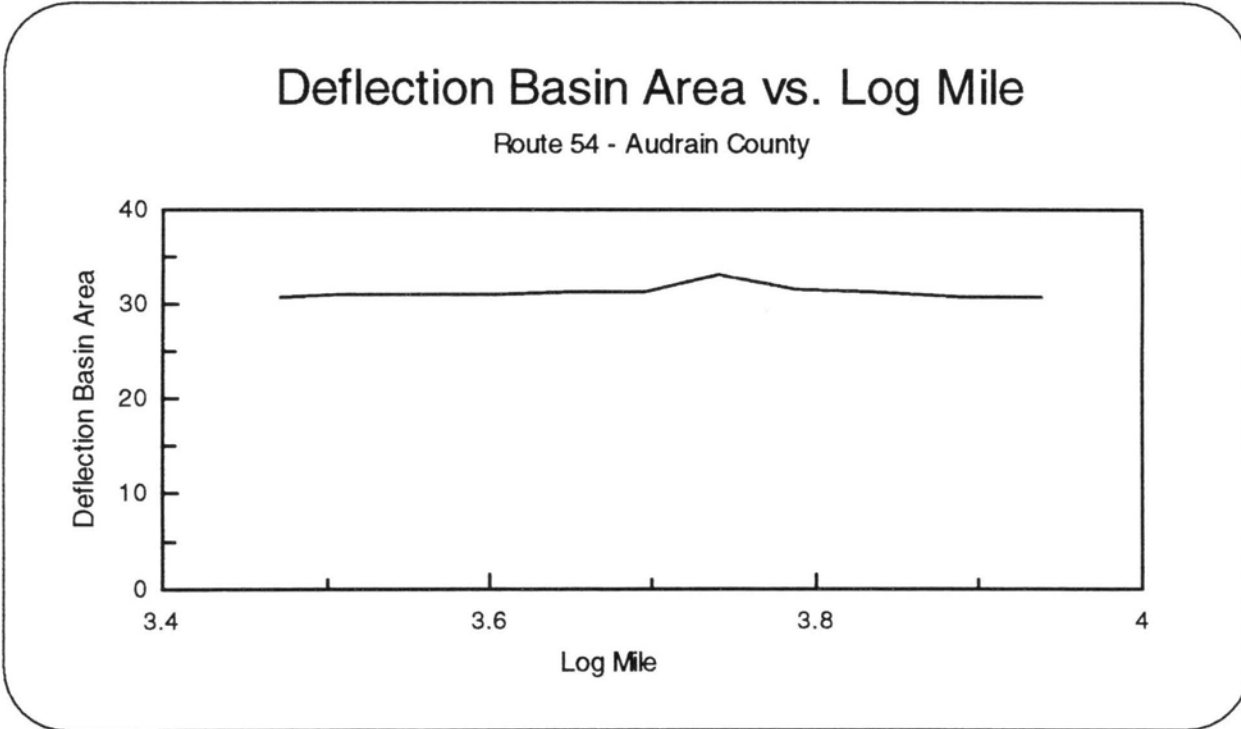


Figure 4 Deflection Basin Area vs. Log Mile for Route 54, Audrain County

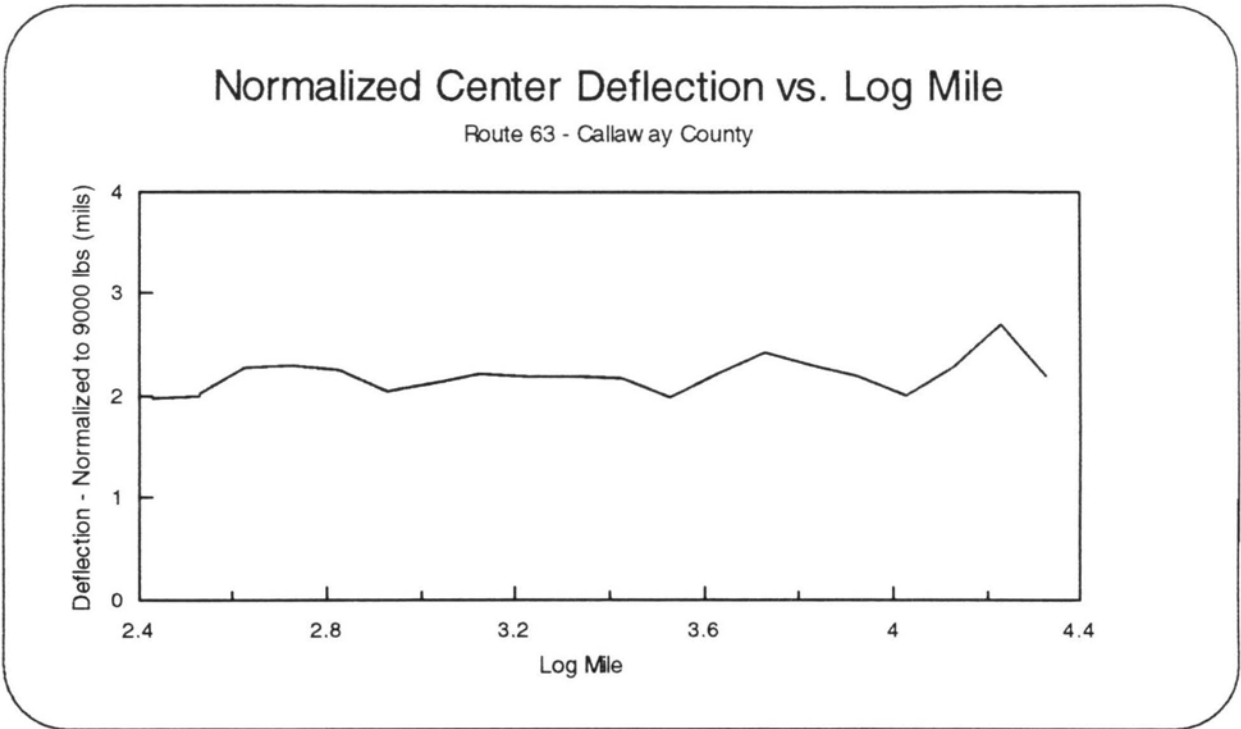


Figure 5 Normalized Center Deflection vs. Log Mile for Route 63, Callaway County

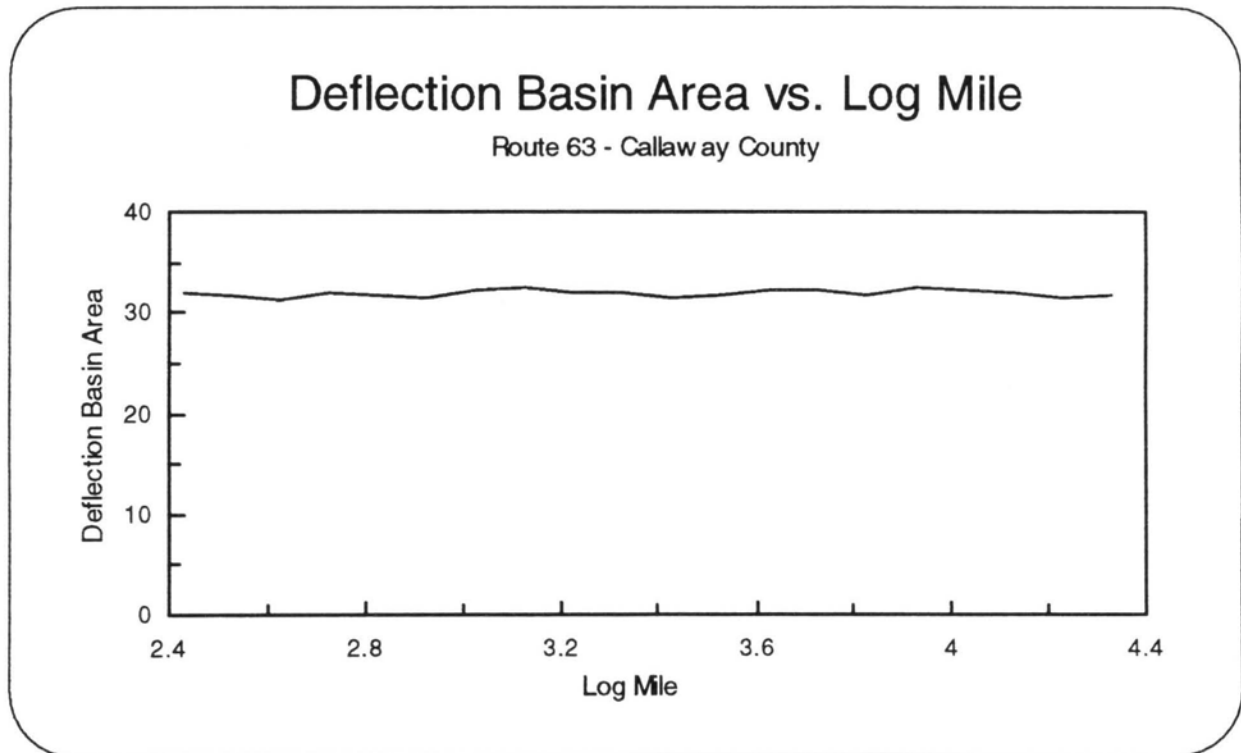


Figure 6 Deflection Basin Area Vs. Log Mile for Route 63, Callaway County

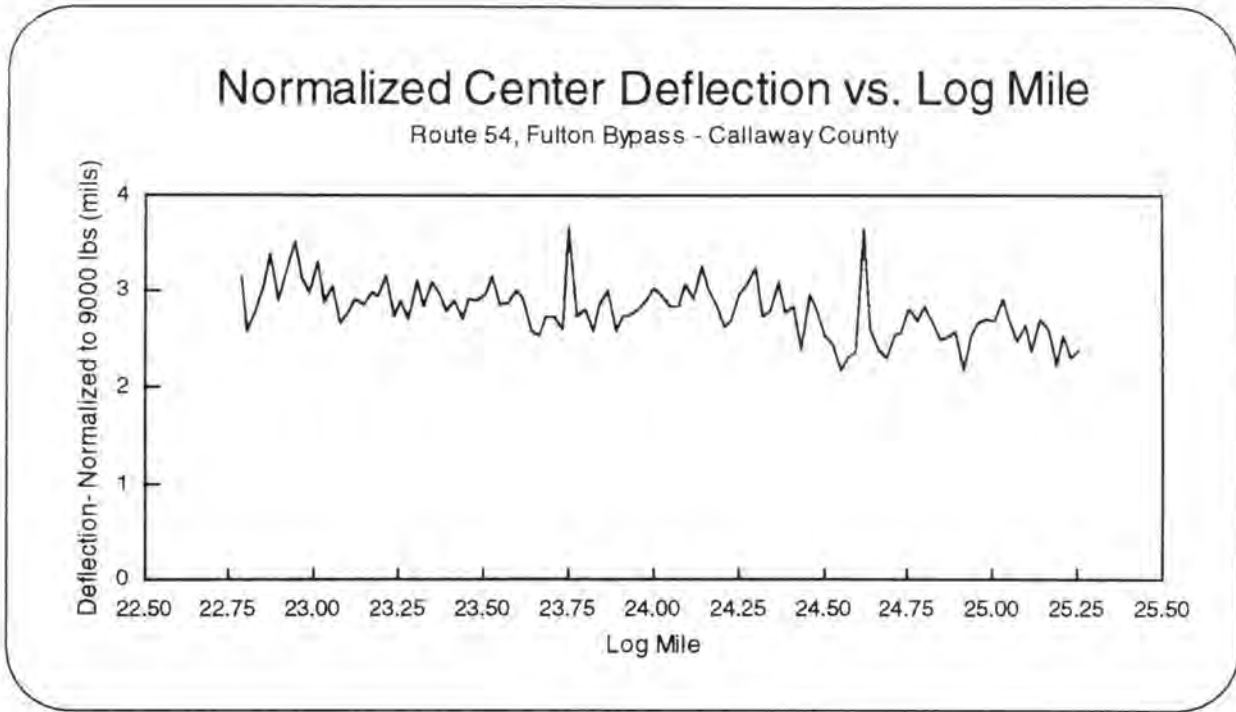


Figure 7 Normalized Center Deflection vs. Log Mile for Route 54, Fulton Bypass. Callaway County

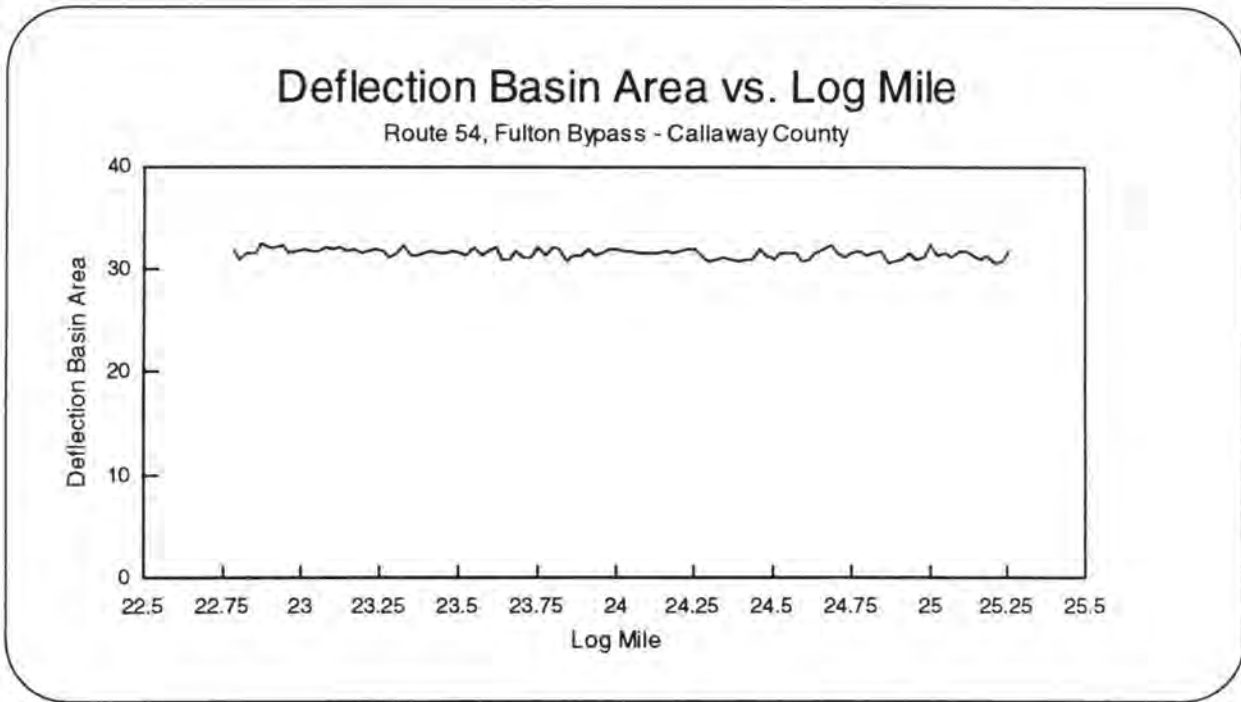


Figure 8 Deflection Basin Area vs. Log Mile for Route 54, Fulton Bypass, Callaway County

Corner Slab Deflection Analysis

The FWD was also used to find corner deflections. The procedure involves placing the load cell at the corner of the slab on the leave side of the joint. Leave side refers to the edge of the slab after the joint when traveling in the direction of traffic. The corner deflections were normalized according to the equation previously discussed. The plots of corner deflection vs. log mile are shown in **Figures 9 through 12**. (See Appendix B for Corner Deflection Data.)

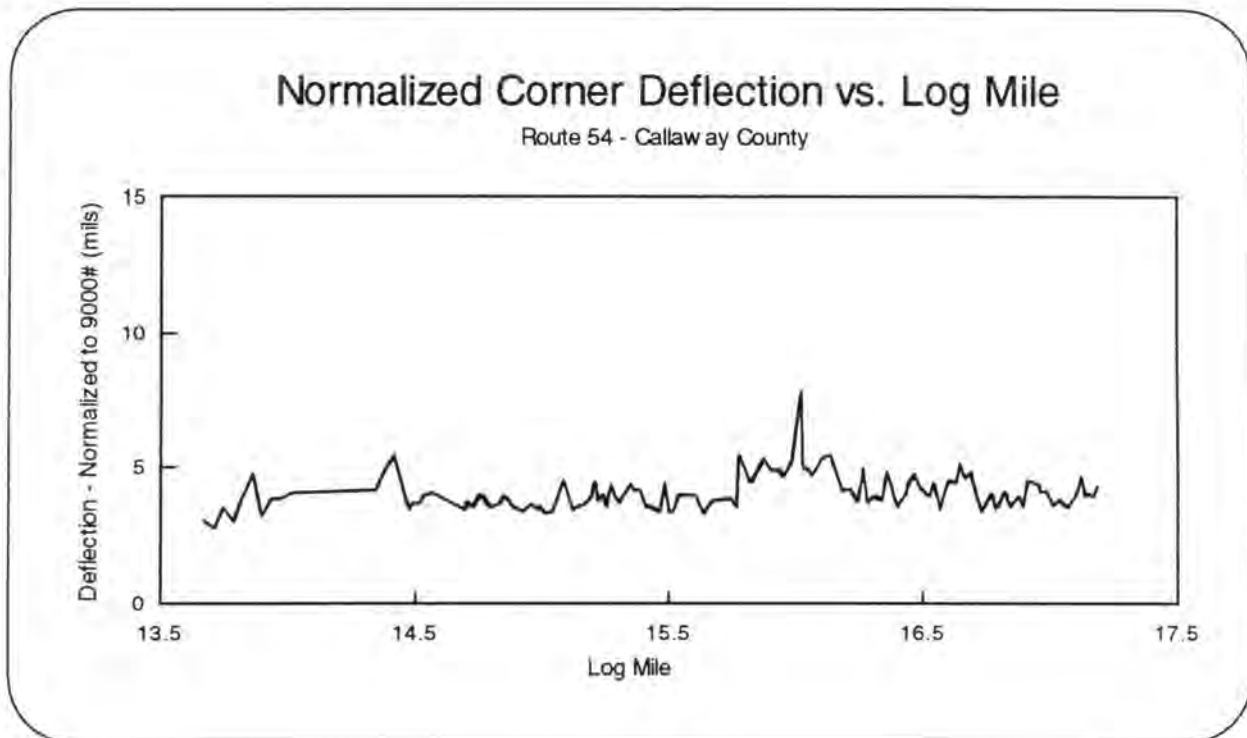


Figure 9 Normalized Corner Deflection vs. Log Mile for Route 54, Callaway County

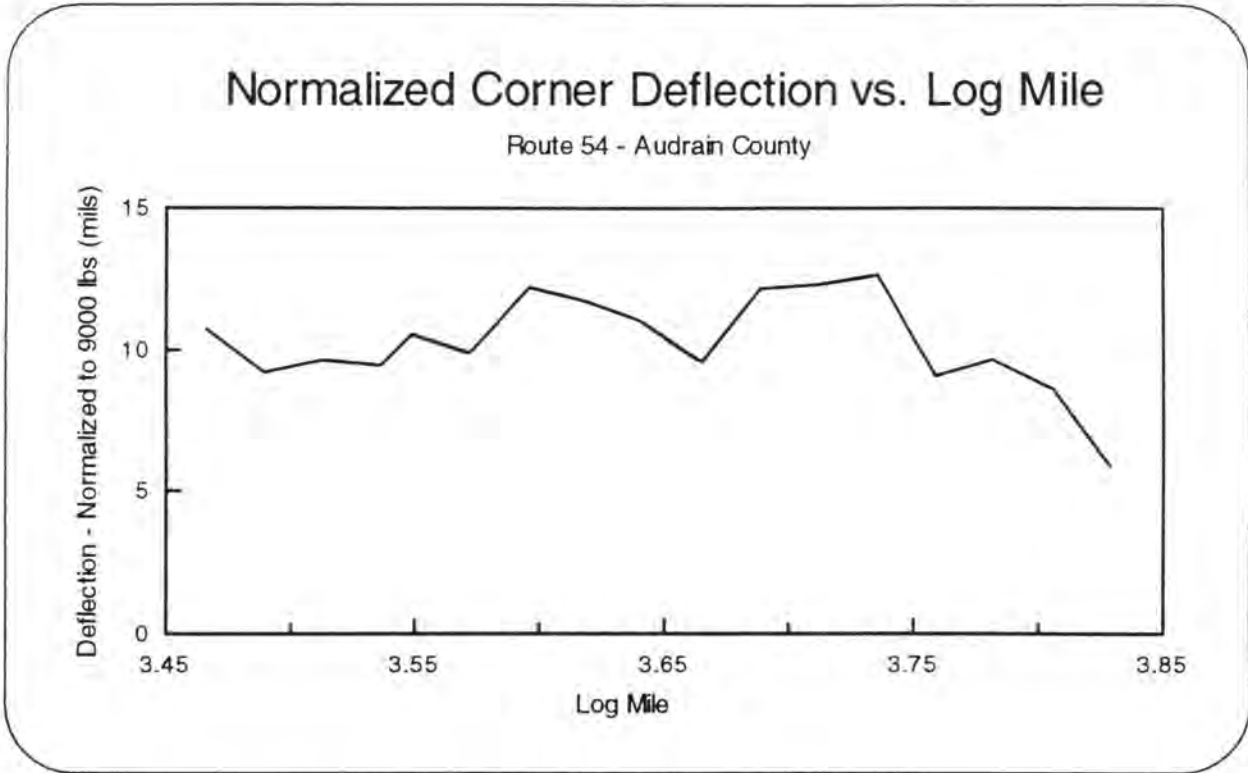


Figure 10 Normalized Corner Deflection vs. Log Mile for Route 54, Audrain County

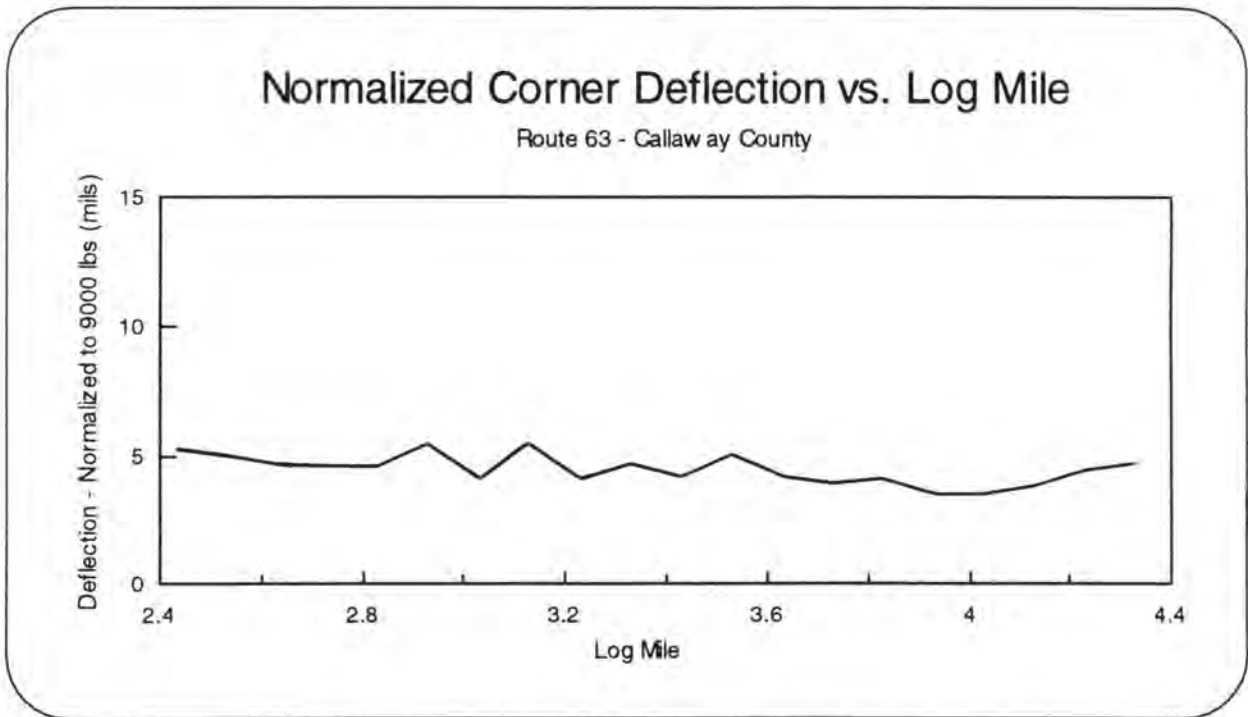


Figure 11 Normalized Corner Deflection vs. Log Mile for Route 63, Callaway County

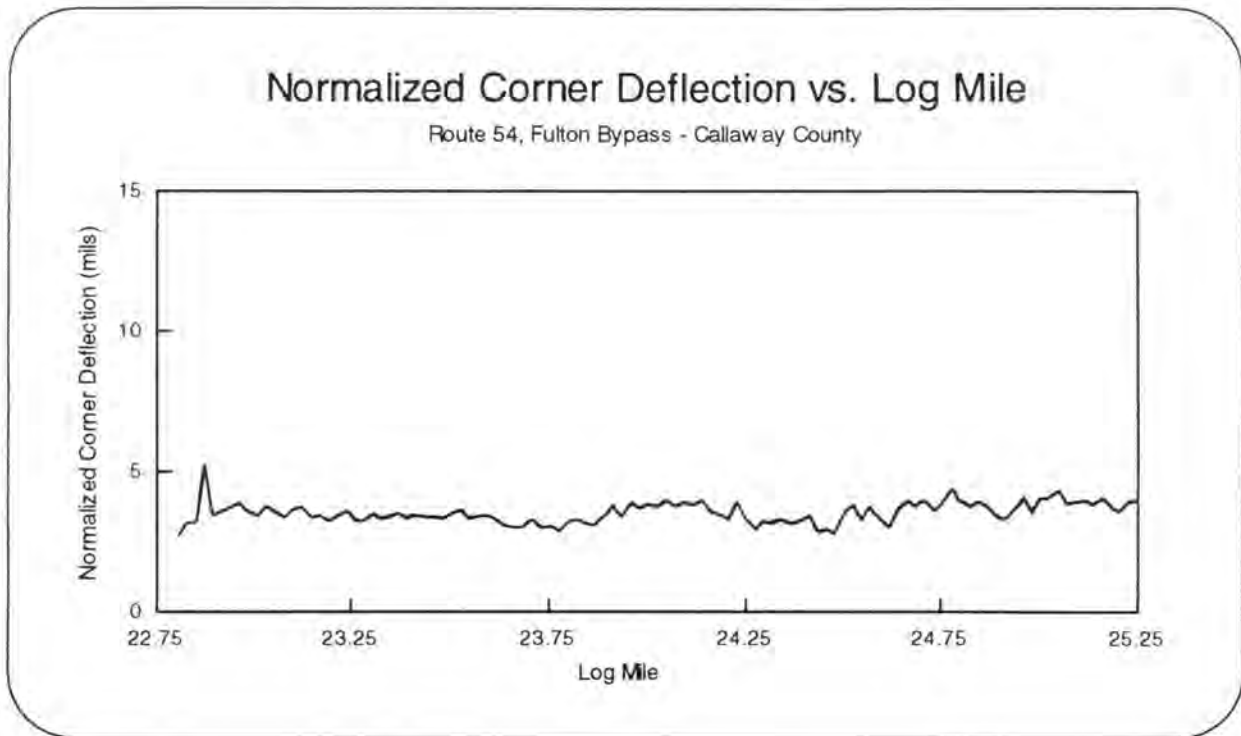


Figure 12 Normalized Corner Deflection vs. Log Mile for Route 54, Fulton Bypass, Callaway County

Analysis of Joint Load Transfer Efficiency

The FWD was used to find joint load transfer efficiency for both projects. The procedure includes placing the load cell on the leave side of the joint longitudinally, and in the outer wheel path transversely (1). The sensors are spaced radially at -12, 0 (referring to directly beneath the load plate), 12, 18, 24, 36, and 60 inches. The -12 sensor is on the other side or approach side of the joint. This sensor gives deflection information for the unloaded slab, and is the same distance from the joint as the 0 sensor due to the 11.8 inch diameter of the load cell. The sensor configuration and load cell placement are shown in **Figures 13 and 14** (3).

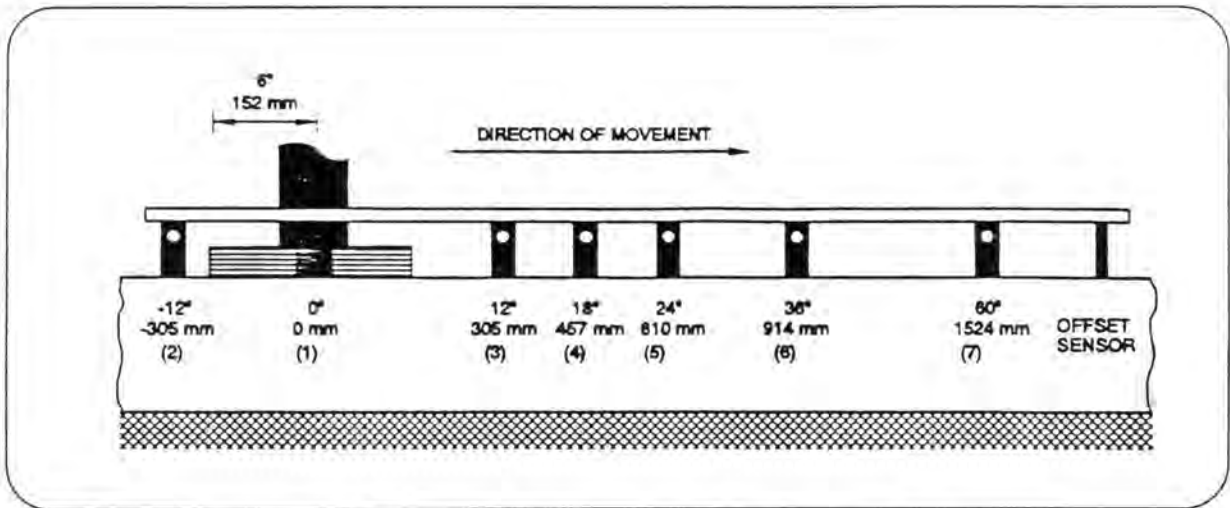


Figure 13 Sensor Configuration for Load Transfer Testing

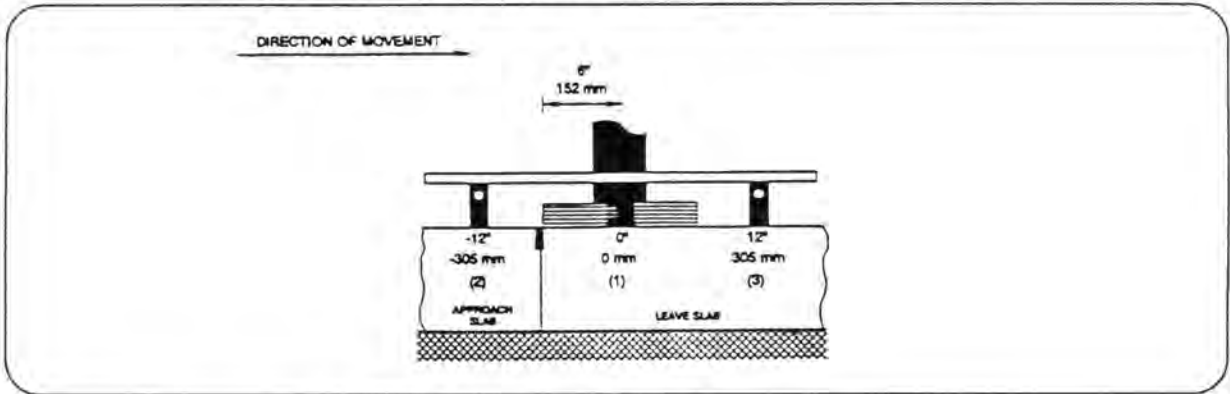


Figure 14 Leave Slab Load Transfer Testing

The joint load transfer efficiency is calculated as follows (1):

$$d_{je} = (d_u/d_l) * 100$$

where:

- d_{je} = Joint Load Transfer Efficiency (%)
- d_u = Deflection of the Unloaded Slab
- d_l = Deflection of the Loaded Slab

The joint load transfer efficiency vs. log mile was plotted for all projects. (See Appendix C for Load Transfer Data.) According to NCHRP Project 1-21, 70% is the lower limit for good load transfer. This limit is shown on the plots in **Figures 15 through 18**.

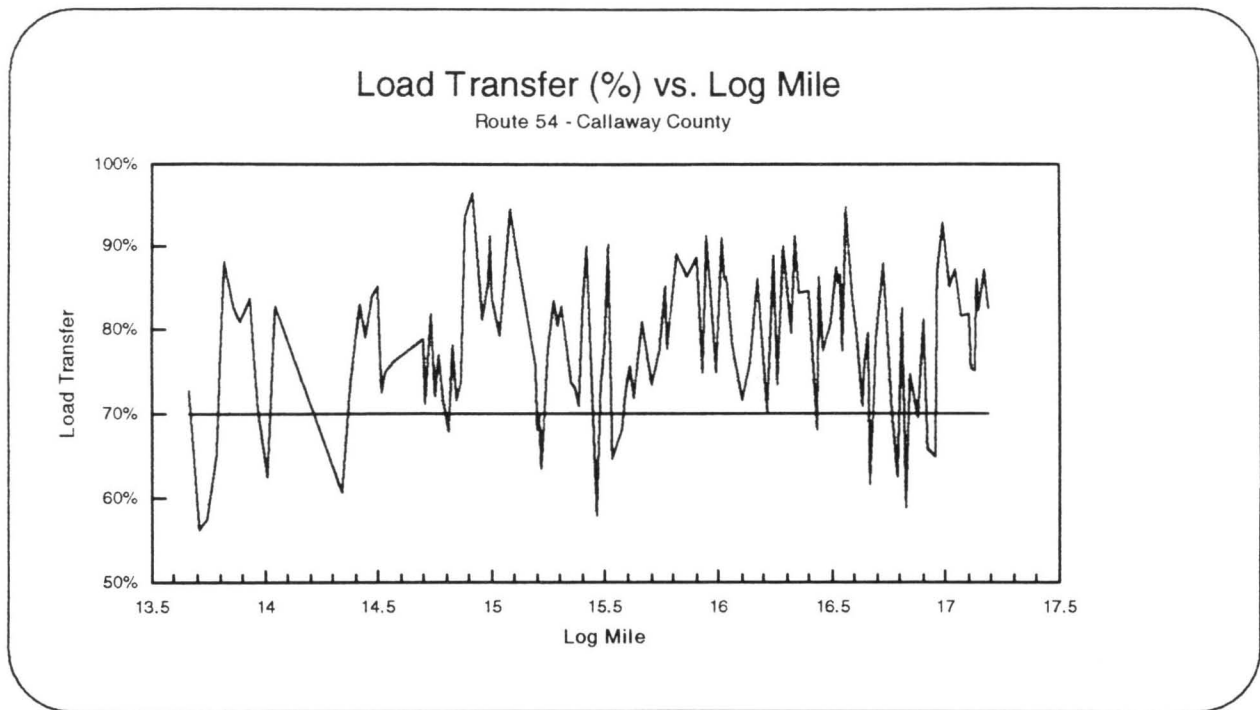


Figure 15 Joint Load Transfer Efficiency vs. Log Mile for Route 54, Callaway County

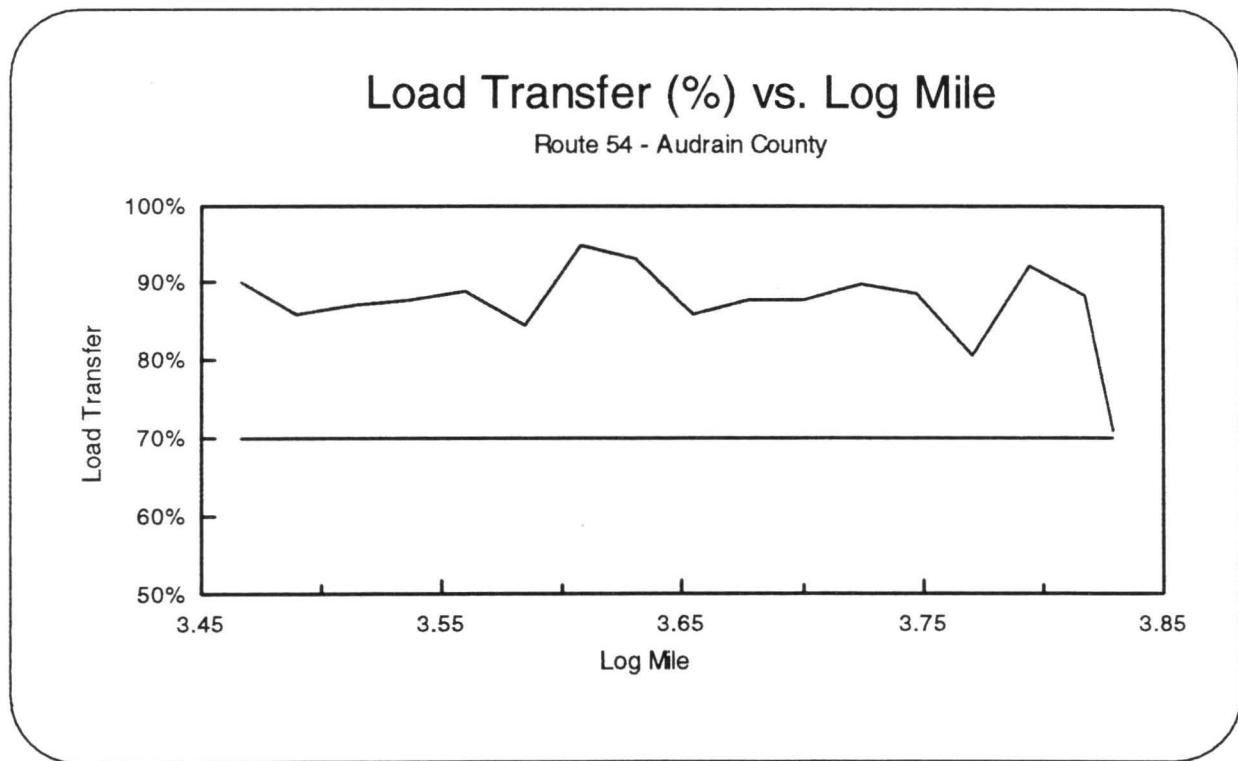


Figure 16 Joint Load Transfer Efficiency vs. Log Mile for Route 54, Audrain County

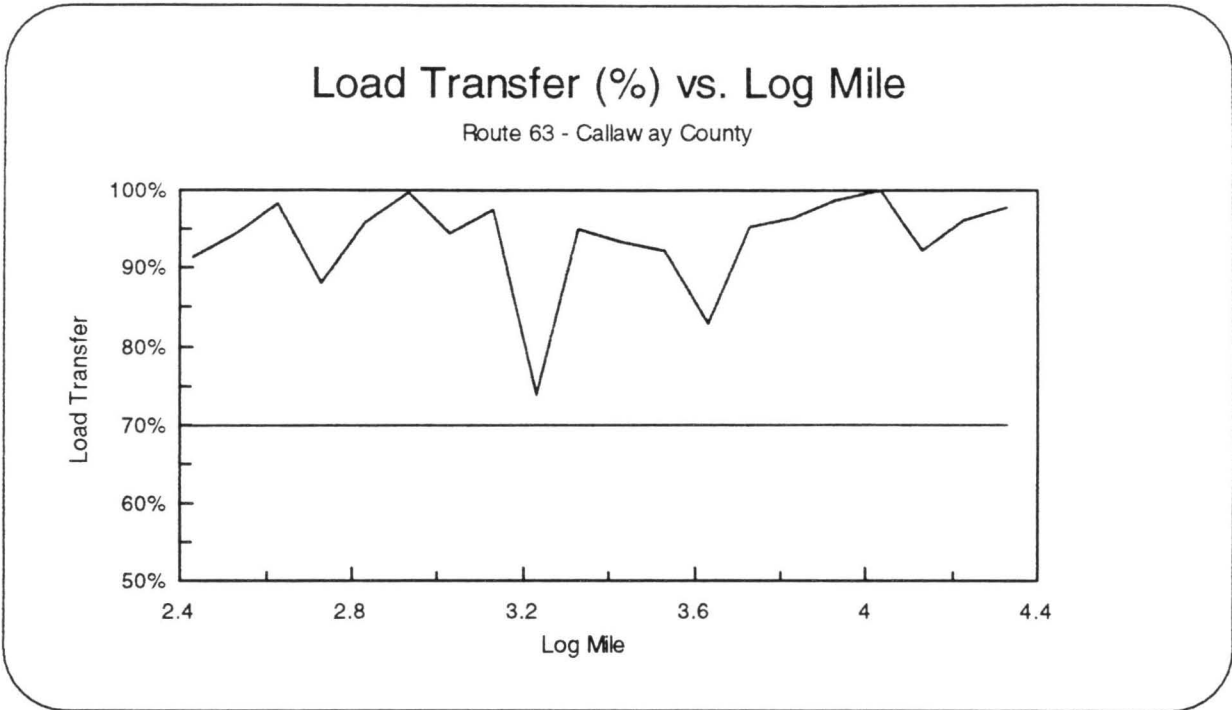


Figure 17 Joint Load Transfer Efficiency vs. Log Mile for Route 63, Callaway County

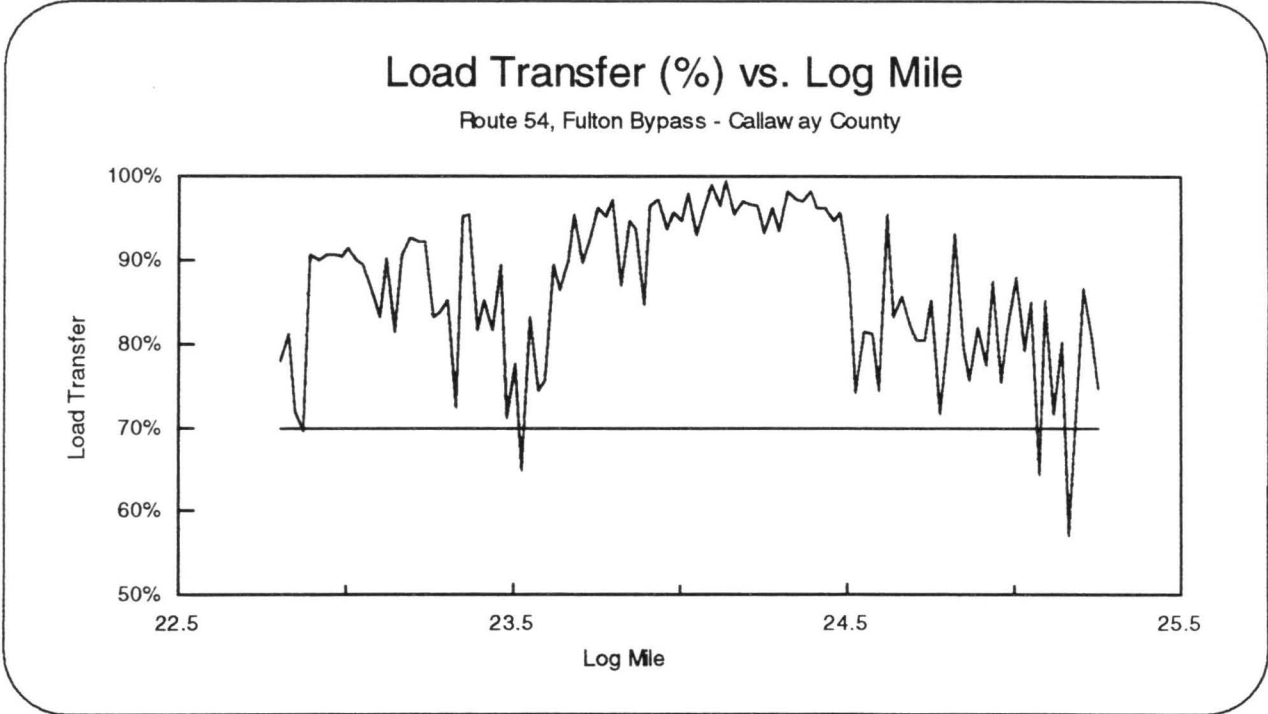


Figure 18 Joint Load Transfer Efficiency vs. Log Mile for Route 54, Fulton Bypass, Callaway County

Load Transfer in Relation to Cut and Fill

Due to the poor load transfer values of Route 54, Callaway County (such as approximately 20% of the joints having less than 70% load transfer), the relationship of cut and fill to load transfer was investigated. The plots of load transfer vs. log mile (from **Figure 15**) and cut and fill vs. station were superimposed in **Figure 19**.

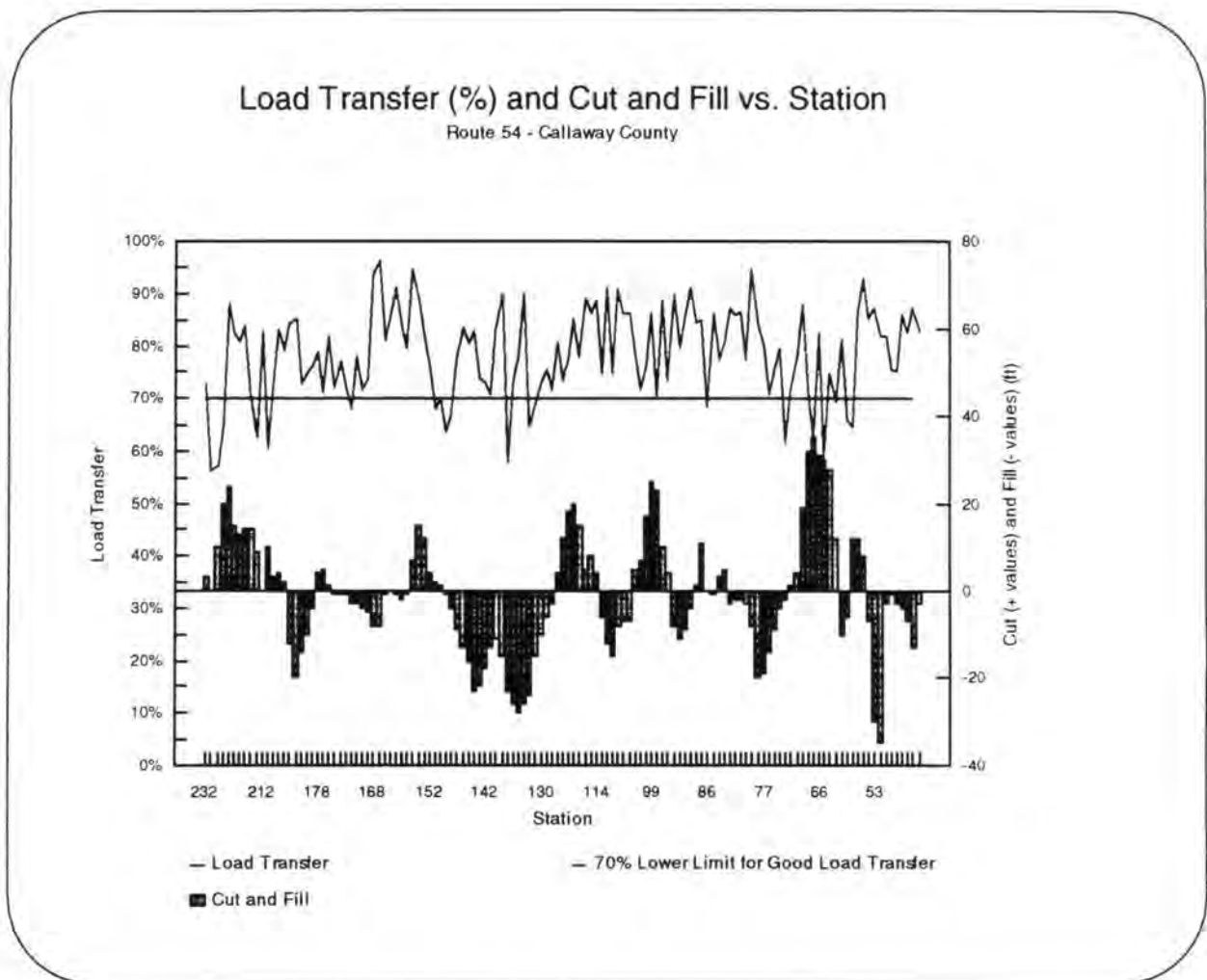


Figure 19 Load Transfer and Cut and Fill vs. Station for Route 54, Callaway County

Void Size Estimation Method

Exceptions to the NCHRP Method

The NCHRP Project 1-21 procedure for detecting voids (beneath the slab - caused by subgrade erosion and/or vertical soil movements (1)) and estimating void size was followed with two exceptions. The load transfer was found in the outer wheel path of the slab as specified by AASHTO (1), rather than in the corner of the slab as specified by the NCHRP method (4).

The other exception is that the NCHRP method calls for finding deflections at both the approach and leave sides of the joint in order to identify voids on either side (4). Instead, the corner deflection was found on only the leave side of the joint. NCHRP and other research reports agree that voids begin under the leave side of the joint and progress longitudinally and transversely (4). Due to the fact that these are new pavements, it is believed the leave side deflection will identify any problem areas.

Determination of Pavement Parameters from Center Deflections

The first step in this analysis is to find the area and normalized deflections. The formulas and procedure are detailed in the section *Center Slab Deflection Analysis*.

Second, the normalized deflection and calculated area are used as entrance points along with the slab thickness in **Figures 20 and 21**, taken from the AASHTO Guide for Design of Pavement Structures (1). The result of these figures is the backcalculated effective modulus of elasticity (E) for each subsection of the slab. The E values are then averaged to determine the average slab modulus for each pavement. Values between 3×10^6 and 7×10^6 are acceptable, any value greater than 7×10^6 is taken to be 7×10^6 (4).

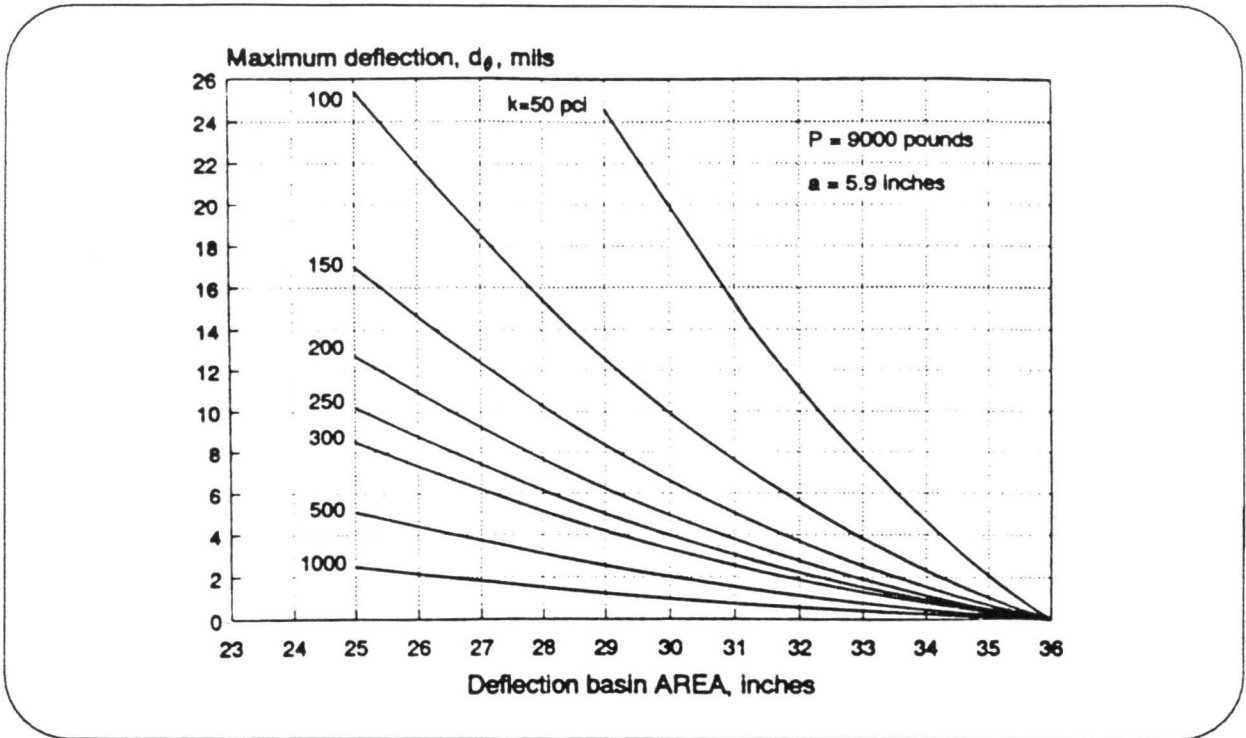


Figure 20 Effective Dynamic k -value Determination from d_0 and Area (1)

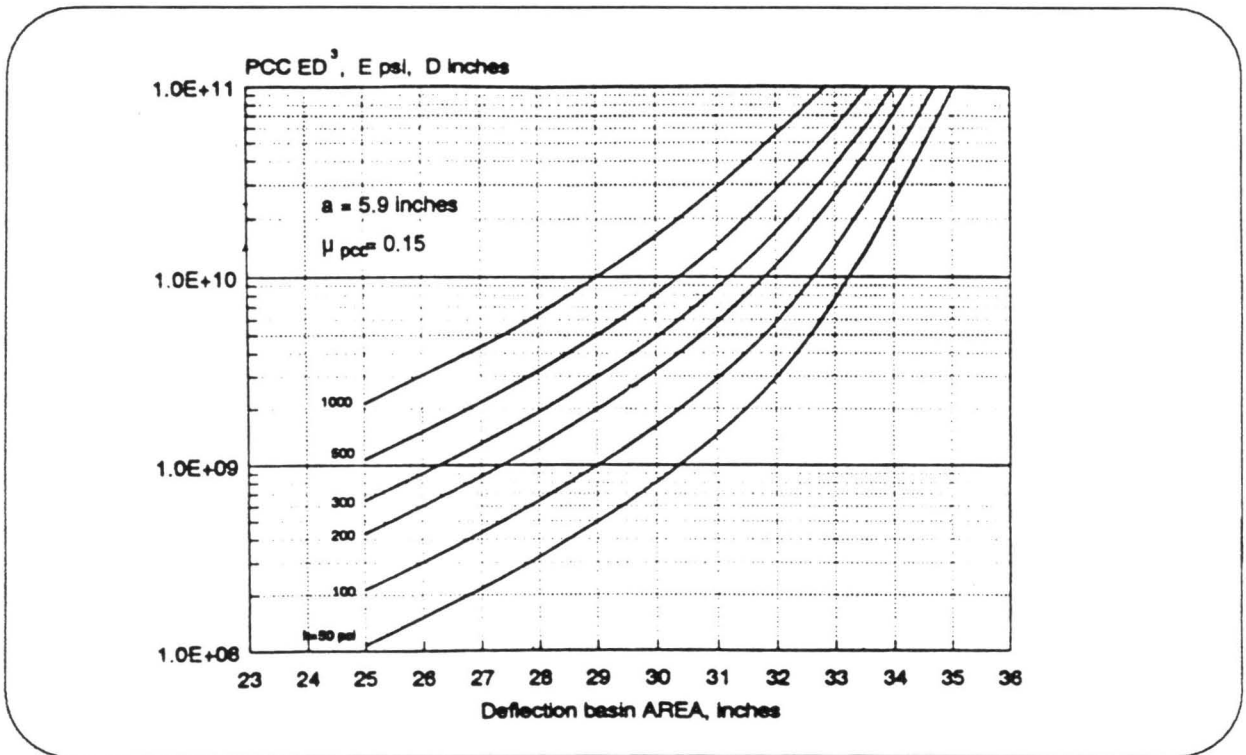


Figure 21 PCC Elastic Modulus Determination from k -value, Area and Slab Thickness (1)

The third step is the calculation of the bending adjustment factor (4) or slab bending correction factor (1) for each subsection. These values are also averaged to find a representative value for the entire section. The formula is as follows (1):

$$B = d_0/d_{12}$$

where

B	=	Slab Bending Correction Factor
d_0	=	Deflection Immediately Below the Load Cell
d_{12}	=	Deflection at a Radial Distance of 12 inches

Determination of Adjustment Factors to Standardize Corner Deflections

All charts used for the NCHRP method were developed using a load of 9,000 pounds and a slab modulus of elasticity of 4,000,000 psi, therefore the corner deflections must be adjusted as follows to reflect these values (4).

Step four requires entering **Figure 22** with the average E value, to determine the modulus correction value, E_{corr} . With this value, the corner deflection can be standardized using the formula as follows:

$$d_0^* = (d_0) * (E_{corr}) * (9000 \text{ lb}) / (\text{applied load})$$

where

d_0^*	=	Standardized Corner Deflection
d_0	=	Actual Corner Deflection
E_{corr}	=	Modulus Correction Value
applied load	=	Actual Load Applied by the FWD on that Drop

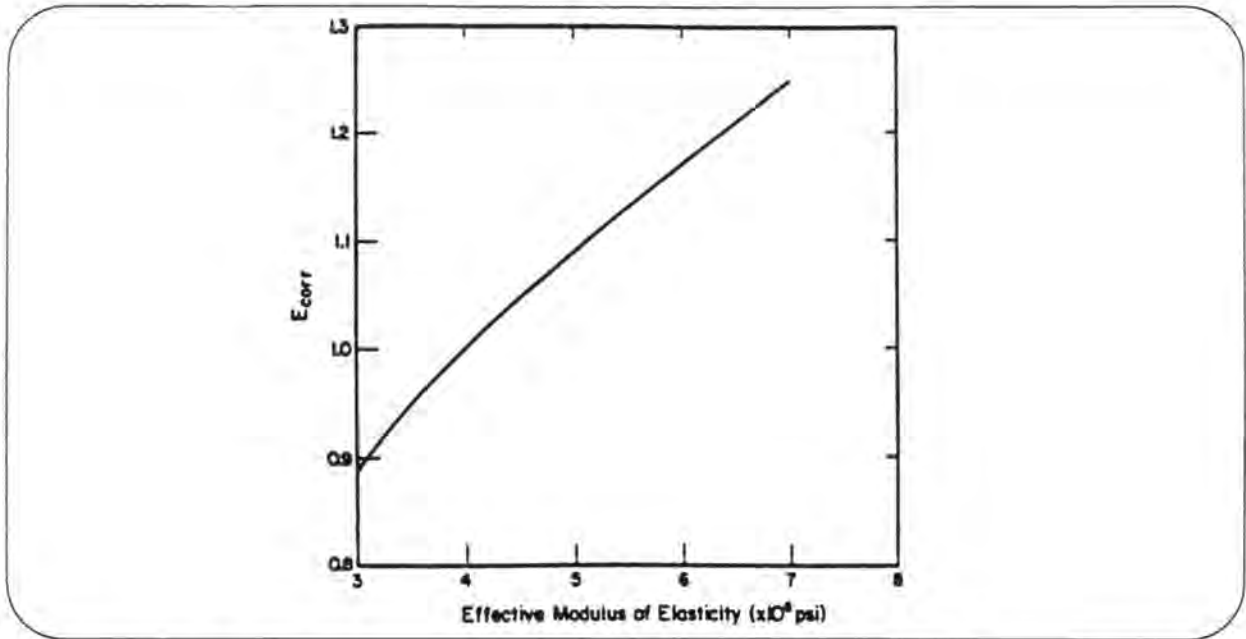


Figure 22 Plot for Determination of the Elastic Modulus Correction Factor, E_{corr} (4)

Adjusting Load Transfer

The load transfer discussed in the section *Analysis of Joint Load Transfer Efficiency* has to be adjusted to eliminate load induced bending tendencies of the slab.

The formula is as follows:

$$LT_{adj} = LT * B$$

where

LT_{adj}	=	Adjusted load transfer
LT	=	Measured load transfer
B	=	Slab Bending Correction Factor

Construction of the Void Detection Plot

Next, the standardized corner deflections are plotted against the adjusted load transfers to create the void detection plots for all pavement designs as shown in **Figures 23 through 26**.

According to the research under NCHRP Project 1-21, the proportional variation between corner deflection and load transfer in fully supported slabs is found to remain essentially constant (4).

Any variation in the deflection measurements for fully supported slabs and equal load transfer is due to either the heterogeneous nature of the PCC pavement or variations in deflection testing (4).

This variation (10-15%) is accounted for by plotting three lines within which all points with full support will fall. The area within the three lines is referred to as the zero voids band. Any point falling above the zero voids band is said to have a void. The size of the void depends on the distance the point falls above the zero voids band and will be discussed in future sections.

Locating the Zero Voids Band

After the standardized corner deflections are plotted vs. the adjusted load transfer, the zero voids curves are superimposed over the void detection plot. The family of zero voids curves are shown in **Figure 27**. Using the family of zero voids curves as guides, one line is chosen such that all of the plotted data points lie above it (4). (The NCHRP Project 1-21 method allows some extreme values to fall below the line). The other two lines are then found by multiplying the intercepts of this line by 1.43 and 1.86. The middle line is the mean zero voids line, while the top line is the upper limit of the zero voids band.

The void detection plots with superimposed zero voids bands are shown in **Figures 28 through 31**.

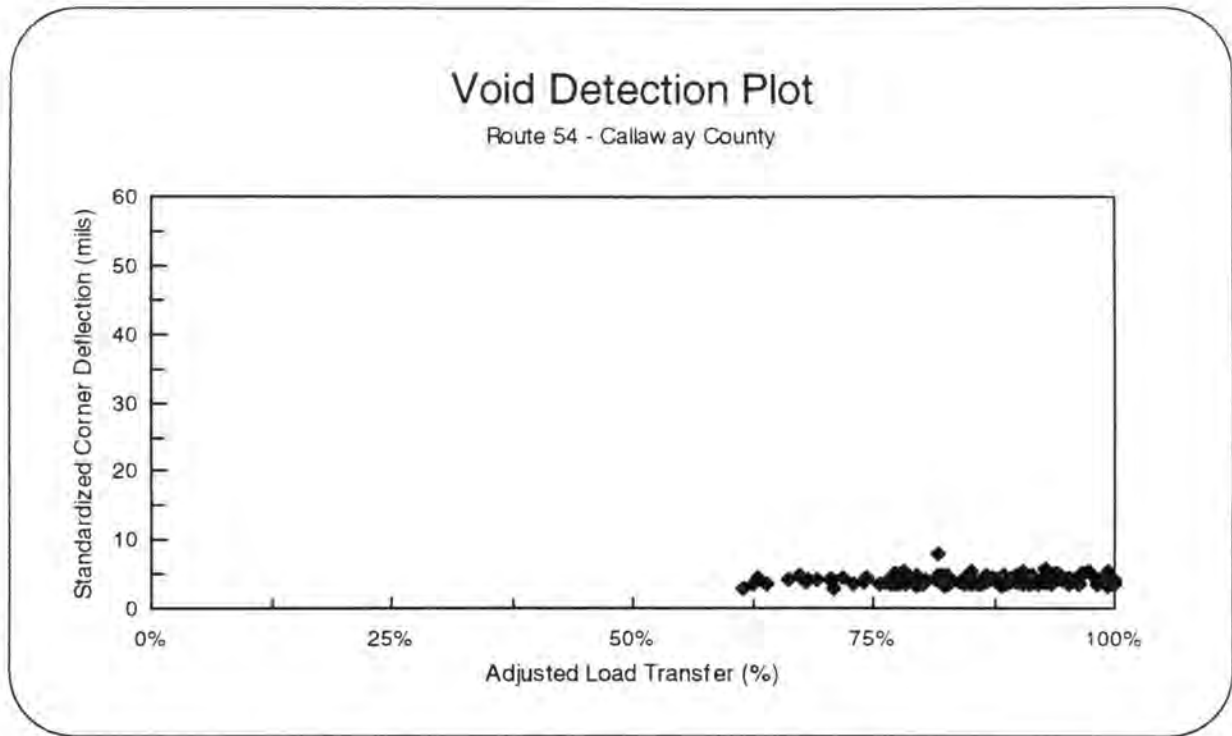


Figure 23 Void Detection Plot Before Zero Voids Band is Superimposed For Route 54, Callaway County

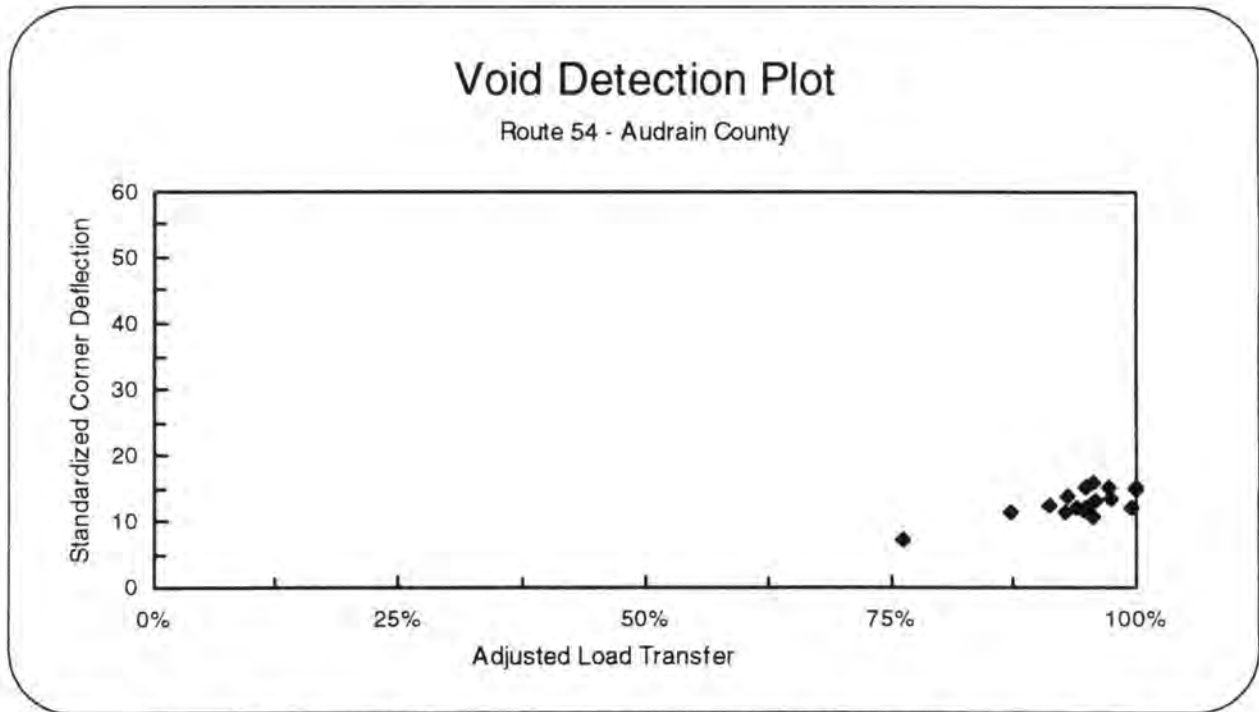


Figure 24 Void Detection Plot Before Zero Voids Band is Superimposed for Route 54, Audrain County

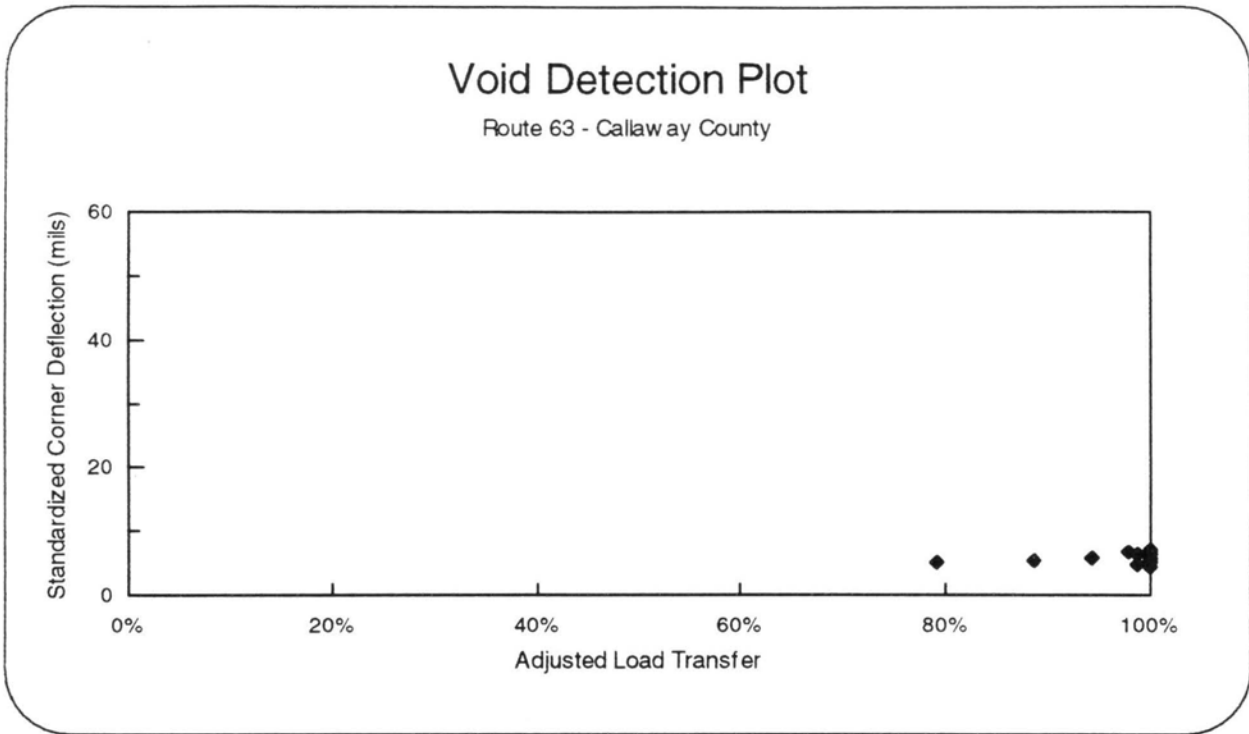


Figure 25 Void Detection Plot Before Zero Voids Band is Superimposed For Route 63, Callaway County

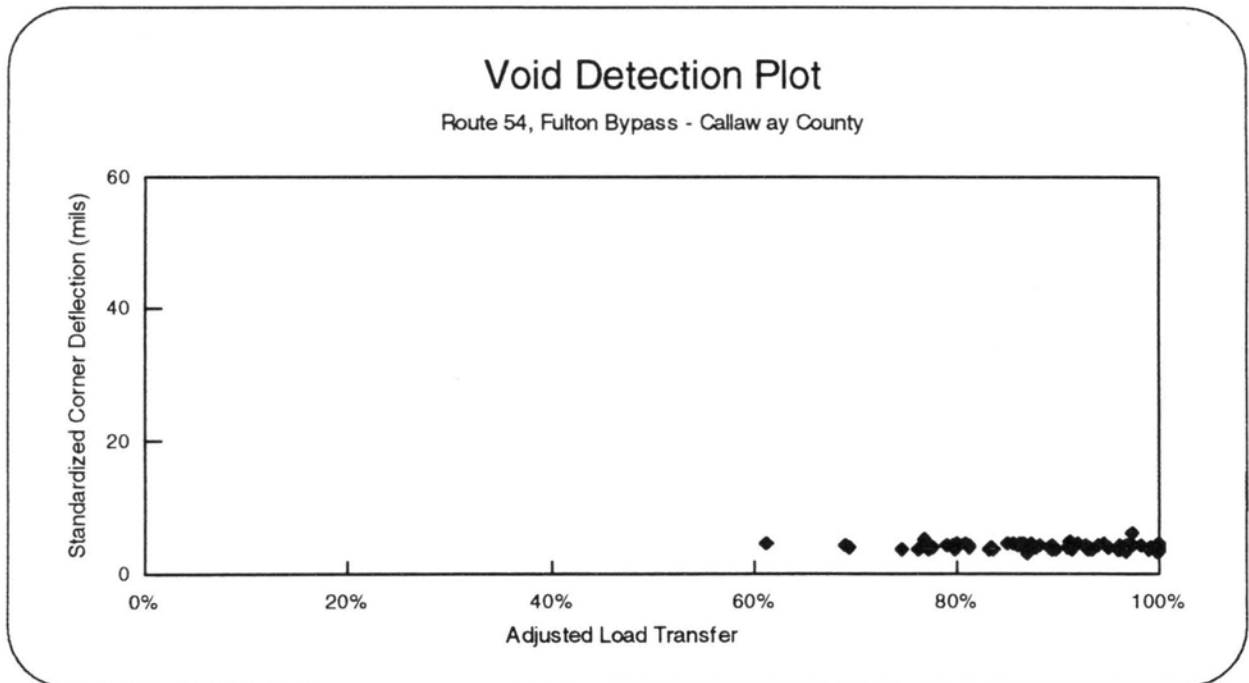


Figure 26 Void Detection Plot Before Zero Voids Band is Superimposed For Route 54, Fulton Bypass, Callaway County

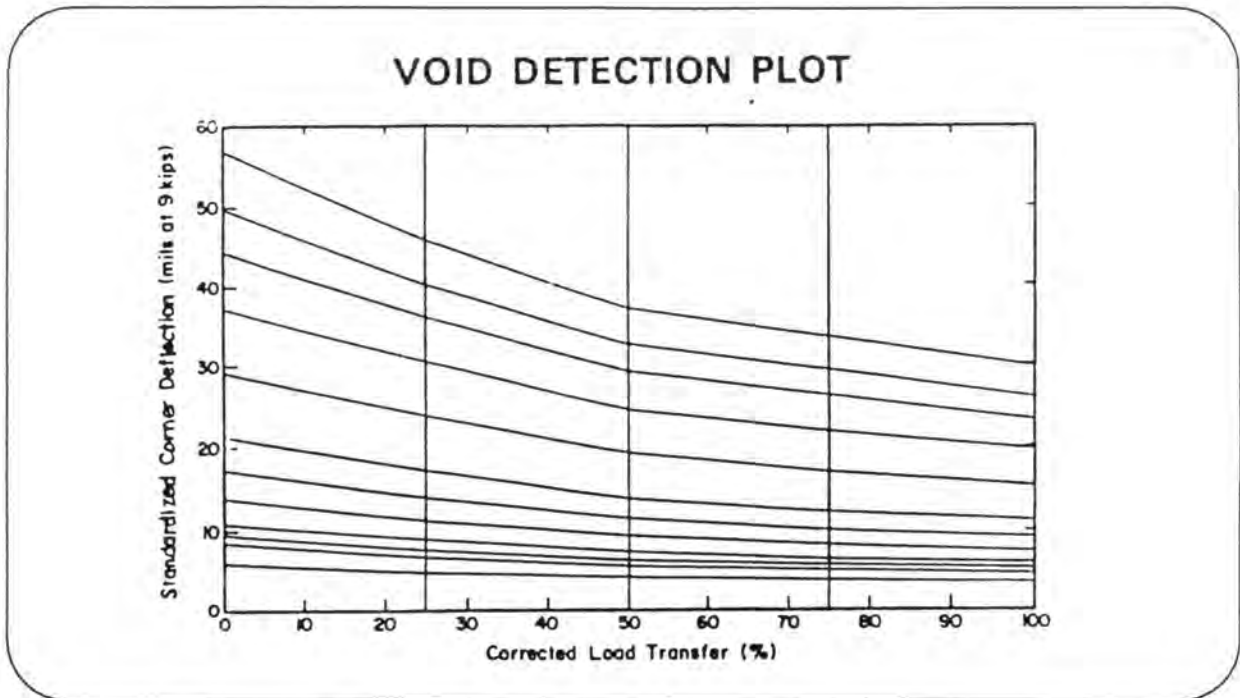


Figure 27 Family of Zero Voids Lines Found by NCHRP Project 1-21 (4)

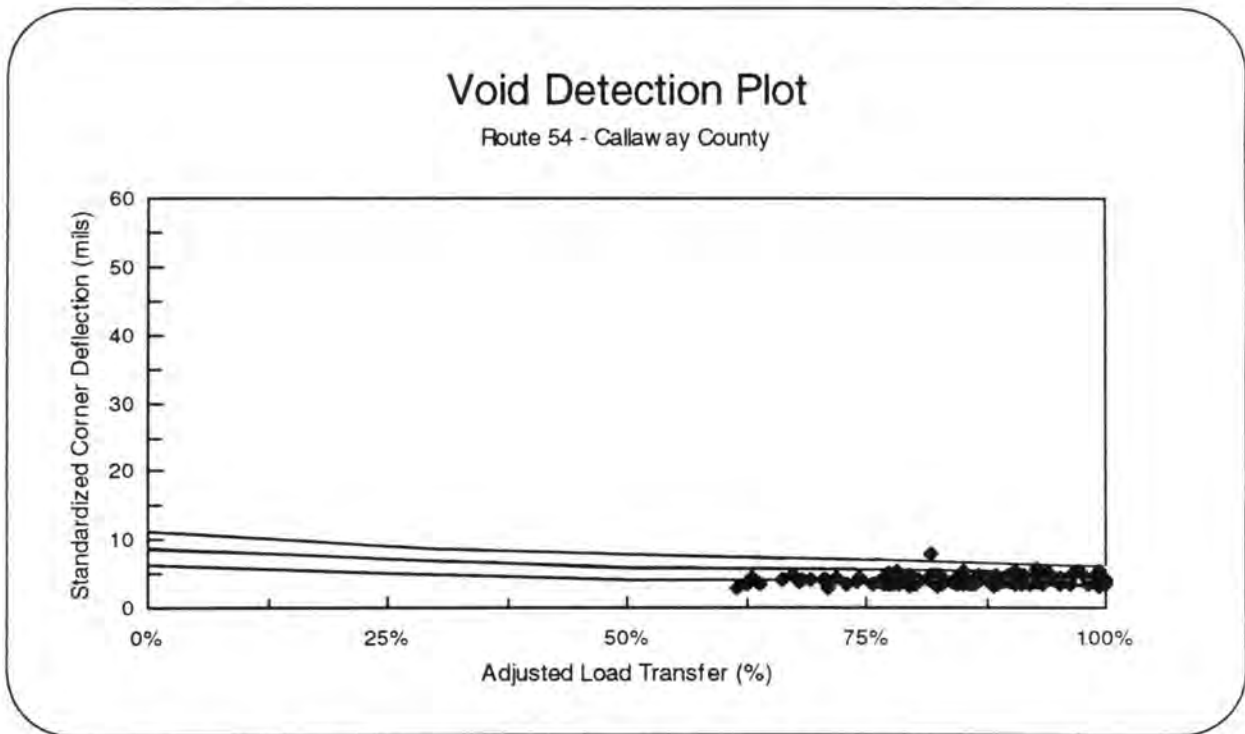


Figure 28 Void Detection Plot with Zero Voids Band Superimposed For Route 54, Callaway County

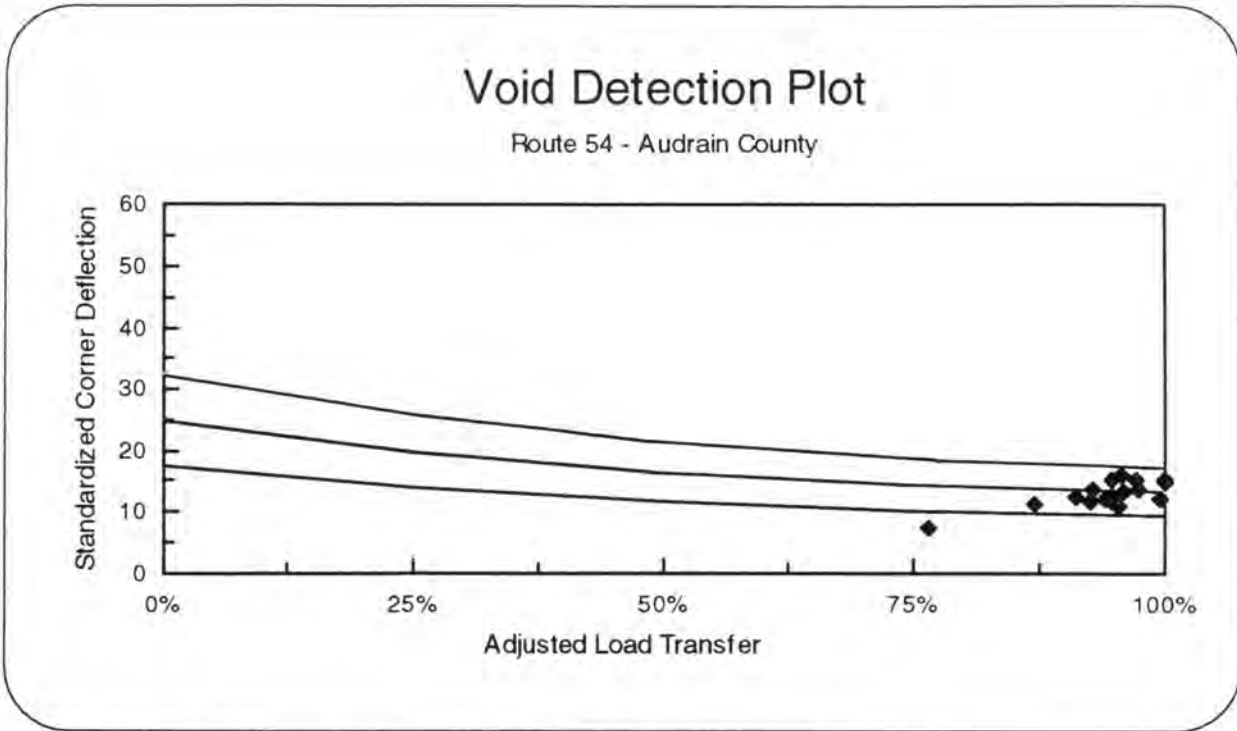


Figure 29 Void Detection Plot with Zero Voids Band Superimposed For Route 54, Audrain County

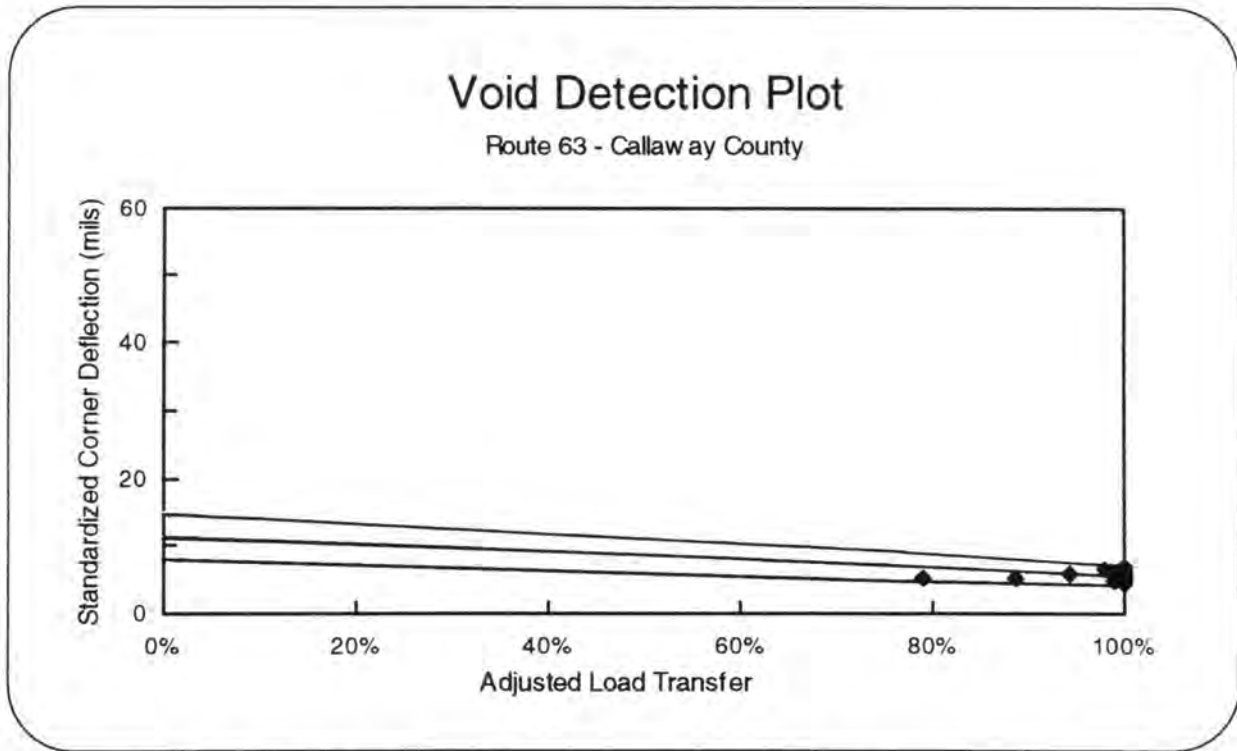


Figure 30 Void Detection Plot with Zero Voids Band Superimposed For Route 63, Callaway County

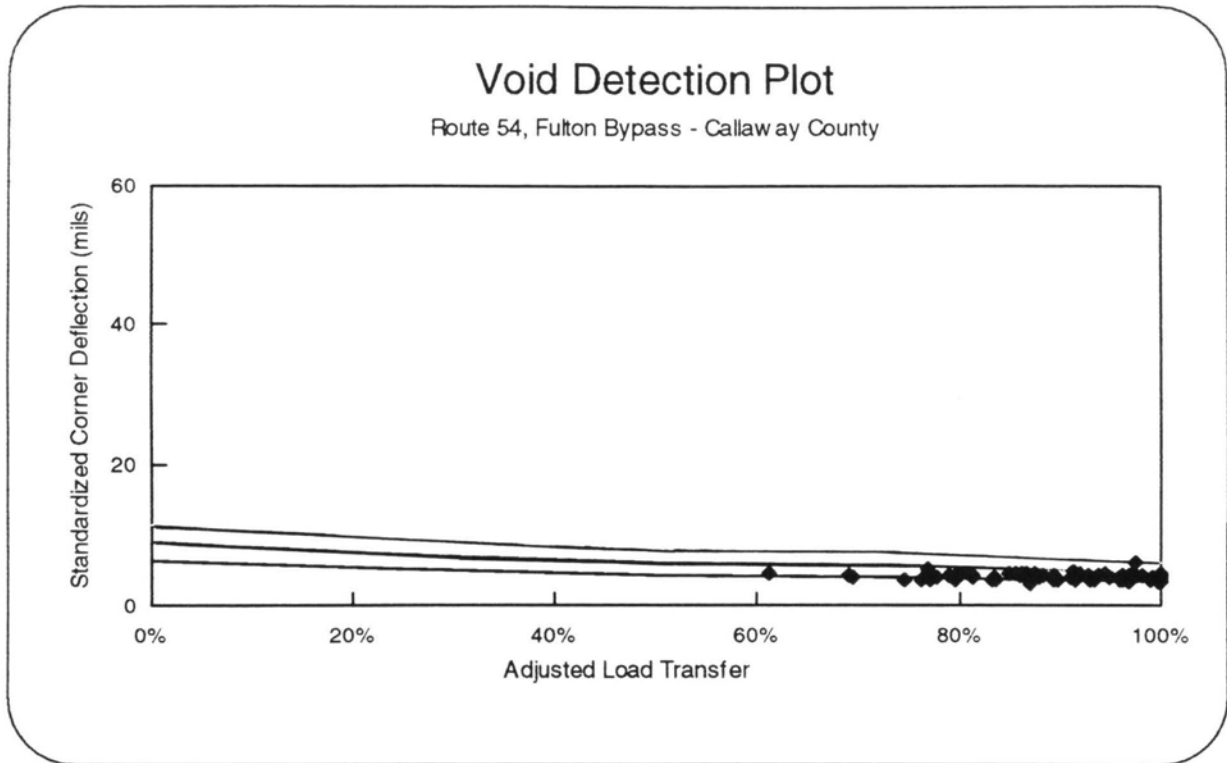


Figure 31 Void Detection Plot with Zero Voids Band Superimposed For Route 54, Fulton Bypass, Callaway County

Completion of NCHRP Project 1-21 Procedure

The remainder of the NCHRP Project 1-21 method involves constructing void size lines on the void detection plot to estimate the size of all voids and the amount of grout undersealing needed for each joint. Due to the fact that the data points for both pavements fell within or nearly within the zero voids band, this part of the method is unnecessary.

CONCLUSION

In review, the objective of this study was to use the FWD to analyze and compare the old and new pavement designs. The specific attributes that were researched included the joint load transfer efficiency and slab support.

Of the three pavements representing the new design, Route 63, Callaway County, and the Fulton Bypass are similar to Route 54, Callaway County, with 12 inch pavement thickness, non-reinforced PCC pavement and 15 foot joint spacing. One difference is the loading repetitions: Route 63 has 114,000, Fulton Bypass has 511,000, while Route 54, Callaway has 399,000. Another difference is the base type: Route 63 has a two foot rock fill, and both Route 54 pavements have four inch Type 3 aggregate base.

All four pavements exhibited low center deflections and high deflection basin areas which signify structurally strong pavement. The plots are shown in **Figures 1 through 8**.

The normalized corner deflections are similar for all pavements. The plots are shown in **Figures 9 through 12**.

The most surprising difference between the pavements is shown in **Figures 15 through 18**. The load transfer of Route 54, Callaway County, is greatly varied and often drops below the 70% lower guideline for high load transfer (4) (75% is the lower limit for good load transfer according to the National Highway Institute's Training Course on Pavement Deflection Analysis (5)). The Route 54, Audrain County, pavement has a much higher average joint load transfer and is much more consistent (the values have a much smaller range of variation). The pavements on Route 63, Callaway County, and the Fulton Bypass displayed good load transfer values as shown in Figures 17 and 18. Most of the values were above 70%, with the majority exceeding

90%. This suggests that the 15' joint spacing is not at fault for the poor load transfer values on Route 54, Callaway County.

According to the Highway Institute's Training Course (5), load transfer is affected by aggregate interlock, subbase/subgrade support, load transfer devices, and temperature.

All of the pavement temperatures fall within the 50 to 70-80°F surface temperature guideline (4), with the exception of the 90°F pavement temperature for the Fulton Bypass. Pavement within the suggested temperature range is less likely to be affected by slab curl or joint lockup, in addition the joint width will be greater thus minimizing the effect of aggregate interlock in the fractured surface below the saw cut. FWD testing within the temperature guidelines increases the accuracy of the joint load transfer efficiency values.

All pavements have similar dowel bars as load transfer devices. Pavements with dowel bars generally show good load transfer until looseness of the dowel bars occurs through loading repetitions (5). Three of the four pavements have similar loading repetitions, therefore, the dowel bars should be in comparable conditions. The similarity in condition rules out looseness of the dowel bars as the cause for the differences between load transfer for the pavements.

The only factor left to consider is the subgrade/subbase support. According to the Void Estimation Procedure, none of the pavements contain any voids. Soil surveys report similar soil types (ASTM Classification CL). The only noticeable difference between the Route 54, Callaway project subgrade and the other three is the amount of moisture that could possibly be held beneath the roadway.

According to Missouri Climatological Data, July 1993, the Route 54, Callaway County, job site received 10.2 inches of rain from July 1 to July 16. Most of the paving was completed

between July 19 and 30). The Route 54, Audrain County, job was paved on June 29, with only 2.08 inches of rain in the two weeks prior to paving. The Route 63, Callaway County project received only 0.78" of rain in the 2 weeks prior to paving on October 4. Likewise, the Fulton Bypass had just 0.95" of rain from July 27 to August 9, 1994. ASTM Classification CL soil is very poorly drained, which leads to the assumption that the poor load transfer on Route 54, Callaway County, could be due to the saturated subgrade beneath the roadway at the time of construction.

The other possible reason for the poor load transfer on Route 54, Callaway County, is also related to a saturated subgrade. In **Figure 19**, the load transfer and cut and fill are both plotted vs. station. There is a coincidence between cuts and low load transfer. This could be caused by a very shallow water table saturating the subgrade in the cut areas (6).

RECOMMENDATIONS

The data analysis shows that the 15' joint spacing is not the sole reason for poor load transfer. The Route 54, Callaway County, pavement has poor load transfer values while the Route 63, Callaway County, and Fulton Bypass pavements exhibit good joint load transfer efficiency.

The saturated subgrade of the Route 54, Callaway County, pavement as discussed in the CONCLUSION is still an explanation for the poor load transfer values of that project. Research into the effects of subgrade moisture and/or drainable bases on pavement performance is recommended.

REFERENCES

- (1) *AASHTO Guide for Design of Pavement Structures*. American Association of State Highway and Transportation Officials, Washington, DC., 1993.
- (2) Crovetto, J. A., and M. I. Darter, "Void Detection for Jointed Concrete Pavements," *Transportation Research Record* 1041, 1985.
- (3) *SHRP Manual for FWD Testing in the Long-Term Pavement Performance Program*, Strategic Highway Research Program, National Research Council. Washington, D. C., 1993.
- (4) Crovetto, J. A., and M. I. Darter, "Void Detection Procedure," *NCHRP Project 1-21 Appendix C*, National Cooperative Highway Research Program, Transportation Research Board, National Research Council, Department of Civil Engineering, University of Illinois at Urbana-Champaign, 1985.
- (5) *National Highway Institute FHWA Backcalculation Training Course Manual*. Athens, Ohio, October 1993.
- (6) Personal Interview with Warren Zeller, Senior Materials Research Engineer, Jefferson City, MO, April 1996.

APPENDIX A

Center Deflection Values

Miles.ft	STATION	Log Miles	LOAD	d0	d8	d12	d18	d24	d36	d60	Calculated Values			
											Normalized			
											B	AREA	d0- 9000#	Eslab
		in	in mils											
4.2082	232 + 00	13.66958	10192	1.72	1.61	1.45	1.34	1.23	0.97	0.53				
			10176	1.72	1.57	1.45	1.34	1.23	0.97	0.53				
			10152	1.67	1.57	1.45	1.34	1.19	0.93	0.53				
	AVE		10173	1.70	1.58	1.45	1.34	1.22	0.96	0.53	1.17	28.16	1.51	3.70E+06
4.1872	229 + 90	13.70935	10216	1.14	1.00	0.96	0.85	0.76	0.57	0.32				
			10200	1.14	1.04	0.96	0.89	0.80	0.57	0.36				
			10200	1.14	1.04	0.96	0.85	0.76	0.57	0.32				
	AVE		10205	1.14	1.03	0.96	0.86	0.77	0.57	0.33	1.19	27.25	1.01	3.00E+06
4.1675	227 + 93	13.74666	10232	1.51	1.37	1.29	1.22	1.07	0.89	0.53				
			10200	1.51	1.37	1.29	1.22	1.07	0.89	0.53				
			10208	1.51	1.37	1.29	1.18	1.07	0.89	0.53				
	AVE		10213	1.51	1.37	1.29	1.21	1.07	0.89	0.53	1.17	28.29	1.33	4.05E+06
4.1467	225 + 85	13.78605	10152	1.76	1.61	1.50	1.38	1.23	1.01	0.61				
			10152	1.76	1.61	1.50	1.38	1.23	1.01	0.61				
			10144	1.76	1.61	1.50	1.38	1.27	1.05	0.61				
	AVE		10149	1.76	1.61	1.50	1.38	1.24	1.02	0.61	1.17	28.19	1.56	3.70E+06
4.1274	223 + 92	13.82261	10120	2.29	2.21	2.20	2.12	1.99	1.78	1.33				
			10096	2.37	2.25	2.20	2.12	2.03	1.82	1.41				
			10096	2.29	2.21	2.16	2.07	1.99	1.78	1.37				
	AVE		10104	2.32	2.22	2.19	2.10	2.00	1.79	1.37	1.06	32.35	2.06	7.00E+06
4.1066	221 + 84	13.862	10088	2.16	2.09	1.99	1.91	1.83	1.62	1.17				
			10088	2.21	2.13	2.04	1.95	1.87	1.66	1.25				
			10056	2.16	2.09	1.99	1.91	1.79	1.62	1.17				
	AVE		10077	2.18	2.10	2.01	1.92	1.83	1.63	1.20	1.08	31.65	1.94	7.00E+06
4.0857	219 + 75	13.90158	10224	1.67	1.57	1.50	1.42	1.35	1.18	0.85				
			10208	1.67	1.57	1.50	1.42	1.31	1.18	0.85				
			10208	1.67	1.57	1.50	1.42	1.35	1.18	0.85				
	AVE		10213	1.67	1.57	1.50	1.42	1.34	1.18	0.85	1.11	30.62	1.47	7.00E+06
4.0696	218 + 14	13.93208	10200	1.80	1.69	1.62	1.51	1.35	1.13	0.77				
			10184	1.76	1.65	1.58	1.46	1.35	1.13	0.77				
			10176	1.80	1.65	1.62	1.46	1.35	1.13	0.77				
	AVE		10187	1.79	1.66	1.61	1.48	1.35	1.13	0.77	1.11	29.65	1.58	4.63E+06
4.0499	216 + 17	13.96939	10208	2.16	2.05	1.99	1.87	1.79	1.50	1.05				
			10200	2.12	2.05	1.99	1.87	1.79	1.50	1.05				
			10176	2.16	2.09	1.99	1.91	1.79	1.50	1.05				
	AVE		10195	2.15	2.06	1.99	1.88	1.79	1.50	1.05	1.08	31.32	1.90	7.00E+06
4.0272	213 + 90	14.01238	10304	1.39	1.24	1.20	1.06	0.96	0.73	0.36				
			10320	1.39	1.24	1.16	1.06	0.96	0.73	0.36				
			10304	1.39	1.24	1.16	1.06	0.96	0.73	0.36				
	AVE		10309	1.39	1.24	1.17	1.06	0.96	0.73	0.36	1.18	27.57	1.21	3.18E+06
4.0076	211 + 94	14.0495	10368	1.96	1.85	1.83	1.71	1.63	1.42	1.05				
			10336	2.00	1.85	1.83	1.71	1.63	1.42	1.05				
			10344	1.96	1.85	1.83	1.75	1.63	1.38	1.05				
	AVE		10349	1.97	1.85	1.83	1.72	1.63	1.41	1.05	1.08	31.32	1.72	7.00E+06
3.3799	196 + 37	14.34439	10184	2.25	2.05	1.99	1.83	1.67	1.42	0.93				
			10112	2.25	2.05	1.95	1.83	1.67	1.38	0.93				
			10120	2.25	2.09	1.99	1.87	1.71	1.42	0.93				
	AVE		10139	2.25	2.06	1.98	1.84	1.68	1.41	0.93	1.14	29.27	2.00	4.05E+06

Miles ft	STATION	Log Miles	LOAD	d0 0"	d8 8"	d12 12"	d18 18"	d24 24"	d36 36"	d60 60"	Calculated Values			
											Normalized			
											B	AREA	d0- 9000# in	Eslab in mils
3.3598	194 +36	14.38245	9936	2.98	2.85	2.78	2.60	2.47	2.11	1.41	1.08	31.23	2.73	4.63E+06
			9944	3.06	2.93	2.83	2.68	2.51	2.19	1.45				
			9944	3.02	2.89	2.78	2.64	2.47	2.11	1.41				
			9941	3.02	2.89	2.80	2.64	2.48	2.14	1.42				
3.3352	191 +90	14.42905	10000	3.43	3.21	3.12	3.01	2.83	2.43	1.66	1.10	31.06	3.09	4.05E+06
			10032	3.43	3.21	3.12	3.05	2.87	2.43	1.66				
			10048	3.47	3.21	3.12	3.05	2.87	2.43	1.66				
			10027	3.44	3.21	3.12	3.04	2.86	2.43	1.66				
3.3092	189 +30	14.47829	9952	3.47	3.33	3.28	3.17	3.03	2.63	1.90	1.06	32.37	3.15	5.79E+06
			9952	3.51	3.37	3.28	3.17	3.03	2.67	1.90				
			9928	3.47	3.33	3.32	3.17	3.06	2.63	1.90				
			9944	3.48	3.34	3.29	3.17	3.04	2.64	1.90				
3.3088	189 +26	14.47905	10288	2.53	2.37	2.29	2.16	1.99	1.70	1.09	1.11	30.13	2.22	4.63E+06
			10232	2.53	2.37	2.24	2.12	1.95	1.66	1.05				
			10248	2.53	2.33	2.29	2.12	1.99	1.66	1.05				
			10256	2.53	2.36	2.27	2.13	1.98	1.67	1.06				
3.2981	188 +19	14.49931	10400	3.35	3.17	3.03	2.85	2.67	2.19	1.37	1.12	30.24	2.90	3.00E+06
			10400	3.35	3.17	2.99	2.85	2.67	2.19	1.37				
			10368	3.35	3.17	2.99	2.81	2.67	2.19	1.41				
			10389	3.35	3.17	3.00	2.84	2.67	2.19	1.38				
3.2877	187 +15	14.51901	10440	2.29	2.13	2.12	1.95	1.79	1.50	0.97	1.08	30.45	1.98	5.79E+06
			10400	2.29	2.13	2.12	1.95	1.79	1.54	0.97				
			10432	2.29	2.13	2.12	1.91	1.79	1.50	1.01				
			10424	2.29	2.13	2.12	1.94	1.79	1.51	0.98				
3.2750	185 +88	14.54306	10312	2.37	2.29	2.20	2.07	1.95	1.66	1.17	1.08	31.27	2.05	6.08E+06
			10184	2.33	2.25	2.16	2.03	1.91	1.66	1.13				
			10120	2.29	2.25	2.12	2.03	1.91	1.62	1.13				
			10205	2.33	2.26	2.16	2.04	1.92	1.65	1.14				
3.2576	184 +14	14.57602	10128	2.53	2.37	2.33	2.16	1.99	1.70	1.13	1.09	30.56	2.24	4.63E+06
			10136	2.53	2.33	2.29	2.16	1.99	1.70	1.09				
			10112	2.49	2.33	2.29	2.16	1.99	1.74	1.09				
			10125	2.52	2.34	2.30	2.16	1.99	1.71	1.10				
3.1929	177 +67	14.69855	10120	2.41	2.29	2.24	2.12	1.99	1.70	1.21	1.08	31.43	2.13	6.08E+06
			10184	2.41	2.25	2.24	2.12	2.03	1.70	1.21				
			10184	2.41	2.25	2.24	2.12	2.03	1.70	1.21				
			10163	2.41	2.26	2.24	2.12	2.02	1.70	1.21				
3.1899	177 +37	14.70423	10224	2.53	2.41	2.33	2.24	2.07	1.78	1.21	1.08	31.28	2.23	6.08E+06
			10208	2.53	2.41	2.33	2.24	2.11	1.78	1.21				
			10264	2.53	2.45	2.37	2.24	2.11	1.78	1.21				
			10232	2.53	2.42	2.34	2.24	2.10	1.78	1.21				
3.1718	175 +56	14.73852	10160	2.33	2.25	2.16	2.03	1.95	1.66	1.21	1.08	31.34	2.07	4.63E+06
			10168	2.33	2.25	2.16	2.07	1.91	1.70	1.21				
			10136	2.33	2.21	2.16	2.03	1.91	1.66	1.21				
			10155	2.33	2.24	2.16	2.04	1.92	1.67	1.21				

Miles.ft	STATION	Log Miles	LOAD	d0 0"	d8 8"	d12 12"	d18 18"	d24 24"	d36 36"	d60 60"	Calculated Values			
											B	AREA in	Normalized d0- 9000# in mits	Eslab
3.1612	174 +50	14.75859	10088	2.70	2.57	2.45	2.32	2.15	1.82	1.25	1.09	30.63	2.41	4.63E+06
			10152	2.70	2.57	2.49	2.32	2.15	1.82	1.25				
			10112	2.74	2.61	2.53	2.36	2.19	1.86	1.29				
			10117	2.71	2.58	2.49	2.33	2.16	1.83	1.26				
3.1507	173 +45	14.77848	10080	2.53	2.41	2.33	2.20	2.03	1.74	1.25	1.09	30.81	2.26	4.63E+06
			10088	2.53	2.37	2.33	2.16	2.03	1.74	1.25				
			10080	2.53	2.41	2.33	2.16	2.03	1.74	1.25				
			10083	2.53	2.40	2.33	2.17	2.03	1.74	1.25				
3.1416	172 +54	14.79571	10056	2.25	2.13	2.08	1.91	1.79	1.50	1.17	1.09	30.63	2.04	5.21E+06
			10088	2.29	2.17	2.12	1.95	1.83	1.54	1.21				
			10056	2.29	2.13	2.08	1.91	1.83	1.54	1.17				
			10067	2.28	2.14	2.09	1.92	1.82	1.53	1.18				
3.1311	171 +49	14.8156	10016	2.41	2.21	2.16	2.03	1.91	1.62	1.09	1.12	30.20	2.17	4.63E+06
			9984	2.41	2.21	2.12	2.03	1.91	1.62	1.09				
			10016	2.41	2.21	2.16	2.03	1.91	1.58	1.09				
			10005	2.41	2.21	2.15	2.03	1.91	1.61	1.09				
3.1207	170 +45	14.8353	10072	2.41	2.29	2.20	2.12	1.91	1.62	1.05	1.08	30.83	2.15	5.79E+06
			10032	2.41	2.29	2.24	2.12	1.95	1.66	1.09				
			10096	2.41	2.29	2.24	2.12	1.95	1.66	1.09				
			10067	2.41	2.29	2.23	2.12	1.94	1.65	1.08				
3.1116	169 +54	14.85253	9976	3.35	3.13	3.03	2.85	2.63	2.23	1.41	1.11	30.24	3.04	3.47E+06
			9984	3.35	3.13	3.03	2.85	2.63	2.19	1.41				
			9928	3.39	3.17	3.07	2.89	2.67	2.23	1.45				
			9963	3.36	3.14	3.04	2.86	2.64	2.22	1.42				
3.1012	168 +50	14.87223	10072	2.82	2.69	2.58	2.44	2.23	1.86	1.21	1.09	30.43	2.53	4.63E+06
			10000	2.82	2.65	2.58	2.40	2.23	1.82	1.21				
			10080	2.82	2.69	2.62	2.44	2.23	1.82	1.21				
			10051	2.82	2.68	2.59	2.43	2.23	1.83	1.21				
3.0921	167 +59	14.88946	10048	2.86	2.77	2.66	2.56	2.43	2.11	1.58	1.07	31.90	2.57	6.08E+06
			10000	2.86	2.77	2.66	2.56	2.43	2.11	1.58				
			10056	2.86	2.77	2.70	2.56	2.47	2.11	1.62				
			10035	2.86	2.77	2.67	2.56	2.44	2.11	1.59				
3.0726	165 +64	14.92639	10008	2.65	2.49	2.37	2.28	2.11	1.78	1.25	1.12	30.38	2.37	4.63E+06
			10080	2.65	2.49	2.37	2.24	2.11	1.82	1.29				
			10072	2.65	2.49	2.37	2.28	2.11	1.82	1.25				
			10053	2.65	2.49	2.37	2.27	2.11	1.81	1.26				
3.0531	163 +69	14.96333	10240	2.49	2.37	2.29	2.16	1.99	1.70	1.17	1.10	30.53	2.20	4.63E+06
			10120	2.49	2.37	2.24	2.12	1.99	1.70	1.17				
			10192	2.49	2.37	2.24	2.12	1.99	1.66	1.17				
			10184	2.49	2.37	2.26	2.13	1.99	1.69	1.17				
3.0380	162 +18	14.99192	10120	2.53	2.41	2.29	2.16	2.07	1.78	1.25	1.09	31.03	2.24	4.92E+06
			10120	2.49	2.37	2.29	2.16	2.07	1.78	1.25				
			10256	2.57	2.45	2.37	2.20	2.07	1.78	1.29				
			10165	2.53	2.41	2.32	2.17	2.07	1.78	1.26				
3.0335	161 +73	15.00045	10064	2.65	2.45	2.37	2.24	2.07	1.82	1.37	1.11	30.44	2.37	4.63E+06
			10104	2.65	2.45	2.41	2.24	2.15	1.78	1.37				
			10064	2.65	2.45	2.37	2.24	2.11	1.82	1.37				
			10077	2.65	2.45	2.38	2.24	2.11	1.81	1.37				

Miles.ft	STATION	Log Miles	LOAD	d0 0"	d8 8"	d12 12"	d18 18"	d24 24"	d36 36"	d60 60"	Calculated Values			
											Normalized			
											B	AREA in	d0- 9000# in mils	Eslab
3.0276	161 + 14	15.01162	10176	2.57	2.45	2.37	2.24	2.11	1.82	1.33	1.08	31.25	2.30	5.79E+06
			10136	2.61	2.49	2.41	2.24	2.15	1.86	1.29				
			10144	2.61	2.49	2.41	2.28	2.15	1.90	1.29				
			AVE	10152	2.60	2.48	2.40	2.25	2.14	1.86				
3.0081	159 + 19	15.04855	9952	2.70	2.53	2.45	2.32	2.19	1.86	1.33	1.10	30.84	2.44	5.21E+06
			9984	2.70	2.57	2.45	2.36	2.23	1.90	1.45				
			9960	2.70	2.53	2.45	2.32	2.19	1.86	1.37				
			AVE	9965	2.70	2.54	2.45	2.33	2.20	1.87				
2.5170	157 + 28	15.08473	10288	2.70	2.57	2.49	2.40	2.27	1.99	1.41	1.08	31.68	2.36	6.08E+06
			10216	2.65	2.53	2.49	2.36	2.23	1.99	1.41				
			10216	2.70	2.57	2.49	2.40	2.27	1.99	1.45				
			AVE	10240	2.68	2.56	2.49	2.39	2.26	1.99				
2.4956	155 + 14	15.12526	10112	2.65	2.49	2.45	2.28	2.15	1.78	1.21	1.09	30.74	2.36	6.08E+06
			10096	2.65	2.49	2.41	2.28	2.11	1.82	1.17				
			10064	2.65	2.49	2.41	2.28	2.15	1.82	1.21				
			AVE	10091	2.65	2.49	2.42	2.28	2.14	1.81				
2.4762	153 + 20	15.162	10160	3.14	3.01	2.95	2.81	2.67	2.27	1.58	1.06	31.82	2.78	5.50E+07
			10176	3.14	3.01	2.95	2.81	2.67	2.27	1.58				
			10168	3.14	2.97	2.95	2.81	2.67	2.27	1.54				
			AVE	10168	3.14	3.00	2.95	2.81	2.67	2.27				
2.4566	151 + 24	15.19912	10000	2.57	2.41	2.33	2.20	2.07	1.74	1.17	1.08	30.98	2.30	4.92E+06
			10040	2.53	2.41	2.37	2.20	2.07	1.74	1.17				
			10112	2.61	2.53	2.41	2.28	2.15	1.82	1.25				
			AVE	10051	2.57	2.45	2.37	2.23	2.10	1.77				
2.4417	149 + 75	15.22734	10152	2.98	2.89	2.83	2.64	2.47	2.11	1.41	1.06	31.44	2.66	5.79E+06
			10128	3.02	2.89	2.83	2.68	2.47	2.15	1.41				
			10048	2.98	2.89	2.78	2.64	2.47	2.11	1.41				
			AVE	10109	2.99	2.89	2.81	2.65	2.47	2.12				
2.4505	150 + 63	15.21067	10456	2.90	2.77	2.70	2.48	2.31	1.94	1.29	1.08	30.67	2.51	3.47E+06
			10424	2.90	2.73	2.66	2.48	2.31	1.99	1.29				
			10368	2.90	2.73	2.66	2.48	2.31	1.94	1.29				
			AVE	10416	2.90	2.74	2.67	2.48	2.31	1.96				
2.4462	150 + 20	15.21882	10248	2.78	2.65	2.62	2.48	2.31	2.03	1.29	1.06	31.67	2.43	6.08E+06
			10264	2.78	2.69	2.62	2.48	2.31	1.99	1.29				
			10192	2.74	2.65	2.58	2.44	2.31	1.99	1.29				
			AVE	10235	2.77	2.66	2.61	2.47	2.31	2.00				
2.4416	149 + 74	15.22753	10168	2.98	2.81	2.74	2.60	2.47	2.07	1.37	1.08	31.28	2.64	4.92E+06
			10144	2.98	2.85	2.74	2.60	2.47	2.07	1.37				
			10216	2.98	2.85	2.78	2.64	2.51	2.11	1.41				
			AVE	10176	2.98	2.84	2.75	2.61	2.48	2.08				
2.4355	149 + 13	15.23908	10216	2.49	2.37	2.33	2.20	2.07	1.78	1.25	1.07	31.27	2.20	6.08E+06
			10208	2.49	2.37	2.33	2.16	2.03	1.78	1.29				
			10104	2.49	2.33	2.29	2.16	2.03	1.74	1.25				
			AVE	10176	2.49	2.36	2.32	2.17	2.04	1.77				

Miles.ft	STATION	Log Miles	LOAD	d0	d8	d12	d18	d24	d36	d60	Calculated Values			
											Normalized			
											B	AREA	d0- 9000#	Esiab
		in	in mils											
2.4266	148 +24	15.25594	10192	2.45	2.29	2.20	2.12	1.95	1.66	1.13				
			10192	2.49	2.33	2.24	2.16	1.99	1.70	1.17				
			10104	2.41	2.25	2.20	2.07	1.95	1.66	1.13				
	AVE		10163	2.45	2.29	2.21	2.12	1.96	1.67	1.14	1.11	30.56	2.17	4.05E+06
2.4160	147 +18	15.27602	10144	2.41	2.33	2.24	2.12	1.99	1.66	1.17				
			10072	2.41	2.33	2.24	2.12	1.99	1.70	1.21				
			10096	2.45	2.33	2.24	2.12	1.99	1.70	1.21				
	AVE		10104	2.42	2.33	2.24	2.12	1.99	1.69	1.20	1.08	31.12	2.16	6.08E+06
2.4054	146 +12	15.29609	10144	2.41	2.29	2.20	2.07	1.95	1.70	1.25				
			10152	2.41	2.29	2.20	2.12	1.99	1.70	1.25				
			10168	2.41	2.33	2.24	2.12	1.99	1.70	1.25				
	AVE		10155	2.41	2.30	2.21	2.10	1.98	1.70	1.25	1.09	31.10	2.14	6.08E+06
2.3965	145 +23	15.31295	10104	3.76	3.57	3.41	3.25	3.03	2.55	1.62				
			10160	3.84	3.61	3.49	3.34	3.06	2.59	1.66				
			10136	3.76	3.57	3.45	3.25	3.03	2.55	1.62				
	AVE		10133	3.79	3.58	3.45	3.28	3.04	2.56	1.63	1.10	30.63	3.36	3.00E+06
2.3755	143 +13	15.35272	10192	2.61	2.49	2.45	2.28	2.19	1.78	1.25				
			10160	2.61	2.49	2.41	2.28	2.15	1.78	1.25				
			10168	2.61	2.53	2.45	2.32	2.15	1.86	1.25				
	AVE		10173	2.61	2.50	2.44	2.29	2.16	1.81	1.25	1.07	31.30	2.31	6.08E+06
2.3668	142 +26	15.3692	10176	3.55	3.37	3.28	3.13	2.99	2.55	1.78				
			10160	3.55	3.41	3.28	3.17	2.99	2.59	1.78				
			10072	3.55	3.33	3.24	3.09	2.99	2.55	1.78				
	AVE		10136	3.55	3.37	3.27	3.13	2.99	2.56	1.78	1.09	31.48	3.15	4.63E+06
2.3560	141 +18	15.38965	10104	3.23	3.05	2.95	2.77	2.59	2.15	1.37				
			10120	3.23	3.05	2.91	2.73	2.55	2.15	1.41				
			10112	3.23	3.05	2.95	2.77	2.59	2.15	1.41				
	AVE		10112	3.23	3.05	2.94	2.76	2.58	2.15	1.40	1.10	30.48	2.87	3.76E+06
2.3455	140 +13	15.40954	10104	2.61	2.45	2.33	2.20	2.03	1.74	1.17				
			10088	2.61	2.45	2.37	2.20	2.07	1.74	1.21				
			10120	2.61	2.45	2.37	2.20	2.07	1.74	1.17				
	AVE		10104	2.61	2.45	2.36	2.20	2.06	1.74	1.18	1.11	30.29	2.32	4.63E+06
2.3364	139 +22	15.42677	10064	2.57	2.41	2.29	2.16	1.99	1.66	1.13				
			10072	2.57	2.41	2.29	2.16	1.99	1.66	1.17				
			10088	2.57	2.41	2.29	2.16	1.99	1.66	1.13				
	AVE		10075	2.57	2.41	2.29	2.16	1.99	1.66	1.14	1.12	29.86	2.30	3.76E+06
2.3154	137 +12	15.46655	10152	3.43	3.29	3.20	3.05	2.91	2.47	1.74				
			10200	3.43	3.29	3.16	3.01	2.83	2.47	1.70				
			10160	3.43	3.29	3.20	3.05	2.87	2.47	1.70				
	AVE		10171	3.43	3.29	3.19	3.04	2.87	2.47	1.71	1.08	31.51	3.04	5.21E+06
2.3064	136 +22	15.48359	10112	2.41	2.29	2.20	2.07	1.95	1.66	1.13				
			10088	2.41	2.29	2.24	2.07	1.95	1.66	1.17				
			10088	2.45	2.29	2.20	2.07	1.95	1.66	1.13				
	AVE		10096	2.42	2.29	2.21	2.07	1.95	1.66	1.14	1.09	30.73	2.16	5.79E+06
2.2958	135 +16	15.50367	10096	2.61	2.53	2.41	2.28	2.19	1.82	1.21				
			10096	2.61	2.53	2.41	2.28	2.19	1.82	1.21				
			10016	2.65	2.57	2.41	2.32	2.19	1.82	1.29				
	AVE		10069	2.62	2.54	2.41	2.29	2.19	1.82	1.24	1.09	31.20	2.34	5.79E+06

Miles.ft	STATION	Log Miles	LOAD	d0 0"	d8 8"	d12 12"	d18 18"	d24 24"	d36 36"	d60 60"	Calculated Values			
											Normalized			
											B	AREA in	d0- 9000# in mils	Eslab
2.2853	134 + 11	15.52355	10096	2.29	2.21	2.12	2.03	1.95	1.66	1.29				
			10056	2.29	2.21	2.16	2.03	1.99	1.70	1.29				
			10056	2.29	2.21	2.16	2.07	1.95	1.70	1.29				
	AVE		10069	2.29	2.21	2.15	2.04	1.96	1.69	1.29	1.07	31.96	2.05	7.00E+06
2.2763	133 + 21	15.5406	10104	2.49	2.37	2.33	2.16	2.03	1.74	1.21				
			10080	2.49	2.37	2.29	2.16	2.03	1.74	1.17				
			10072	2.49	2.37	2.29	2.20	2.03	1.74	1.21				
	AVE		10085	2.49	2.37	2.30	2.17	2.03	1.74	1.20	1.08	31.08	2.22	5.79E+06
2.2553	131 + 11	15.58037	10104	2.33	2.25	2.20	2.07	1.95	1.70	1.29				
			10120	2.33	2.25	2.16	2.07	1.95	1.70	1.25				
			9992	2.33	2.21	2.12	1.99	1.95	1.66	1.29				
	AVE		10072	2.33	2.24	2.16	2.04	1.95	1.69	1.28	1.08	31.51	2.08	6.37E+06
2.2433	129 + 91	15.6031	10032	2.41	2.29	2.20	2.12	1.95	1.74	1.25				
			10016	2.41	2.29	2.20	2.12	1.95	1.66	1.21				
			9992	2.41	2.33	2.20	2.12	1.99	1.66	1.21				
	AVE		10013	2.41	2.30	2.20	2.12	1.96	1.69	1.22	1.10	30.93	2.17	6.08E+06
2.2358	129 + 16	15.6173	10016	2.49	2.33	2.29	2.16	2.03	1.74	1.29				
			9984	2.49	2.29	2.24	2.12	1.99	1.70	1.25				
			10016	2.45	2.29	2.24	2.12	1.99	1.70	1.21				
	AVE		10005	2.48	2.30	2.26	2.13	2.00	1.71	1.25	1.10	30.79	2.23	5.21E+06
2.2251	128 + 09	15.63757	10000	2.33	2.29	2.16	2.07	1.91	1.66	1.21				
			10000	2.33	2.25	2.16	2.07	1.91	1.66	1.21				
			10008	2.33	2.25	2.16	2.03	1.91	1.66	1.21				
	AVE		10003	2.33	2.26	2.16	2.06	1.91	1.66	1.21	1.08	31.24	2.10	6.08E+06
2.2045	126 + 03	15.67658	10072	2.41	2.33	2.24	2.16	2.03	1.74	1.21				
			10072	2.41	2.33	2.24	2.16	2.03	1.74	1.21				
			10048	2.41	2.33	2.24	2.16	2.03	1.74	1.21				
	AVE		10064	2.41	2.33	2.24	2.16	2.03	1.74	1.21	1.08	31.59	2.16	6.94E+06
2.1843	124 + 01	15.71484	10088	2.33	2.21	2.16	2.03	1.87	1.62	1.17				
			10088	2.33	2.25	2.16	2.03	1.87	1.62	1.17				
			10008	2.33	2.21	2.12	2.03	1.87	1.58	1.17				
	AVE		10061	2.33	2.22	2.15	2.03	1.87	1.61	1.17	1.09	30.82	2.08	5.79E+06
2.1648	122 + 06	15.75177	9992	2.37	2.29	2.20	2.07	1.95	1.70	1.29				
			10000	2.37	2.29	2.20	2.12	1.99	1.70	1.29				
			9984	2.41	2.33	2.24	2.16	1.99	1.74	1.33				
	AVE		9992	2.38	2.30	2.21	2.12	1.98	1.71	1.30	1.08	31.41	2.15	6.08E+06
2.1544	121 + 02	15.77147	10032	2.41	2.25	2.24	2.07	1.99	1.70	1.33				
			10008	2.41	2.25	2.24	2.07	1.99	1.70	1.33				
			10040	2.41	2.25	2.20	2.07	1.99	1.70	1.33				
	AVE		10027	2.41	2.25	2.23	2.07	1.99	1.70	1.33	1.08	31.23	2.16	6.08E+06
2.1454	120 + 12	15.78852	10016	2.45	2.25	2.20	2.07	1.99	1.62	1.21				
			9936	2.41	2.25	2.20	2.07	1.95	1.66	1.17				
			10024	2.45	2.29	2.20	2.07	1.95	1.66	1.21				
	AVE		9992	2.44	2.26	2.20	2.07	1.96	1.65	1.20	1.11	30.56	2.19	4.05E+06

Miles.ft	STATION	Log Miles	LOAD	d0 0"	d8 8"	d12 12"	d18 18"	d24 24"	d36 36"	d60 60"	Calculated Values			
											Normalized			
											B	AREA	d0- 9000# in mls	Eslab
2.1261	118 +19	15.82507	10064	2.45	2.37	2.24	2.16	1.99	1.70	1.13	1.09	30.88	2.19	5.50E+06
			10080	2.45	2.37	2.24	2.16	1.99	1.70	1.13				
			10096	2.45	2.37	2.24	2.12	1.99	1.70	1.13				
	AVE		10080	2.45	2.37	2.24	2.15	1.99	1.70	1.13				
2.1005	115 +63	15.87355	10000	2.45	2.37	2.29	2.20	2.07	1.78	1.25	1.07	31.53	2.23	5.90E+06
			10048	2.49	2.37	2.33	2.20	2.07	1.74	1.25				
			9976	2.49	2.37	2.33	2.16	2.07	1.78	1.25				
	AVE		10008	2.48	2.37	2.32	2.19	2.07	1.77	1.25				
2.0797	113 +55	15.91295	10072	2.37	2.29	2.20	2.07	1.99	1.70	1.21	1.07	31.49	2.11	6.08E+06
			10080	2.37	2.29	2.20	2.07	1.95	1.70	1.17				
			10000	2.33	2.29	2.20	2.03	1.95	1.66	1.21				
	AVE		10051	2.36	2.29	2.20	2.06	1.96	1.69	1.20				
2.0648	112 + 06	15.94117	9888	2.16	2.05	1.99	1.87	1.75	1.50	1.05	1.10	30.80	1.97	5.79E+06
			9864	2.16	2.05	1.95	1.87	1.75	1.50	1.09				
			9848	2.16	2.09	1.95	1.87	1.75	1.50	1.05				
	AVE		9867	2.16	2.06	1.96	1.87	1.75	1.50	1.06				
2.0557	111 +15	15.9584	9856	2.29	2.21	2.12	1.95	1.87	1.58	1.21	1.07	31.34	2.07	6.94E+06
			9840	2.25	2.17	2.12	1.95	1.87	1.58	1.17				
			9864	2.25	2.17	2.12	1.95	1.87	1.58	1.21				
	AVE		9853	2.26	2.18	2.12	1.95	1.87	1.58	1.20				
2.0351	109 + 09	15.99742	9856	2.12	2.01	1.95	1.83	1.71	1.46	1.05	1.09	30.89	1.94	6.08E+06
			9840	2.12	2.05	1.95	1.87	1.75	1.50	1.09				
			9824	2.12	2.01	1.91	1.83	1.71	1.46	1.05				
	AVE		9840	2.12	2.02	1.94	1.84	1.72	1.47	1.06				
2.0196	107 +54	16.02677	9792	2.16	2.01	1.95	1.87	1.75	1.46	1.05	1.10	30.69	1.97	6.08E+06
			9792	2.16	2.01	1.95	1.87	1.75	1.46	1.01				
			9824	2.12	1.97	1.95	1.83	1.71	1.46	1.01				
	AVE		9803	2.15	2.00	1.95	1.86	1.74	1.46	1.02				
2.0133	106 +91	16.0387	9856	2.29	2.17	2.08	1.99	1.87	1.62	1.09	1.09	30.94	2.09	6.08E+06
			9840	2.29	2.17	2.08	1.95	1.87	1.58	1.09				
			9872	2.29	2.17	2.12	1.95	1.87	1.58	1.09				
	AVE		9856	2.29	2.17	2.09	1.96	1.87	1.59	1.09				
2.0103	106 +61	16.04439	9888	2.45	2.29	2.24	2.07	1.99	1.66	1.13	1.09	30.82	2.22	5.79E+06
			9888	2.45	2.29	2.24	2.12	1.99	1.66	1.09				
			9816	2.41	2.29	2.24	2.07	1.95	1.62	1.09				
	AVE		9864	2.44	2.29	2.24	2.09	1.98	1.65	1.10				
1.5235	105 +13	16.07242	9816	2.21	2.13	2.08	1.95	1.83	1.58	1.09	1.08	31.30	2.03	6.37E+06
			9824	2.21	2.13	2.04	1.91	1.83	1.54	1.09				
			9800	2.21	2.09	2.04	1.91	1.83	1.54	1.09				
	AVE		9813	2.21	2.12	2.05	1.92	1.83	1.55	1.09				
1.5023	103 + 01	16.11257	9872	2.57	2.45	2.41	2.28	2.15	1.82	1.29	1.08	31.42	2.35	5.79E+06
			9824	2.57	2.45	2.37	2.24	2.11	1.86	1.29				
			9832	2.57	2.45	2.37	2.28	2.15	1.86	1.29				
	AVE		9843	2.57	2.45	2.38	2.27	2.14	1.85	1.29				
1.4829	101 + 07	16.14931	9872	2.12	2.01	1.95	1.83	1.67	1.38	0.93	1.10	30.28	1.94	5.79E+06
			9848	2.12	2.01	1.91	1.79	1.67	1.42	0.93				
			9848	2.12	2.01	1.91	1.79	1.67	1.38	0.93				
	AVE		9856	2.12	2.01	1.92	1.80	1.67	1.39	0.93				

Miles ft	STATION	Log Miles	LOAD	d0 0"	d8 8"	d12 12"	d18 18"	d24 24"	d36 36"	d60 60"	Calculated Values			
											Normalized			
											B	AREA in	d0- 9000# in mils	Eslab
1.4638	99 + 16	16.18548	9896	2.08	1.93	1.83	1.71	1.59	1.38	0.97				
			9864	2.04	1.93	1.83	1.71	1.59	1.34	0.97				
			9840	2.08	1.93	1.83	1.75	1.59	1.34	0.97				
	AVE		9867	2.07	1.93	1.83	1.72	1.59	1.35	0.97	1.13	29.79	1.89	4.92E+06
1.4423	97 + 01	16.2262	9968	2.00	1.85	1.79	1.71	1.55	1.30	0.85				
			9904	2.00	1.85	1.79	1.71	1.55	1.30	0.85				
			9904	2.00	1.85	1.79	1.71	1.55	1.26	0.85				
	AVE		9925	2.00	1.85	1.79	1.71	1.55	1.29	0.85	1.12	29.90	1.81	5.21E+06
1.4274	95 + 52	16.25442	9920	2.08	1.93	1.87	1.75	1.67	1.42	0.93				
			9824	2.04	1.89	1.83	1.71	1.63	1.38	0.89				
			9872	2.04	1.89	1.83	1.71	1.63	1.38	0.89				
	AVE		9872	2.05	1.90	1.84	1.72	1.64	1.39	0.90	1.11	30.45	1.87	6.08E+06
1.4228	95 + 06	16.26314	9936	2.12	2.05	1.99	1.87	1.75	1.50	1.05				
			9904	2.08	2.01	1.91	1.83	1.71	1.46	1.01				
			9920	2.08	1.97	1.95	1.83	1.75	1.50	1.05				
	AVE		9920	2.09	2.01	1.95	1.84	1.74	1.49	1.04	1.07	31.39	1.90	7.00E+06
1.4082	93 + 60	16.29079	9888	2.29	2.17	2.12	1.95	1.91	1.62	1.21				
			9928	2.25	2.17	2.12	1.99	1.91	1.62	1.21				
			9912	2.29	2.17	2.12	1.99	1.87	1.62	1.21				
	AVE		9909	2.28	2.17	2.12	1.98	1.90	1.62	1.21	1.07	31.44	2.07	6.37E+06
1.3883	91 + 61	16.32848	9976	3.19	3.05	2.95	2.81	2.63	2.19	1.37				
			9960	3.19	3.05	2.95	2.81	2.59	2.19	1.37				
			9976	3.19	3.05	2.95	2.81	2.63	2.19	1.37				
	AVE		9971	3.19	3.05	2.95	2.81	2.62	2.19	1.37	1.08	31.06	2.88	4.05E+06
1.3823	91 + 01	16.33984	9808	2.78	2.65	2.53	2.40	2.23	1.90	1.25				
			9816	2.74	2.61	2.53	2.40	2.23	1.86	1.21				
			9784	2.74	2.61	2.49	2.36	2.23	1.86	1.21				
	AVE		9803	2.75	2.62	2.52	2.39	2.23	1.87	1.22	1.09	30.77	2.53	5.50E+06
1.3778	90 + 56	16.34836	9784	2.29	2.21	2.12	1.99	1.87	1.62	1.13				
			9808	2.29	2.21	2.12	1.99	1.87	1.62	1.13				
			9840	2.33	2.17	2.08	1.99	1.87	1.58	1.09				
	AVE		9811	2.30	2.20	2.11	1.99	1.87	1.61	1.12	1.09	30.90	2.11	5.84E+06
1.3672	89 + 50	16.36844	9832	2.16	2.01	1.95	1.87	1.75	1.50	1.09				
			9784	2.12	2.01	1.95	1.87	1.75	1.50	1.09				
			9784	2.16	2.01	1.95	1.87	1.75	1.50	1.09				
	AVE		9800	2.15	2.01	1.95	1.87	1.75	1.50	1.09	1.10	30.88	1.97	6.08E+06
1.3477	87 + 55	16.40537	9736	2.00	1.93	1.87	1.71	1.59	1.34	0.85				
			9816	2.04	1.93	1.87	1.75	1.63	1.34	0.85				
			9720	2.04	1.89	1.83	1.71	1.59	1.30	0.81				
	AVE		9757	2.03	1.92	1.86	1.72	1.60	1.33	0.84	1.09	30.41	1.87	6.08E+06
1.3267	85 + 45	16.44514	9744	2.37	2.25	2.20	2.07	1.95	1.66	1.21				
			9744	2.37	2.29	2.20	2.07	1.95	1.66	1.21				
			9688	2.41	2.29	2.24	2.16	1.99	1.70	1.25				
	AVE		9725	2.38	2.28	2.21	2.10	1.96	1.67	1.22	1.08	31.24	2.21	6.08E+06

Miles ft	STATION	Log Miles	LOAD	d0	d8	d12	d18	d24	d36	d60	Calculated Values			
											Normalized			
											B	AREA	d0- 9000#	Eslab
		in	in	in	in									
1.3222	85 + 00	16.45367	9792	2.78	2.65	2.58	2.44	2.35	2.03	1.45				
			9776	2.74	2.65	2.58	2.44	2.35	2.03	1.45				
			9736	2.74	2.65	2.58	2.44	2.31	2.03	1.41				
	AVE		9768	2.75	2.65	2.58	2.44	2.34	2.03	1.44	1.07	31.85	2.54	6.37E+06
1.3109	83 + 87	16.47507	9816	2.29	2.17	2.12	2.03	1.95	1.78	0.97				
			9808	2.29	2.17	2.12	2.03	1.91	1.74	0.97				
			9848	2.29	2.17	2.12	2.03	1.95	1.74	0.97				
	AVE		9824	2.29	2.17	2.12	2.03	1.94	1.75	0.97	1.08	31.85	2.10	7.00E+06
1.2980	82 + 58	16.4995	9872	1.92	1.89	1.83	1.71	1.59	1.34	0.93				
			9840	1.92	1.89	1.83	1.67	1.63	1.30	0.93				
			9824	1.92	1.89	1.83	1.67	1.63	1.30	0.93				
	AVE		9845	1.92	1.89	1.83	1.68	1.62	1.31	0.93	1.05	31.65	1.76	7.00E+06
1.2876	81 + 54	16.5192	9880	1.92	1.85	1.79	1.67	1.59	1.34	0.93				
			9824	1.92	1.85	1.79	1.67	1.55	1.34	0.93				
			9840	1.92	1.89	1.79	1.67	1.63	1.30	0.97				
	AVE		9848	1.92	1.86	1.79	1.67	1.59	1.33	0.94	1.07	31.27	1.75	7.00E+06
1.2816	80 + 94	16.53056	9784	2.25	2.17	2.04	1.95	1.79	1.50	1.05				
			9744	2.21	2.17	2.04	1.95	1.79	1.46	1.05				
			9760	2.21	2.13	1.99	1.95	1.79	1.46	1.05				
	AVE		9763	2.22	2.16	2.02	1.95	1.79	1.47	1.05	1.10	30.56	2.05	5.50E+06
1.2771	80 + 49	16.53908	9760	2.33	2.21	2.16	2.03	1.95	1.62	1.09				
			9736	2.33	2.21	2.16	2.03	1.91	1.62	1.09				
			9720	2.33	2.25	2.16	2.03	1.91	1.66	1.09				
	AVE		9739	2.33	2.22	2.16	2.03	1.92	1.63	1.09	1.08	31.24	2.15	6.37E+06
1.2726	80 + 04	16.54761	9720	2.21	2.09	1.99	1.91	1.79	1.54	1.05				
			9744	2.21	2.09	1.99	1.91	1.79	1.50	1.05				
			9688	2.21	2.05	1.99	1.87	1.79	1.50	1.05				
	AVE		9717	2.21	2.08	1.99	1.90	1.79	1.51	1.05	1.11	30.63	2.05	5.21E+06
1.2679	79 + 57	16.55651	9760	2.08	1.93	1.87	1.75	1.63	1.38	0.97				
			9736	2.04	1.93	1.83	1.75	1.63	1.38	0.97				
			9792	2.04	1.93	1.87	1.75	1.67	1.42	0.97				
	AVE		9763	2.05	1.93	1.86	1.75	1.64	1.39	0.97	1.11	30.53	1.89	6.08E+06
1.2575	78 + 53	16.5762	9776	2.12	1.97	1.91	1.79	1.67	1.46	1.01				
			9768	2.12	1.93	1.91	1.79	1.67	1.42	1.01				
			9696	2.12	1.97	1.87	1.79	1.67	1.42	1.01				
	AVE		9747	2.12	1.96	1.90	1.79	1.67	1.43	1.01	1.12	30.25	1.96	5.21E+06
1.2470	77 + 48	16.59609	9824	1.92	1.85	1.79	1.63	1.55	1.30	1.01				
			9784	1.88	1.81	1.74	1.63	1.55	1.30	1.01				
			9736	1.92	1.81	1.74	1.67	1.55	1.34	0.97				
	AVE		9781	1.91	1.82	1.76	1.64	1.55	1.31	1.00	1.09	30.94	1.75	7.00E+06
1.2379	76 + 57	16.61333	9760	2.00	1.93	1.87	1.79	1.67	1.46	1.05				
			9752	2.04	1.97	1.91	1.75	1.71	1.42	1.05				
			9704	2.00	1.93	1.87	1.75	1.71	1.42	1.05				
	AVE		9739	2.01	1.94	1.88	1.76	1.70	1.43	1.05	1.07	31.61	1.86	7.00E+06
1.2234	75 + 12	16.64079	9768	2.04	1.97	1.87	1.75	1.67	1.46	1.05				
			9784	2.08	1.97	1.91	1.79	1.67	1.46	1.09				
			9792	2.08	1.93	1.87	1.75	1.67	1.42	1.05				
	AVE		9781	2.07	1.96	1.88	1.76	1.67	1.45	1.06	1.10	30.83	1.90	6.13E+06

Miles.ft	STATION	Log Miles	LOAD	d0 0"	d8 8"	d12 12"	d18 18"	d24 24"	d36 36"	d60 60"	Calculated Values			
											Normalized			
											B	AREA	d0- 9000# in	Eslab in mils
1.2183	74 + 61	16.65045	9728	2.25	2.09	2.04	1.91	1.79	1.54	1.13				
			9744	2.21	2.05	2.04	1.87	1.75	1.50	1.13				
			9744	2.25	2.09	2.04	1.91	1.79	1.50	1.13				
			9739	2.24	2.08	2.04	1.90	1.78	1.51	1.13	1.10	30.54	2.07	5.21E+06
1.2080	73 + 58	16.66995	9744	2.08	2.01	1.91	1.83	1.75	1.50	1.05				
			9680	2.08	2.01	1.95	1.83	1.75	1.50	1.05				
			9736	2.08	2.01	1.91	1.83	1.75	1.46	1.05				
			9720	2.08	2.01	1.92	1.83	1.75	1.49	1.05	1.08	31.48	1.93	7.00E+06
1.1974	72 + 52	16.69003	9680	2.16	2.05	1.91	1.83	1.75	1.42	1.05				
			9720	2.16	2.05	1.95	1.87	1.75	1.50	1.05				
			9720	2.16	2.05	1.95	1.87	1.75	1.46	1.05				
			9707	2.16	2.05	1.94	1.86	1.75	1.46	1.05	1.12	30.54	2.00	4.05E+06
1.1929	72 + 07	16.69855	9736	2.29	2.17	2.12	1.99	1.91	1.62	1.17				
			9680	2.33	2.25	2.16	2.07	1.95	1.70	1.21				
			9736	2.29	2.17	2.12	1.99	1.91	1.62	1.17				
			9717	2.30	2.20	2.13	2.02	1.92	1.65	1.18	1.08	31.42	2.13	6.08E+06
1.2036	73 + 14	16.67829	9808	2.08	1.97	1.91	1.79	1.67	1.46	1.05				
			9800	2.08	1.93	1.87	1.79	1.67	1.46	1.01				
			9816	2.08	1.97	1.87	1.79	1.67	1.42	1.01				
			9808	2.08	1.96	1.88	1.79	1.67	1.45	1.02	1.10	30.67	1.91	6.08E+06
1.1931	72 + 09	16.69817	9792	2.37	2.21	2.16	2.03	1.91	1.66	1.13				
			9784	2.41	2.25	2.20	2.07	1.95	1.70	1.21				
			9824	2.37	2.21	2.16	2.07	1.91	1.66	1.17				
			9800	2.38	2.22	2.17	2.06	1.92	1.67	1.17	1.10	30.84	2.19	5.21E+06
1.1736	70 + 14	16.73511	9872	1.84	1.73	1.66	1.51	1.39	1.18	0.73				
			9848	1.84	1.77	1.66	1.55	1.43	1.22	0.81				
			9904	1.84	1.73	1.66	1.51	1.39	1.18	0.77				
			9875	1.84	1.74	1.66	1.52	1.40	1.19	0.77	1.11	29.87	1.68	5.21E+06
1.1530	68 + 08	16.77412	9776	1.72	1.65	1.54	1.46	1.39	1.18	0.81				
			9808	1.72	1.65	1.54	1.46	1.39	1.18	0.81				
			9776	1.72	1.61	1.54	1.46	1.39	1.13	0.81				
			9787	1.72	1.64	1.54	1.46	1.39	1.16	0.81	1.12	30.50	1.58	6.08E+06
1.1421	66 + 99	16.79477	9840	1.88	1.81	1.70	1.63	1.47	1.26	0.81				
			9832	1.88	1.81	1.70	1.63	1.51	1.26	0.81				
			9808	1.88	1.81	1.70	1.63	1.51	1.26	0.81				
			9827	1.88	1.81	1.70	1.63	1.50	1.26	0.81	1.11	30.43	1.72	6.08E+06
1.1330	66 + 08	16.812	9800	2.16	2.01	1.91	1.83	1.71	1.42	0.89				
			9744	2.16	1.97	1.91	1.79	1.71	1.38	0.89				
			9776	2.16	2.01	1.91	1.79	1.71	1.38	0.89				
			9773	2.16	2.00	1.91	1.80	1.71	1.39	0.89	1.13	29.98	1.99	4.63E+06
1.1225	65 + 03	16.83189	9736	2.12	1.97	1.95	1.83	1.71	1.46	1.09				
			9760	2.08	1.97	1.91	1.79	1.71	1.42	1.05				
			9744	2.08	1.93	1.91	1.79	1.67	1.38	1.05				
			9747	2.09	1.96	1.92	1.80	1.70	1.42	1.06	1.09	30.82	1.93	6.08E+06

Miles.ft	STATION	Log Miles	LOAD	d0 0"	d8 8"	d12 12"	d18 18"	d24 24"	d36 36"	d60 60"	Calculated Values			
											Normalized			
											B	AREA in	d0- 9000# in mils	Eslab
1.1120	63 +98	16.85177	9768	1.92	1.85	1.79	1.67	1.51	1.30	0.85				
			9800	1.92	1.85	1.79	1.67	1.51	1.26	0.85				
			9792	1.92	1.81	1.79	1.63	1.51	1.26	0.85				
	AVE		9787	1.92	1.84	1.79	1.66	1.51	1.27	0.85	1.07	30.60	1.77	6.08E+06
1.0926	62 + 04	16.88852	9760	2.16	2.05	1.95	1.87	1.75	1.46	0.97				
			9696	2.16	2.05	1.95	1.83	1.71	1.46	0.93				
			9744	2.16	2.05	1.95	1.83	1.71	1.46	0.93				
	AVE		9733	2.16	2.05	1.95	1.84	1.72	1.46	0.94	1.11	30.46	2.00	5.79E+06
1.0820	60 +98	16.90859	9696	2.21	2.09	1.99	1.91	1.79	1.54	1.09				
			9736	2.21	2.05	1.99	1.91	1.83	1.54	1.09				
			9744	2.21	2.05	1.99	1.91	1.83	1.50	1.09				
	AVE		9725	2.21	2.06	1.99	1.91	1.82	1.53	1.09	1.11	30.81	2.05	5.79E+06
1.0731	60 + 09	16.92545	9704	2.33	2.17	2.12	1.99	1.91	1.58	1.13				
			9768	2.29	2.17	2.12	1.99	1.91	1.58	1.09				
			9720	2.29	2.17	2.12	1.99	1.91	1.58	1.13				
	AVE		9731	2.30	2.17	2.12	1.99	1.91	1.58	1.12	1.09	31.11	2.13	6.08E+06
1.0518	57 +96	16.96579	9632	2.12	2.01	1.91	1.83	1.67	1.42	1.01				
			9688	2.12	2.01	1.91	1.83	1.71	1.42	0.97				
			9712	2.12	2.05	1.91	1.79	1.71	1.42	1.01				
	AVE		9677	2.12	2.02	1.91	1.82	1.70	1.42	1.00	1.11	30.43	1.97	5.79E+06
1.0473	57 +51	16.97431	9600	2.33	2.25	2.20	1.99	1.95	1.66	1.21				
			9568	2.33	2.21	2.16	2.03	1.91	1.66	1.17				
			9632	2.29	2.25	2.20	2.03	1.91	1.66	1.17				
	AVE		9600	2.32	2.24	2.19	2.02	1.92	1.66	1.18	1.06	31.59	2.17	6.37E+06
1.0368	56 +46	16.9942	9704	2.70	2.53	2.45	2.32	2.19	1.86	1.29				
			9624	2.65	2.53	2.45	2.32	2.19	1.86	1.29				
			9720	2.65	2.57	2.45	2.32	2.19	1.90	1.29				
	AVE		9683	2.67	2.54	2.45	2.32	2.19	1.87	1.29	1.09	31.10	2.48	5.21E+06
1.0216	54 +94	17.02298	9696	2.45	2.37	2.24	2.16	1.99	1.70	1.17				
			9664	2.45	2.37	2.24	2.12	1.99	1.70	1.17				
			9696	2.45	2.37	2.29	2.16	1.99	1.70	1.17				
	AVE		9685	2.45	2.37	2.26	2.15	1.99	1.70	1.17	1.09	30.96	2.28	5.79E+06
1.0066	53 +44	17.05139	9712	2.04	2.01	1.91	1.83	1.75	1.46	1.09				
			9664	2.04	1.97	1.91	1.83	1.71	1.50	1.13				
			9632	2.00	1.97	1.87	1.79	1.71	1.46	1.09				
	AVE		9669	2.03	1.98	1.90	1.82	1.72	1.47	1.10	1.07	31.80	1.89	5.21E+06
0.5197	51 +95	17.07961	9640	2.16	2.09	1.99	1.91	1.79	1.50	1.01				
			9704	2.16	2.09	1.99	1.87	1.83	1.50	1.01				
			9688	2.16	2.09	1.99	1.87	1.79	1.50	1.01				
	AVE		9677	2.16	2.09	1.99	1.88	1.80	1.50	1.01	1.09	31.24	2.01	6.37E+06
0.5051	50 +49	17.10727	9728	2.08	2.01	1.95	1.87	1.75	1.50	1.05				
			9704	2.08	2.01	1.95	1.83	1.75	1.50	1.05				
			9656	2.08	2.01	1.95	1.83	1.75	1.50	1.01				
	AVE		9696	2.08	2.01	1.95	1.84	1.75	1.50	1.04	1.07	31.67	1.93	7.00E+06
0.4958	49 +56	17.12488	9776	2.29	2.13	2.08	1.95	1.83	1.54	1.05				
			9736	2.25	2.17	2.08	1.95	1.83	1.54	1.05				
			9728	2.25	2.13	2.08	1.95	1.83	1.50	1.05				
	AVE		9747	2.26	2.14	2.08	1.95	1.83	1.53	1.05	1.09	30.78	2.09	5.79E+06

Miles.ft	STATION	Log Miles	LOAD	d0 0"	d8 8"	d12 12"	d18 18"	d24 24"	d36 36"	d60 60"	Calculated Values			
											Normalized			
											B	AREA	d0- 9000# in	Eslab in mils
0.4899	48 + 97	17.13605	9624	2.53	2.37	2.33	2.20	2.07	1.78	1.21	1.09	31.06	2.36	4.92E+06
			9560	2.53	2.37	2.33	2.20	2.07	1.78	1.21				
			9624	2.49	2.33	2.29	2.16	2.03	1.74	1.17				
			AVE	9603	2.52	2.36	2.32	2.19	2.06	1.77				
0.4854	48 + 52	17.14458	9696	2.45	2.37	2.29	2.16	2.03	1.74	1.21	1.07	31.49	2.28	5.84E+06
			9688	2.45	2.37	2.29	2.16	2.03	1.78	1.21				
			9656	2.45	2.37	2.29	2.20	2.03	1.78	1.21				
			AVE	9680	2.45	2.37	2.29	2.17	2.03	1.77				
0.4810	48 + 08	17.15291	9648	2.33	2.17	2.12	1.99	1.91	1.62	1.09	1.10	30.93	2.17	5.84E+06
			9688	2.33	2.17	2.12	1.99	1.91	1.62	1.09				
			9664	2.33	2.17	2.12	1.99	1.91	1.62	1.09				
			AVE	9667	2.33	2.17	2.12	1.99	1.91	1.62				
0.4659	46 + 57	17.18151	9808	2.16	2.09	1.99	1.91	1.83	1.54	1.09	1.08	31.66	1.97	5.79E+06
			9784	2.12	2.09	1.99	1.91	1.83	1.54	1.09				
			9808	2.16	2.09	1.99	1.91	1.83	1.54	1.09				
			AVE	9800	2.15	2.09	1.99	1.91	1.83	1.54				
0.4554	45 + 52	17.20139	9728	2.04	1.97	1.91	1.83	1.71	1.46	1.01	1.07	31.43	1.88	5.50E+06
			9744	2.04	1.97	1.91	1.83	1.67	1.46	1.01				
			9768	2.04	1.93	1.91	1.79	1.67	1.46	1.01				
			AVE	9747	2.04	1.96	1.91	1.82	1.68	1.46				
Average Values											B= 1.09	E= 5.81E+06	Ecorr= 1.17	

STATION	LOAD	DF1-0	DF2-8	DF3-12	DF4-18	DF5-24	DF6-36	DF7-60	Calculated Values			
									Normalized			
									Badj	AREA	DF1- 9000#	Eslab
	in	in mils										
S 3.472P1J	10008	3.46	3.24	3.14	2.91	2.72	2.33	1.55				
	10008	3.38	3.24	3.10	2.91	2.72	2.33	1.55				
	10032	3.46	3.28	3.18	2.95	2.80	2.37	1.59				
AVE	10016	3.43	3.25	3.14	2.92	2.75	2.34	1.56	1.09	30.67	3.09	7.00E+06
S 3.507P1J	10000	3.38	3.20	3.14	2.91	2.72	2.33	1.55				
	9952	3.38	3.20	3.10	2.86	2.72	2.33	1.55				
	9992	3.38	3.24	3.14	2.91	2.76	2.33	1.55				
AVE	9981	3.38	3.21	3.13	2.89	2.73	2.33	1.55	1.08	30.94	3.05	7.00E+06
S 3.554P1J	10016	3.58	3.40	3.31	3.11	2.92	2.53	1.79				
	10008	3.62	3.44	3.31	3.15	2.92	2.58	1.79				
	10032	3.62	3.44	3.31	3.15	2.92	2.53	1.79				
AVE	10019	3.61	3.43	3.31	3.14	2.92	2.55	1.79	1.09	30.96	3.24	7.00E+06
S 3.601P1J	10016	3.70	3.53	3.39	3.23	3.04	2.66	1.83				
	10040	3.70	3.53	3.43	3.31	3.00	2.66	1.83				
	10016	3.74	3.57	3.47	3.36	3.00	2.70	1.87				
AVE	10024	3.71	3.54	3.43	3.30	3.01	2.67	1.84	1.08	31.14	3.33	7.00E+06
S 3.648P1J	10072	3.58	3.44	3.31	3.15	2.96	2.53	1.75				
	10024	3.58	3.44	3.31	3.15	2.92	2.53	1.75				
	10072	3.58	3.44	3.31	3.15	2.96	2.53	1.75				
AVE	10056	3.58	3.44	3.31	3.15	2.95	2.53	1.75	1.08	31.21	3.20	7.00E+06
S 3.694P1J	10088	3.78	3.65	3.51	3.36	3.16	2.70	1.83				
	10032	3.74	3.57	3.47	3.27	3.08	2.66	1.79				
	10072	3.78	3.61	3.47	3.27	3.08	2.66	1.79				
AVE	10064	3.77	3.61	3.48	3.30	3.11	2.67	1.80	1.08	31.25	3.37	7.00E+06
S 3.741P1J	10032	3.70	3.61	3.56	3.44	3.32	2.94	1.87				
	10096	3.70	3.65	3.56	3.44	3.36	2.98	1.87				
	10056	3.70	3.65	3.56	3.44	3.36	2.94	1.87				
AVE	10061	3.70	3.64	3.56	3.44	3.35	2.95	1.87	1.04	33.19	3.31	7.00E+06
S 3.788P1J	10032	3.54	3.40	3.26	3.07	2.92	2.58	1.79				
	10032	3.50	3.36	3.26	3.07	2.92	2.58	1.75				
	10032	3.50	3.36	3.26	3.07	2.92	2.58	1.79				
AVE	10032	3.51	3.37	3.26	3.07	2.92	2.58	1.78	1.08	31.51	3.15	7.00E+06
S 3.835P1J	10024	3.10	2.96	2.89	2.70	2.52	2.17	1.47				
	10056	3.10	2.96	2.89	2.70	2.52	2.17	1.43				
	9992	3.14	3.00	2.93	2.74	2.56	2.21	1.51				
AVE	10024	3.11	2.97	2.90	2.71	2.53	2.18	1.47	1.07	31.16	2.80	7.00E+06
S 3.892P1J	10040	3.14	3.00	2.89	2.70	2.52	2.17	1.43				
	10040	3.10	2.96	2.89	2.66	2.48	2.13	1.39				
	10040	3.10	2.96	2.84	2.66	2.48	2.13	1.35				
AVE	10040	3.11	2.97	2.87	2.67	2.49	2.14	1.39	1.08	30.82	2.79	7.00E+06
S 3.939P1J	10072	3.18	3.04	2.93	2.74	2.56	2.21	1.47				
	10032	3.22	3.08	2.97	2.74	2.60	2.21	1.51				
	10032	3.18	3.04	2.93	2.74	2.56	2.17	1.47				
AVE	10045	3.19	3.05	2.94	2.74	2.57	2.20	1.48	1.08	30.86	2.86	7.00E+06
AVERAGE VALUES									B = 1.079		E = 7.00E+06	
											Ecorr = 1.25	

Log Mile	LOAD	DF1-0	DF2-8	DF3-12	DF4-18	DF5-24	DF6-36	DF7-60	Calculated Values				
									B	AREA in	Normalized DF1- 9000# in mils	Eslab	
S 2.429P1J	9536	2.08	2.05	1.95	1.87	1.83	1.54	1.13					
	9552	2.12	2.05	1.95	1.87	1.79	1.54	1.13					
	9568	2.08	2.05	1.95	1.91	1.83	1.54	1.13					
AVE	9552	2.09	2.05	1.95	1.88	1.82	1.54	1.13	1.07	32.01	1.97	7.00E+06	
S 2.529P1J	9544	2.08	1.97	1.91	1.83	1.75	1.54	1.21					
	9528	2.16	2.13	1.99	1.91	1.87	1.66	1.37					
	9504	2.08	2.05	1.91	1.83	1.75	1.54	1.25					
AVE	9525	2.11	2.05	1.94	1.86	1.79	1.58	1.28	1.09	31.73	1.99	7.00E+06	
S 2.529P1J	9504	2.16	2.05	1.99	1.87	1.83	1.58	1.33					
	9496	2.12	2.09	1.95	1.87	1.83	1.58	1.29					
	9472	2.12	2.05	1.95	1.83	1.79	1.58	1.25					
AVE	9491	2.13	2.06	1.96	1.86	1.82	1.58	1.29	1.09	31.71	2.02	7.00E+06	
S 2.628P1J	9480	2.41	2.29	2.20	2.07	1.95	1.70	1.21					
	9472	2.37	2.29	2.20	2.07	1.95	1.70	1.25					
	9520	2.41	2.37	2.24	2.12	2.07	1.74	1.37					
AVE	9491	2.40	2.32	2.21	2.09	1.99	1.71	1.28	1.08	31.34	2.27	6.10E+06	
S 2.727P1J	9528	2.41	2.37	2.24	2.12	2.07	1.78	1.33					
	9544	2.45	2.45	2.29	2.16	2.15	1.78	1.37					
	9512	2.45	2.41	2.29	2.16	2.11	1.78	1.41					
AVE	9528	2.44	2.41	2.27	2.15	2.11	1.78	1.37	1.07	31.97	2.30	7.00E+06	
S 2.829P1J	9560	2.41	2.33	2.29	2.12	2.03	1.74	1.33					
	9536	2.41	2.33	2.24	2.16	2.03	1.78	1.29					
	9528	2.37	2.33	2.24	2.07	1.99	1.70	1.29					
AVE	9541	2.40	2.33	2.26	2.12	2.02	1.74	1.30	1.06	31.75	2.26	6.40E+06	
S 2.929P1J	9568	2.21	2.09	2.04	1.95	1.83	1.62	1.21					
	9560	2.16	2.09	1.99	1.91	1.83	1.62	1.21					
	9576	2.12	2.09	1.99	1.87	1.79	1.54	1.17					
AVE	9568	2.16	2.09	2.01	1.91	1.82	1.59	1.20	1.08	31.63	2.03	7.00E+06	
S 3.028P1J	9560	2.25	2.25	2.12	2.03	1.99	1.74	1.25					
	9504	2.21	2.17	2.08	1.99	1.91	1.66	1.25					
	9536	2.29	2.21	2.16	2.03	1.95	1.70	1.29					
AVE	9533	2.25	2.21	2.12	2.02	1.95	1.70	1.26	1.06	32.24	2.12	7.00E+06	
S 3.127P1J	9520	2.33	2.33	2.29	2.12	2.03	1.78	1.33					
	9504	2.33	2.33	2.24	2.07	2.03	1.74	1.33					
	9504	2.33	2.29	2.20	2.03	1.99	1.70	1.29					
AVE	9509	2.33	2.32	2.24	2.07	2.02	1.74	1.32	1.04	32.42	2.21	7.00E+06	
S 3.227P1J	9432	2.29	2.25	2.16	2.07	1.95	1.74	1.29					
	9480	2.29	2.25	2.16	2.07	1.95	1.70	1.29					
	9472	2.29	2.21	2.16	2.03	1.95	1.70	1.29					
AVE	9461	2.29	2.24	2.16	2.06	1.95	1.71	1.29	1.06	32.03	2.18	7.00E+06	

Log Mile	LOAD	DF1-0	DF2-8	DF3-12	DF4-18	DF5-24	DF6-36	DF7-60	Calculated Values				
									B	AREA	Normalized		
											DF1- 9000#	Eslab	
		in		in mils									
S 3.329P1J	9472	2.33	2.29	2.20	2.07	1.99	1.74	1.33					
	9512	2.29	2.25	2.16	2.03	1.95	1.70	1.29					
	9512	2.33	2.29	2.24	2.12	1.99	1.74	1.33					
AVE	9499	2.32	2.28	2.20	2.07	1.98	1.73	1.32	1.05	32.11	2.20	7.00E+06	
S 3.428P1J	9456	2.29	2.21	2.12	1.99	1.91	1.66	1.25					
	9488	2.25	2.17	2.08	1.95	1.87	1.62	1.21					
	9504	2.29	2.21	2.12	2.03	1.91	1.66	1.29					
AVE	9483	2.28	2.20	2.11	1.99	1.90	1.65	1.25	1.08	31.44	2.16	6.10E+06	
S 3.528P1J	9488	2.12	2.01	1.95	1.87	1.79	1.54	1.21					
	9464	2.08	2.01	1.95	1.87	1.79	1.54	1.21					
	9480	2.08	2.01	1.95	1.87	1.75	1.54	1.17					
AVE	9477	2.09	2.01	1.95	1.87	1.78	1.54	1.20	1.07	31.78	1.99	7.00E+06	
S 3.627P1J	9448	2.29	2.25	2.16	2.03	1.99	1.74	1.29					
	9472	2.33	2.29	2.20	2.07	2.03	1.74	1.29					
	9480	2.33	2.25	2.20	2.07	1.99	1.74	1.29					
AVE	9467	2.32	2.26	2.19	2.06	2.00	1.74	1.29	1.06	32.21	2.20	5.80E+06	
S 3.729P1J	9472	2.49	2.45	2.37	2.28	2.15	1.90	1.41					
	9440	2.53	2.49	2.41	2.28	2.19	1.90	1.45					
	9408	2.57	2.53	2.45	2.36	2.23	1.99	1.49					
AVE	9440	2.53	2.49	2.41	2.31	2.19	1.93	1.45	1.05	32.40	2.41	5.80E+06	
S 3.828P1J	9432	2.37	2.29	2.24	2.12	2.03	1.78	1.33					
	9520	2.41	2.29	2.24	2.12	2.03	1.78	1.33					
	9520	2.45	2.33	2.29	2.16	2.07	1.82	1.37					
AVE	9491	2.41	2.30	2.26	2.13	2.04	1.79	1.34	1.07	31.88	2.29	6.30E+06	
S 3.928P1J	9488	2.33	2.29	2.20	2.12	2.03	1.82	1.37					
	9488	2.29	2.25	2.16	2.07	2.03	1.78	1.37					
	9472	2.33	2.25	2.20	2.12	2.03	1.78	1.37					
AVE	9483	2.32	2.26	2.19	2.10	2.03	1.79	1.37	1.06	32.49	2.20	7.00E+06	
S 4.027P1J	9480	2.08	2.01	1.99	1.87	1.79	1.58	1.17					
	9424	2.12	2.05	1.99	1.91	1.83	1.58	1.21					
	9424	2.08	2.01	1.95	1.87	1.79	1.58	1.17					
AVE	9443	2.09	2.02	1.98	1.88	1.80	1.58	1.18	1.06	32.20	2.00	7.00E+06	
S 4.130P1J	9424	2.41	2.37	2.29	2.20	2.07	1.74	1.37					
	9424	2.37	2.33	2.24	2.12	2.03	1.78	1.33					
	9424	2.37	2.33	2.24	2.16	2.03	1.74	1.33					
AVE	9424	2.38	2.34	2.26	2.16	2.04	1.75	1.34	1.06	32.06	2.28	7.00E+06	
S 4.229P1J	9312	2.78	2.69	2.62	2.48	2.35	2.07	1.49					
	9224	2.78	2.61	2.53	2.44	2.27	2.03	1.45					
	9256	2.78	2.69	2.62	2.48	2.35	2.03	1.49					
AVE	9264	2.78	2.66	2.59	2.47	2.32	2.04	1.48	1.07	31.62	2.70	5.80E+06	

Log Mile	LOAD	DF1-0	DF2-8	DF3-12	DF4-18	DF5-24	DF6-36	DF7-60	Calculated Values				
									B	AREA	Normalized		
											DF1- 9000#	Eslab	
		in		in mils									
S 4.328P1J	9392	2.25	2.13	2.08	2.03	1.91	1.70	1.25					
	9384	2.29	2.21	2.12	2.07	1.95	1.74	1.29					
	9408	2.29	2.21	2.12	2.03	1.95	1.74	1.29					
AVE	9395	2.28	2.18	2.11	2.04	1.94	1.73	1.28	1.08	31.86	2.18	6.30E+06	
AVERAGE VALUES									B = 1.07		E =	6.65E+06	
											Ecorr =	1.25	

Miles ft	Log Miles	Station	LOAD lbs	d0 0"	d8 8"	d12 12"	d18 18"	d24 24"	d36 36"	d60 60"	Calculated Values			
											B	AREA in	Normalized d0 - 9000# in mils	Eslab
25.1339	25.2536	380 + 53	9480	2.49	2.47	2.34	2.21	2.12	1.84	1.26	1.06	31.82	2.37	6.36E+06
			9472	2.49	2.47	2.34	2.25	2.12	1.80	1.22				
			9512	2.53	2.43	2.38	2.25	2.12	1.84	1.26				
			9488	2.5	2.46	2.35	2.24	2.12	1.83	1.25				
25.1218	25.2307	381 + 74	9480	2.41	2.31	2.22	2.09	1.96	1.68	1.18	1.09	30.86	2.29	5.78E+06
			9504	2.41	2.35	2.22	2.09	1.92	1.68	1.18				
			9472	2.41	2.31	2.22	2.09	1.92	1.68	1.14				
			9485	2.41	2.32	2.22	2.09	1.93	1.68	1.17				
25.1099	25.2081	382 + 93	9520	2.65	2.51	2.43	2.25	2.12	1.84	1.26	1.10	30.65	2.52	4.28E+06
			9488	2.65	2.51	2.43	2.25	2.12	1.84	1.26				
			9488	2.69	2.51	2.43	2.25	2.12	1.84	1.26				
			9499	2.66	2.51	2.43	2.25	2.12	1.84	1.26				
25.0978	25.1852	384 + 14	9488	2.33	2.23	2.18	2.01	1.92	1.64	1.14	1.07	31.33	2.20	6.36E+06
			9464	2.33	2.23	2.18	2.01	1.92	1.64	1.14				
			9432	2.29	2.23	2.13	2.01	1.88	1.64	1.14				
			9461	2.32	2.23	2.16	2.01	1.91	1.64	1.14				
25.0859	25.1627	385 + 33	9448	2.77	2.67	2.55	2.41	2.28	1.96	1.26	1.09	31.10	2.60	5.78E+06
			9440	2.73	2.63	2.51	2.37	2.24	1.92	1.26				
			9448	2.69	2.55	2.47	2.29	2.20	1.88	1.18				
			9445	2.73	2.62	2.51	2.36	2.24	1.92	1.23				
25.0739	25.1400	386 + 53	9520	2.85	2.76	2.64	2.50	2.40	2.04	1.39	1.08	31.40	2.70	5.78E+06
			9488	2.85	2.76	2.64	2.50	2.36	2.04	1.39				
			9488	2.85	2.76	2.64	2.50	2.36	2.04	1.39				
			9499	2.85	2.76	2.64	2.5	2.37	2.04	1.39				
25.0618	25.1170	387 + 74	9480	2.49	2.43	2.34	2.21	2.08	1.80	1.26	1.06	31.71	2.35	6.07E+06
			9480	2.45	2.43	2.34	2.21	2.08	1.80	1.26				
			9472	2.49	2.43	2.30	2.21	2.08	1.80	1.30				
			9477	2.48	2.43	2.33	2.21	2.08	1.8	1.27				
25.0498	25.0943	388 + 94	9480	2.81	2.67	2.55	2.46	2.36	2.08	1.59	1.08	31.88	2.64	7.00E+06
			9488	2.77	2.71	2.59	2.50	2.40	2.08	1.63				
			9480	2.77	2.67	2.59	2.46	2.40	2.08	1.59				
			9483	2.78	2.68	2.58	2.47	2.39	2.08	1.6				
25.0379	25.0718	390 + 13	9416	2.57	2.47	2.38	2.25	2.12	1.84	1.22	1.09	31.30	2.47	5.78E+06
			9440	2.61	2.47	2.38	2.25	2.16	1.84	1.22				
			9440	2.57	2.47	2.38	2.25	2.16	1.84	1.22				
			9432	2.58	2.47	2.38	2.25	2.15	1.84	1.22				
25.0259	25.0491	391 + 33	9448	2.85	2.76	2.68	2.50	2.36	2.04	1.43	1.06	31.52	2.71	5.78E+06
			9488	2.85	2.80	2.68	2.50	2.36	2.04	1.43				
			9464	2.85	2.80	2.68	2.50	2.36	2.04	1.43				
			9467	2.85	2.79	2.68	2.5	2.36	2.04	1.43				
25.0139	25.0263	392 + 53	9480	3.06	2.92	2.84	2.70	2.56	2.21	1.47	1.07	31.44	2.92	4.62E+06
			9504	3.10	2.96	2.89	2.70	2.56	2.25	1.47				
			9520	3.10	2.96	2.89	2.70	2.56	2.21	1.51				
			9501	3.09	2.95	2.87	2.7	2.56	2.22	1.48				
25.0019	25.0036	393 + 73	9488	2.85	2.80	2.72	2.62	2.48	2.21	1.71	1.05	32.38	2.67	7.00E+06
			9440	2.81	2.71	2.64	2.54	2.40	2.17	1.63				
			9440	2.77	2.71	2.64	2.54	2.40	2.13	1.63				
			9456	2.81	2.74	2.67	2.57	2.43	2.17	1.66				

Miles ft	Log Miles	Station	LOAD lbs	d0 0"	d8 8"	d12 12"	d18 18"	d24 24"	d36 36"	d60 60"	Calculated Values			
											B	AREA in	Normalized d0 - 9000# in mils	Eslab
24.5178	24.9807	394 + 94	9480	2.85	2.76	2.64	2.46	2.32	2.00	1.35	1.07	31.26	2.70	5.78E+06
			9496	2.85	2.76	2.64	2.46	2.36	2.00	1.30				
			9480	2.85	2.76	2.68	2.46	2.36	2.00	1.30				
			9485	2.85	2.76	2.65	2.46	2.35	2	1.32				
24.5059	24.9581	396 + 13	9488	2.81	2.67	2.55	2.41	2.32	1.96	1.35	1.10	31.01	2.67	5.20E+06
			9528	2.81	2.71	2.59	2.46	2.32	2.00	1.35				
			9432	2.81	2.67	2.55	2.41	2.28	1.96	1.35				
			9483	2.81	2.68	2.56	2.43	2.31	1.97	1.35				
24.494	24.9356	397 + 32	9464	2.65	2.55	2.47	2.33	2.20	1.92	1.35	1.07	31.55	2.52	6.07E+06
			9472	2.65	2.55	2.51	2.33	2.20	1.92	1.30				
			9544	2.69	2.59	2.47	2.37	2.24	2.00	1.39				
			9493	2.66	2.56	2.48	2.34	2.21	1.95	1.35				
24.4819	24.9127	398 + 53	9480	2.25	2.23	2.09	1.96	1.88	1.59	1.06	1.09	30.96	2.18	5.21E+06
			9488	2.33	2.23	2.13	1.96	1.88	1.59	1.10				
			9584	2.33	2.23	2.13	1.96	1.88	1.59	1.10				
			9517	2.3	2.23	2.12	1.96	1.88	1.59	1.09				
24.4699	24.8900	399 + 73	9400	2.69	2.55	2.43	2.29	2.16	1.84	1.26	1.09	30.79	2.57	4.62E+06
			9448	2.69	2.59	2.47	2.33	2.20	1.88	1.30				
			9432	2.69	2.55	2.47	2.29	2.16	1.84	1.26				
			9427	2.69	2.56	2.46	2.3	2.17	1.85	1.27				
24.4579	24.8672	400 + 93	9448	2.61	2.51	2.38	2.25	2.12	1.80	1.18	1.10	30.68	2.51	5.21E+06
			9440	2.65	2.51	2.43	2.25	2.12	1.84	1.18				
			9448	2.65	2.51	2.38	2.25	2.12	1.80	1.18				
			9445	2.64	2.51	2.4	2.25	2.12	1.81	1.18				
24.4458	24.8443	402 + 14	9424	2.61	2.55	2.43	2.29	2.20	1.88	1.30	1.07	31.73	2.49	6.07E+06
			9408	2.61	2.51	2.47	2.29	2.20	1.92	1.35				
			9488	2.61	2.51	2.43	2.29	2.20	1.92	1.35				
			9440	2.61	2.52	2.44	2.29	2.2	1.91	1.33				
24.4338	24.8216	403 + 34	9440	2.81	2.71	2.59	2.46	2.32	2.04	1.47	1.07	31.69	2.69	5.78E+06
			9480	2.81	2.76	2.64	2.50	2.40	2.08	1.51				
			9464	2.85	2.76	2.68	2.50	2.40	2.08	1.51				
			9461	2.82	2.74	2.64	2.49	2.37	2.07	1.5				
24.4217	24.7987	404 + 55	9392	2.97	2.84	2.72	2.58	2.44	2.13	1.59	1.08	31.42	2.84	5.21E+06
			9416	2.97	2.88	2.76	2.62	2.48	2.17	1.59				
			9408	2.97	2.88	2.76	2.62	2.48	2.17	1.59				
			9405	2.97	2.87	2.75	2.61	2.47	2.16	1.59				
24.4098	24.7761	405 + 74	9504	2.81	2.76	2.68	2.50	2.36	2.13	1.55	1.07	31.84	2.68	6.08E+06
			9488	2.85	2.76	2.68	2.50	2.40	2.13	1.55				
			9432	2.81	2.71	2.59	2.50	2.36	2.08	1.55				
			9475	2.82	2.74	2.65	2.5	2.37	2.11	1.55				
24.3978	24.7534	406 + 94	9472	2.97	2.84	2.76	2.58	2.48	2.13	1.22	1.07	31.51	2.80	5.78E+06
			9440	2.93	2.84	2.76	2.58	2.44	2.08	1.18				
			9432	2.93	2.84	2.72	2.58	2.44	2.13	1.22				
			9448	2.94	2.84	2.75	2.58	2.45	2.11	1.21				
24.3858	24.7307	408 + 14	9504	2.69	2.59	2.51	2.33	2.24	1.92	1.39	1.08	31.29	2.56	5.78E+06
			9464	2.69	2.59	2.47	2.33	2.24	1.92	1.39				
			9512	2.73	2.59	2.51	2.37	2.24	1.92	1.39				
			9493	2.7	2.59	2.5	2.34	2.24	1.92	1.39				

Miles ft	Log Miles	Station	LOAD lbs	d0 0"	d8 8"	d12 12"	d18 18"	d24 24"	d36 36"	d60 60"	Calculated Values			
											B	AREA in	Normalized	Eslab
													d0 - 9000# in mils	
24.3739	24.7081	409 + 33	9376	2.57	2.55	2.47	2.29	2.20	1.88	1.26	1.07	31.53	2.53	6.08E+06
			9376	2.65	2.55	2.47	2.33	2.20	1.88	1.26				
			9384	2.69	2.55	2.47	2.33	2.20	1.88	1.26				
			9379	2.64	2.55	2.47	2.32	2.2	1.88	1.26				
24.3617	24.6850	410 + 55	9408	2.45	2.35	2.30	2.17	2.08	1.84	1.35	1.05	32.46	2.30	7.00E+06
			9432	2.37	2.35	2.30	2.17	2.08	1.88	1.35				
			9448	2.41	2.39	2.30	2.21	2.08	1.88	1.35				
			9429	2.41	2.36	2.3	2.18	2.08	1.87	1.35				
24.3499	24.6627	411 + 73	9440	2.49	2.43	2.34	2.21	2.12	1.84	1.43	1.06	31.93	2.38	6.08E+06
			9392	2.49	2.43	2.34	2.21	2.12	1.84	1.43				
			9360	2.49	2.43	2.34	2.21	2.12	1.84	1.39				
			9397	2.49	2.43	2.34	2.21	2.12	1.84	1.42				
24.3379	24.6400	412 + 93	9416	2.69	2.63	2.55	2.37	2.28	1.96	1.30	1.07	31.66	2.60	5.20E+06
			9424	2.73	2.63	2.55	2.37	2.32	1.96	1.35				
			9400	2.73	2.63	2.51	2.37	2.28	1.96	1.35				
			9413	2.72	2.63	2.54	2.37	2.29	1.96	1.33				
24.3258	24.6170	414 + 14	9456	3.78	3.65	3.51	3.31	3.12	2.66	1.79	1.09	31.04	3.64	4.05E+06
			9480	3.86	3.69	3.51	3.36	3.16	2.70	1.79				
			9472	3.86	3.69	3.51	3.31	3.16	2.70	1.75				
			9469	3.83	3.68	3.51	3.33	3.15	2.69	1.78				
24.3139	24.5945	415 + 33	9560	2.49	2.43	2.30	2.17	2.04	1.76	1.30	1.09	30.93	2.37	5.20E+06
			9488	2.49	2.39	2.30	2.17	2.04	1.80	1.26				
			9496	2.53	2.39	2.30	2.13	1.96	1.76	1.22				
			9515	2.5	2.4	2.3	2.16	2.01	1.77	1.26				
24.3019	24.5718	416 + 53	9432	2.37	2.31	2.22	2.13	2.00	1.76	1.35	1.07	31.64	2.29	5.78E+06
			9432	2.41	2.35	2.22	2.13	2.00	1.76	1.35				
			9400	2.41	2.35	2.26	2.13	2.00	1.80	1.35				
			9421	2.4	2.34	2.23	2.13	2	1.77	1.35				
24.2899	24.5491	417 + 73	9424	2.29	2.23	2.09	2.01	1.92	1.68	1.26	1.09	31.56	2.17	7.00E+06
			9432	2.29	2.19	2.09	2.01	1.92	1.68	1.26				
			9416	2.25	2.19	2.09	2.01	1.92	1.68	1.26				
			9424	2.28	2.2	2.09	2.01	1.92	1.68	1.26				
24.278	24.5265	418 + 92	9480	2.53	2.47	2.38	2.25	2.12	1.84	1.26	1.07	31.63	2.43	6.08E+06
			9480	2.57	2.47	2.38	2.25	2.16	1.88	1.30				
			9464	2.57	2.47	2.38	2.25	2.16	1.88	1.26				
			9475	2.56	2.47	2.38	2.25	2.15	1.87	1.27				
24.2659	24.5036	420 + 13	9528	2.69	2.59	2.51	2.29	2.20	1.88	1.26	1.08	31.03	2.54	5.20E+06
			9456	2.65	2.55	2.47	2.29	2.16	1.84	1.26				
			9472	2.69	2.55	2.47	2.29	2.16	1.84	1.26				
			9485	2.68	2.56	2.48	2.29	2.17	1.85	1.26				
24.2535	24.4801	421 + 37	9592	3.02	2.88	2.76	2.62	2.48	2.13	1.43	1.08	31.44	2.81	5.20E+06
			9560	2.97	2.88	2.80	2.62	2.52	2.13	1.43				
			9560	2.97	2.88	2.76	2.62	2.48	2.13	1.43				
			9571	2.99	2.88	2.77	2.62	2.49	2.13	1.43				
24.2417	24.4578	422 + 55	9544	3.10	3.04	2.93	2.78	2.68	2.29	1.51	1.06	31.97	2.97	5.78E+06
			9528	3.18	3.08	2.97	2.78	2.68	2.33	1.51				
			9504	3.14	3.04	2.97	2.82	2.68	2.33	1.51				
			9525	3.14	3.05	2.96	2.79	2.68	2.32	1.51				

Miles ft	Log Miles	Station	LOAD lbs	d0 0"	d8 8"	d12 12"	d18 18"	d24 24"	d36 36"	d60 60"	Calculated Values			
											B	AREA in	Normalized d0 - 9000# in mils	Eslab
24.2295	24.4347	423 + 77	9496	2.49	2.39	2.30	2.17	2.04	1.76	1.18	1.09	31.02	2.38	5.20E+06
			9464	2.53	2.39	2.30	2.17	2.04	1.76	1.18				
			9440	2.49	2.39	2.30	2.17	2.04	1.76	1.18				
			9467	2.5	2.39	2.3	2.17	2.04	1.76	1.18				
24.2176	24.4121	424 + 96	9464	2.97	2.84	2.76	2.54	2.44	2.08	1.35	1.09	30.94	2.84	5.20E+06
			9464	3.02	2.84	2.72	2.54	2.44	2.08	1.35				
			9464	2.97	2.84	2.72	2.54	2.44	2.04	1.35				
			9464	2.99	2.84	2.73	2.54	2.44	2.07	1.35				
24.2056	24.3894	426 + 16	9480	2.93	2.76	2.68	2.50	2.36	2.04	1.39	1.09	30.82	2.78	4.62E+06
			9504	2.93	2.76	2.68	2.50	2.36	2.04	1.39				
			9512	2.93	2.76	2.68	2.54	2.36	2.04	1.39				
			9499	2.93	2.76	2.68	2.51	2.36	2.04	1.39				
24.1936	24.3667	427 + 36	9552	3.30	3.12	2.97	2.82	2.68	2.29	1.47	1.10	30.96	3.09	4.62E+06
			9544	3.26	3.12	2.97	2.82	2.68	2.29	1.47				
			9512	3.26	3.12	3.01	2.82	2.68	2.29	1.47				
			9536	3.27	3.12	2.98	2.82	2.68	2.29	1.47				
24.1816	24.3439	428 + 56	9432	2.93	2.84	2.72	2.54	2.40	2.08	1.39	1.08	31.23	2.80	5.20E+06
			9432	2.93	2.84	2.72	2.54	2.40	2.08	1.39				
			9424	2.93	2.84	2.72	2.58	2.40	2.08	1.35				
			9429	2.93	2.84	2.72	2.55	2.4	2.08	1.38				
24.1696	24.3212	429 + 76	9448	2.89	2.80	2.64	2.46	2.36	2.04	1.35	1.08	31.06	2.73	5.20E+06
			9432	2.85	2.80	2.64	2.46	2.32	2.04	1.35				
			9432	2.85	2.76	2.64	2.46	2.28	2.04	1.39				
			9437	2.86	2.79	2.64	2.46	2.32	2.04	1.36				
24.1576	24.2985	430 + 96	9448	3.42	3.24	3.14	2.91	2.76	2.33	1.47	1.09	30.89	3.24	4.62E+06
			9384	3.38	3.24	3.14	2.91	2.72	2.33	1.47				
			9424	3.38	3.24	3.10	2.91	2.76	2.33	1.47				
			9419	3.39	3.24	3.13	2.91	2.75	2.33	1.47				
24.1457	24.2759	432 + 15	9424	3.22	3.12	2.97	2.82	2.64	2.29	1.47	1.08	31.27	3.08	4.34E+06
			9424	3.22	3.12	2.97	2.82	2.68	2.29	1.47				
			9424	3.22	3.12	3.01	2.82	2.64	2.29	1.47				
			9424	3.22	3.12	2.98	2.82	2.65	2.29	1.47				
24.1336	24.2530	433 + 36	9448	3.10	2.96	2.89	2.74	2.64	2.33	1.79	1.06	32.02	2.96	6.38E+06
			9464	3.10	2.96	2.93	2.74	2.64	2.33	1.83				
			9392	3.10	2.96	2.93	2.74	2.64	2.33	1.83				
			9435	3.1	2.96	2.92	2.74	2.64	2.33	1.82				
24.1215	24.2301	434 + 57	9432	2.81	2.71	2.64	2.46	2.40	2.08	1.51	1.07	31.95	2.67	7.00E+06
			9400	2.77	2.71	2.59	2.50	2.40	2.08	1.51				
			9408	2.81	2.71	2.59	2.46	2.40	2.08	1.55				
			9413	2.8	2.71	2.61	2.47	2.4	2.08	1.52				
24.1096	24.2076	435 + 76	9424	2.73	2.67	2.59	2.46	2.32	2.04	1.43	1.07	31.83	2.61	6.38E+06
			9408	2.73	2.63	2.55	2.41	2.28	2.00	1.43				
			9416	2.73	2.63	2.55	2.41	2.32	2.00	1.43				
			9416	2.73	2.64	2.56	2.43	2.31	2.01	1.43				
24.0976	24.1848	436 + 96	9424	2.97	2.92	2.80	2.66	2.52	2.17	1.47	1.07	31.60	2.85	5.78E+06
			9424	3.02	2.88	2.76	2.62	2.48	2.13	1.43				
			9400	2.97	2.88	2.80	2.62	2.52	2.17	1.47				
			9416	2.99	2.89	2.79	2.63	2.51	2.16	1.46				

Miles ft	Log Miles	Station	LOAD lbs	d0 0"	d8 8"	d12 12"	d18 18"	d24 24"	d36 36"	d60 60"	Calculated Values			
											B	AREA in	Normalized d0 - 9000# in mils	Eslab
24.0857	24.1623	438 + 15	9432	3.14	3.08	3.01	2.82	2.68	2.33	1.59	1.06	31.88	3.02	5.78E+06
			9432	3.18	3.04	2.97	2.78	2.68	2.33	1.59				
			9416	3.18	3.08	2.97	2.82	2.68	2.33	1.59				
			9427	3.17	3.07	2.98	2.81	2.68	2.33	1.59				
24.0736	24.1394	439 + 36	9448	3.46	3.36	3.22	3.07	2.92	2.53	1.71	1.07	31.70	3.27	5.20E+06
			9448	3.42	3.28	3.18	2.99	2.88	2.49	1.67				
			9448	3.42	3.32	3.22	3.03	2.88	2.49	1.71				
			9448	3.43	3.32	3.21	3.03	2.89	2.5	1.7				
24.0616	24.1167	440 + 56	9432	3.06	2.96	2.84	2.70	2.56	2.25	1.51	1.07	31.68	2.92	6.08E+06
			9432	3.06	2.96	2.89	2.70	2.60	2.25	1.55				
			9384	3.06	2.96	2.84	2.70	2.56	2.21	1.51				
			9416	3.06	2.96	2.86	2.7	2.57	2.24	1.52				
24.0496	24.0939	441 + 76	9424	3.22	3.12	2.97	2.86	2.68	2.37	1.59	1.07	31.67	3.07	5.78E+06
			9416	3.22	3.08	3.01	2.82	2.68	2.37	1.59				
			9440	3.22	3.08	3.05	2.82	2.72	2.37	1.59				
			9427	3.22	3.09	3.01	2.83	2.69	2.37	1.59				
24.0376	24.0712	442 + 96	9472	2.97	2.88	2.76	2.62	2.48	2.17	1.47	1.08	31.61	2.84	6.94E+06
			9376	2.97	2.88	2.76	2.62	2.52	2.17	1.47				
			9384	2.97	2.84	2.76	2.58	2.48	2.17	1.47				
			9411	2.97	2.87	2.76	2.61	2.49	2.17	1.47				
24.0255	24.0483	444 + 17	9432	2.97	2.92	2.80	2.62	2.48	2.17	1.47	1.06	31.77	2.83	7.00E+06
			9448	2.97	2.84	2.80	2.62	2.52	2.17	1.47				
			9440	2.97	2.88	2.80	2.62	2.48	2.17	1.47				
			9440	2.97	2.88	2.8	2.62	2.49	2.17	1.47				
24.0136	24.0258	445 + 36	9408	3.10	3.00	2.89	2.74	2.60	2.29	1.51	1.08	31.73	2.93	7.00E+06
			9384	3.06	2.96	2.80	2.70	2.56	2.25	1.47				
			9400	3.02	3.00	2.84	2.70	2.60	2.25	1.47				
			9397	3.06	2.99	2.84	2.71	2.59	2.26	1.48				
24.0016	24.0030	446 + 56	9400	3.14	3.04	2.93	2.78	2.68	2.37	1.63	1.07	31.92	3.02	3.29E+06
			9336	3.14	3.04	2.93	2.78	2.68	2.33	1.63				
			9376	3.14	3.00	2.93	2.78	2.68	2.33	1.63				
			9371	3.14	3.03	2.93	2.78	2.68	2.34	1.63				
23.5175	23.9801	447 + 77	9408	3.06	2.96	2.89	2.70	2.60	2.25	1.55	1.06	31.94	2.93	3.58E+06
			9424	3.06	2.96	2.89	2.74	2.60	2.29	1.51				
			9392	3.06	3.00	2.89	2.74	2.56	2.29	1.55				
			9408	3.06	2.97	2.89	2.73	2.59	2.28	1.54				
23.5055	23.9574	448 + 97	9424	2.97	2.88	2.76	2.58	2.48	2.13	1.47	1.07	31.54	2.82	5.78E+06
			9464	2.97	2.88	2.76	2.58	2.48	2.13	1.47				
			9424	2.93	2.84	2.76	2.62	2.44	2.13	1.43				
			9437	2.96	2.87	2.76	2.59	2.47	2.13	1.46				
23.4935	23.9347	450 + 17	9400	2.89	2.76	2.64	2.50	2.40	2.08	1.47	1.08	31.47	2.75	6.36E+06
			9416	2.85	2.76	2.68	2.54	2.40	2.08	1.47				
			9392	2.89	2.76	2.68	2.50	2.40	2.08	1.47				
			9403	2.88	2.76	2.67	2.51	2.4	2.08	1.47				
23.4816	23.9121	451 + 36	9416	2.81	2.76	2.64	2.50	2.40	2.08	1.43	1.06	31.97	2.73	7.00E+06
			9400	2.85	2.76	2.68	2.54	2.44	2.08	1.43				
			9400	2.89	2.80	2.72	2.58	2.48	2.13	1.47				
			9405	2.85	2.77	2.68	2.54	2.44	2.1	1.44				

Miles ft	Log Miles	Station	LOAD lbs	d0 0"	d8 8"	d12 12"	d18 18"	d24 24"	d36 36"	d60 60"	Calculated Values			
											B	AREA in	Normalized d0 - 9000# in mils	Eslab
23.4695	23.8892	452 + 57	9384	2.69	2.59	2.47	2.33	2.24	1.96	1.43	1.09	31.38	2.58	7.00E+06
			9384	2.69	2.59	2.47	2.37	2.24	1.96	1.43				
			9352	2.69	2.59	2.47	2.33	2.24	1.96	1.43				
			9373	2.69	2.59	2.47	2.34	2.24	1.96	1.43				
23.4576	23.8667	453 + 76	9424	3.14	3.04	2.93	2.74	2.64	2.25	1.55	1.08	31.38	2.99	5.33E+06
			9448	3.14	3.00	2.89	2.74	2.56	2.25	1.51				
			9448	3.14	3.00	2.93	2.74	2.60	2.25	1.51				
			9440	3.14	3.01	2.92	2.74	2.6	2.25	1.52				
23.4456	23.8439	454 + 96	9376	2.97	2.84	2.72	2.50	2.40	2.04	1.30	1.09	30.81	2.85	2.89E+06
			9408	2.97	2.84	2.72	2.54	2.40	2.04	1.35				
			9384	2.97	2.84	2.72	2.54	2.40	2.04	1.35				
			9389	2.97	2.84	2.72	2.53	2.4	2.04	1.33				
23.4336	23.8212	456 + 16	9464	2.69	2.63	2.55	2.41	2.28	2.04	1.39	1.05	32.06	2.57	3.93E+06
			9472	2.69	2.63	2.59	2.46	2.28	2.08	1.39				
			9480	2.73	2.67	2.59	2.46	2.24	2.04	1.39				
			9472	2.7	2.64	2.58	2.44	2.27	2.05	1.39				
23.4215	23.7983	457 + 37	9448	2.93	2.84	2.80	2.62	2.48	2.21	1.43	1.05	32.22	2.81	7.00E+06
			9448	2.97	2.88	2.84	2.66	2.52	2.25	1.51				
			9408	2.93	2.84	2.80	2.66	2.52	2.21	1.51				
			9435	2.94	2.85	2.81	2.65	2.51	2.22	1.48				
23.4096	23.7758	458 + 56	9352	2.81	2.76	2.59	2.50	2.36	2.08	1.43	1.09	31.49	2.72	5.78E+06
			9344	2.81	2.80	2.59	2.50	2.36	2.08	1.51				
			9344	2.85	2.80	2.59	2.54	2.36	2.13	1.51				
			9347	2.82	2.79	2.59	2.51	2.36	2.1	1.48				
23.3976	23.7530	459 + 76	9224	3.74	3.65	3.51	3.36	3.24	2.86	2.00	1.06	32.18	3.66	6.08E+06
			9224	3.74	3.61	3.51	3.36	3.20	2.86	2.00				
			9208	3.78	3.69	3.56	3.40	3.24	2.90	2.04				
			9219	3.75	3.65	3.53	3.37	3.23	2.87	2.01				
23.3856	23.7303	460 + 96	9264	2.69	2.51	2.47	2.29	2.20	1.88	1.26	1.08	31.13	2.59	5.67E+06
			9248	2.65	2.55	2.47	2.29	2.20	1.88	1.26				
			9248	2.65	2.55	2.43	2.29	2.16	1.84	1.18				
			9253	2.66	2.54	2.46	2.29	2.19	1.87	1.23				
23.3736	23.7076	462 + 16	9248	2.81	2.76	2.59	2.50	2.28	2.04	1.39	1.08	31.21	2.73	5.09E+06
			9280	2.81	2.76	2.59	2.54	2.28	2.04	1.39				
			9240	2.81	2.76	2.59	2.50	2.32	2.04	1.39				
			9256	2.81	2.76	2.59	2.51	2.29	2.04	1.39				
23.3616	23.6848	463 + 36	9336	2.77	2.71	2.64	2.50	2.36	2.08	1.43	1.06	31.88	2.73	5.09E+06
			9304	2.85	2.71	2.68	2.54	2.40	2.13	1.47				
			9320	2.85	2.71	2.64	2.54	2.40	2.08	1.51				
			9320	2.82	2.71	2.65	2.53	2.39	2.1	1.47				
23.3496	23.6621	464 + 56	9232	2.61	2.51	2.34	2.25	2.16	1.88	1.22	1.12	31.08	2.53	5.09E+06
			9232	2.57	2.55	2.34	2.25	2.16	1.88	1.26				
			9248	2.61	2.51	2.30	2.25	2.16	1.88	1.22				
			9237	2.6	2.52	2.33	2.25	2.16	1.88	1.23				
23.3376	23.6394	465 + 76	9256	2.65	2.51	2.43	2.29	2.16	1.88	1.22	1.09	30.98	2.58	4.69E+06
			9232	2.65	2.51	2.43	2.29	2.16	1.88	1.22				
			9224	2.65	2.51	2.43	2.29	2.16	1.80	1.22				
			9237	2.65	2.51	2.43	2.29	2.16	1.85	1.22				

Miles ft	Log Miles	Station	LOAD lbs	d0 0"	d8 8"	d12 12"	d18 18"	d24 24"	d36 36"	d60 60"	Calculated Values			
											B	AREA in	Normalized d0 - 9000# in mils	Eslab
23.326	23.6174	466 + 92	9200	2.93	2.96	2.89	2.78	2.44	2.25	1.51	1.03	32.20	2.91	7.00E+06
			9184	2.97	2.92	2.84	2.74	2.48	2.25	1.51				
			9200	3.02	3.04	2.93	2.82	2.48	2.33	1.55				
			9195	2.97	2.97	2.89	2.78	2.47	2.28	1.52				
23.314	23.5947	468 + 12	9168	3.10	2.96	2.89	2.74	2.60	2.25	1.51	1.06	31.84	3.00	6.08E+06
			9176	3.02	2.96	2.89	2.70	2.56	2.25	1.51				
			9168	3.06	2.96	2.89	2.70	2.56	2.25	1.51				
			9171	3.06	2.96	2.89	2.71	2.57	2.25	1.51				
23.3021	23.5722	469 + 31	9176	2.85	2.76	2.64	2.50	2.36	2.04	1.35	1.08	31.43	2.88	5.20E+06
			9160	2.97	2.92	2.76	2.62	2.48	2.13	1.43				
			9160	2.97	2.88	2.76	2.62	2.48	2.13	1.43				
			9165	2.93	2.85	2.72	2.58	2.44	2.1	1.4				
23.2902	23.5496	470 + 50	9208	2.89	2.88	2.80	2.62	2.48	2.17	1.47	1.05	32.18	2.86	6.08E+06
			9216	2.97	2.92	2.84	2.66	2.52	2.25	1.55				
			9216	2.93	2.84	2.76	2.62	2.48	2.17	1.43				
			9213	2.93	2.88	2.8	2.63	2.49	2.2	1.48				
23.2782	23.5269	471 + 70	9200	3.22	3.12	3.01	2.86	2.72	2.33	1.51	1.07	31.50	3.15	5.20E+06
			9224	3.22	3.08	2.97	2.82	2.68	2.29	1.47				
			9184	3.22	3.08	3.01	2.82	2.68	2.29	1.55				
			9203	3.22	3.09	3	2.83	2.69	2.3	1.51				
23.2662	23.5042	472 + 90	9152	3.02	2.88	2.80	2.70	2.48	2.13	1.43	1.06	31.56	2.95	5.20E+06
			9152	3.02	2.92	2.84	2.66	2.52	2.17	1.39				
			9144	2.97	2.92	2.84	2.66	2.48	2.17	1.43				
			9149	3	2.91	2.83	2.67	2.49	2.16	1.42				
23.2544	23.4818	474 + 08	9256	2.97	2.88	2.76	2.62	2.52	2.17	1.43	1.07	31.82	2.89	6.78E+06
			9280	2.97	2.88	2.80	2.62	2.52	2.17	1.43				
			9240	2.97	2.88	2.80	2.62	2.52	2.17	1.43				
			9259	2.97	2.88	2.79	2.62	2.52	2.17	1.43				
23.2424	23.4591	475 + 28	9352	3.06	3.00	2.89	2.70	2.56	2.25	1.47	1.07	31.64	2.92	5.20E+06
			9360	3.02	2.96	2.80	2.66	2.56	2.13	1.43				
			9320	3.02	2.92	2.80	2.66	2.56	2.17	1.43				
			9344	3.03	2.96	2.83	2.67	2.56	2.18	1.44				
23.2304	23.4364	476 + 48	9296	2.77	2.71	2.59	2.50	2.36	2.04	1.35	1.07	31.60	2.70	5.20E+06
			9280	2.81	2.71	2.59	2.46	2.32	2.04	1.35				
			9280	2.77	2.67	2.59	2.46	2.32	2.00	1.35				
			9285	2.78	2.7	2.59	2.47	2.33	2.03	1.35				
23.2185	23.4138	477 + 67	9312	2.97	2.88	2.80	2.62	2.52	2.21	1.47	1.07	31.81	2.90	5.78E+06
			9272	2.97	2.88	2.80	2.62	2.52	2.21	1.47				
			9240	3.02	2.88	2.80	2.62	2.52	2.21	1.47				
			9275	2.99	2.88	2.8	2.62	2.52	2.21	1.47				
23.2065	23.3911	478 + 87	9336	2.89	2.76	2.68	2.54	2.44	2.08	1.39	1.07	31.64	2.79	5.20E+06
			9296	2.89	2.76	2.68	2.54	2.40	2.08	1.39				
			9256	2.85	2.76	2.68	2.54	2.44	2.08	1.39				
			9296	2.88	2.76	2.68	2.54	2.43	2.08	1.39				
23.1945	23.3684	480 + 07	9352	3.10	2.88	2.80	2.66	2.56	2.21	1.51	1.09	31.43	2.95	5.20E+06
			9304	3.02	2.92	2.84	2.66	2.56	2.25	1.51				
			9328	3.06	2.88	2.80	2.66	2.56	2.21	1.51				
			9328	3.06	2.89	2.81	2.66	2.56	2.22	1.51				

Miles.ft	Log Miles	Station	LOAD lbs	d0 0"	d8 8"	d12 12"	d18 18"	d24 24"	d36 36"	d60 60"	Calculated Values			
											B	AREA in	Normalized d0 - 9000# in mils	Eslab
23.1825	23.3456	481 + 27	9304	3.18	3.08	2.93	2.78	2.64	2.25	1.51				
			9312	3.18	3.08	2.97	2.82	2.68	2.29	1.51				
			9320	3.22	3.08	2.93	2.82	2.68	2.29	1.55				
			9312	3.19	3.08	2.94	2.81	2.67	2.28	1.52	1.08	31.36	3.09	4.63E+06
23.1713	23.3244	482 + 39	9312	2.93	2.80	2.76	2.62	2.52	2.25	1.71				
			9320	2.93	2.80	2.76	2.62	2.52	2.25	1.71				
			9280	2.89	2.84	2.76	2.58	2.52	2.25	1.71				
			9304	2.92	2.81	2.76	2.61	2.52	2.25	1.71	1.06	32.35	2.82	7.00E+06
23.1601	23.3032	483 + 51	9392	3.22	3.08	3.01	2.82	2.72	2.37	1.59				
			9376	3.22	3.08	3.01	2.82	2.72	2.33	1.59				
			9360	3.26	3.08	3.01	2.86	2.72	2.37	1.59				
			9376	3.23	3.08	3.01	2.83	2.72	2.36	1.59	1.07	31.64	3.10	5.20E+06
23.148	23.2803	484 + 72	9360	2.81	2.67	2.59	2.41	2.32	2.00	1.35				
			9352	2.81	2.67	2.59	2.46	2.32	1.96	1.35				
			9320	2.81	2.67	2.59	2.46	2.32	2.00	1.35				
			9344	2.81	2.67	2.59	2.44	2.32	1.99	1.35	1.08	31.21	2.71	4.62E+06
23.136	23.2576	485 + 92	9312	2.97	2.88	2.80	2.62	2.52	2.17	1.47				
			9296	3.02	2.88	2.80	2.62	2.52	2.17	1.47				
			9288	2.97	2.88	2.80	2.62	2.52	2.17	1.51				
			9299	2.99	2.88	2.8	2.62	2.52	2.17	1.48	1.07	31.73	2.89	5.20E+06
23.1239	23.2347	487 + 13	9336	2.85	2.80	2.72	2.54	2.44	2.13	1.51				
			9360	2.81	2.76	2.64	2.50	2.40	2.08	1.43				
			9296	2.81	2.71	2.64	2.50	2.36	2.04	1.43				
			9331	2.82	2.76	2.67	2.51	2.4	2.08	1.46	1.06	31.96	2.72	6.08E+06
23.112	23.2121	488 + 32	9272	3.26	3.16	3.05	2.91	2.76	2.41	1.59				
			9256	3.22	3.12	3.05	2.86	2.76	2.37	1.59				
			9288	3.26	3.16	3.05	2.86	2.76	2.37	1.59				
			9272	3.25	3.15	3.05	2.88	2.76	2.38	1.59	1.06	31.88	3.15	6.08E+06
23.1	23.1894	489 + 52	9280	3.06	2.92	2.80	2.66	2.52	2.21	1.51				
			9256	3.02	2.92	2.80	2.66	2.52	2.21	1.47				
			9256	2.97	2.92	2.80	2.66	2.52	2.21	1.47				
			9264	3.02	2.92	2.8	2.66	2.52	2.21	1.48	1.08	31.56	2.93	5.20E+06
23.088	23.1667	490 + 72	9376	3.14	2.96	2.93	2.74	2.68	2.29	1.51				
			9360	3.10	3.00	2.93	2.74	2.64	2.29	1.51				
			9384	3.10	2.96	2.93	2.74	2.64	2.29	1.51				
			9373	3.11	2.97	2.93	2.74	2.65	2.29	1.51	1.06	31.93	2.99	5.78E+06
23.076	23.1439	491 + 92	9312	3.02	2.88	2.80	2.62	2.56	2.21	1.51				
			9376	2.93	2.84	2.76	2.58	2.48	2.17	1.47				
			9336	2.93	2.80	2.72	2.54	2.48	2.13	1.47				
			9341	2.96	2.84	2.76	2.58	2.51	2.17	1.48	1.07	31.75	2.85	6.08E+06
23.064	23.1212	493 + 12	9336	3.02	2.92	2.89	2.74	2.60	2.29	1.59				
			9328	3.06	2.92	2.84	2.74	2.60	2.29	1.59				
			9304	3.02	2.92	2.84	2.70	2.60	2.29	1.59				
			9323	3.03	2.92	2.86	2.73	2.6	2.29	1.59	1.06	32.12	2.93	6.08E+06
23.052	23.0985	494 + 32	9344	2.85	2.76	2.68	2.54	2.44	2.13	1.47				
			9360	2.85	2.76	2.68	2.54	2.44	2.13	1.47				
			9352	2.89	2.76	2.68	2.54	2.44	2.13	1.47				
			9352	2.86	2.76	2.68	2.54	2.44	2.13	1.47	1.07	31.92	2.76	5.78E+06

Miles ft	Log Miles	Station	LOAD lbs	d0 0"	d8 8"	d12 12"	d18 18"	d24 24"	d36 36"	d60 60"	Calculated Values			
											B	AREA in	Normalized d0 - 9000# in mils	Eslab
23.0401	23.0759	495 + 51	9272	2.73	2.63	2.55	2.41	2.32	2.04	1.39	1.06	32.12	2.65	6.36E+06
			9240	2.73	2.63	2.59	2.41	2.36	2.04	1.43				
			9280	2.73	2.63	2.59	2.41	2.36	2.04	1.43				
			9264	2.73	2.63	2.58	2.41	2.35	2.04	1.42				
23.028	23.0530	496 + 72	9328	3.14	3.04	2.97	2.78	2.68	2.29	1.59	1.07	31.71	3.05	5.70E+06
			9296	3.18	3.04	2.97	2.78	2.64	2.29	1.55				
			9320	3.14	3.04	2.93	2.78	2.64	2.29	1.55				
			9315	3.15	3.04	2.96	2.78	2.65	2.29	1.56				
23.016	23.0303	497 + 92	9360	3.02	2.88	2.80	2.62	2.52	2.17	1.51	1.07	31.71	2.88	5.78E+06
			9328	2.93	2.88	2.80	2.62	2.52	2.17	1.51				
			9336	3.02	2.88	2.80	2.62	2.52	2.17	1.51				
			9341	2.99	2.88	2.8	2.62	2.52	2.17	1.51				
23.0041	23.0078	499 + 11	9344	3.38	3.28	3.18	3.03	2.88	2.49	1.71	1.06	31.99	3.30	5.20E+06
			9304	3.46	3.32	3.26	3.11	2.96	2.58	1.79				
			9296	3.42	3.32	3.22	3.07	2.92	2.53	1.75				
			9315	3.42	3.31	3.22	3.07	2.92	2.53	1.75				
22.5201	22.9850	500 + 31	9304	3.06	2.96	2.89	2.70	2.60	2.25	1.55	1.06	31.83	2.97	5.78E+06
			9280	3.10	2.96	2.89	2.74	2.60	2.25	1.55				
			9328	3.06	2.96	2.89	2.74	2.60	2.25	1.55				
			9304	3.07	2.96	2.89	2.73	2.6	2.25	1.55				
22.508	22.9621	501 + 52	9304	3.22	3.12	3.05	2.82	2.72	2.33	1.67	1.07	31.66	3.12	5.78E+06
			9336	3.26	3.12	3.01	2.86	2.72	2.37	1.67				
			9312	3.22	3.08	3.01	2.82	2.72	2.33	1.67				
			9317	3.23	3.11	3.02	2.83	2.72	2.34	1.67				
22.4961	22.9396	502 + 71	9240	3.62	3.53	3.43	3.27	3.16	2.74	1.92	1.06	32.30	3.52	5.20E+06
			9256	3.62	3.53	3.43	3.23	3.12	2.74	1.87				
			9256	3.62	3.53	3.43	3.23	3.12	2.74	1.87				
			9251	3.62	3.53	3.43	3.24	3.13	2.74	1.89				
22.4842	22.9170	503 + 90	9248	3.30	3.24	3.14	2.99	2.84	2.49	1.71	1.06	32.12	3.23	6.02E+06
			9232	3.30	3.24	3.14	2.99	2.84	2.49	1.71				
			9240	3.34	3.20	3.10	2.99	2.84	2.49	1.67				
			9240	3.31	3.23	3.13	2.99	2.84	2.49	1.7				
22.4723	22.8945	505 + 09	9320	3.02	2.92	2.84	2.70	2.56	2.25	1.55	1.05	32.22	2.89	5.02E+06
			9296	2.97	2.92	2.84	2.66	2.56	2.25	1.55				
			9280	2.97	2.92	2.84	2.66	2.56	2.25	1.55				
			9299	2.99	2.92	2.84	2.67	2.56	2.25	1.55				
22.4603	22.8718	506 + 29	9280	3.46	3.36	3.31	3.15	3.04	2.70	2.04	1.05	32.62	3.39	7.00E+06
			9264	3.54	3.40	3.35	3.19	3.08	2.74	2.08				
			9256	3.46	3.36	3.31	3.15	3.04	2.70	2.04				
			9267	3.49	3.37	3.32	3.16	3.05	2.71	2.05				
22.4483	22.8491	507 + 49	9312	3.14	3.04	2.97	2.78	2.68	2.29	1.55	1.07	31.65	3.07	5.78E+06
			9256	3.18	3.04	2.93	2.78	2.64	2.29	1.55				
			9304	3.18	3.04	2.97	2.78	2.68	2.29	1.55				
			9291	3.17	3.04	2.96	2.78	2.67	2.29	1.55				
22.4363	22.8263	508 + 69	9296	2.89	2.80	2.68	2.54	2.44	2.08	1.39	1.07	31.63	2.79	5.78E+06
			9352	2.89	2.84	2.72	2.58	2.44	2.08	1.39				
			9296	2.89	2.80	2.68	2.54	2.44	2.08	1.39				
			9315	2.89	2.81	2.69	2.55	2.44	2.08	1.39				

Miles.ft	Log Miles	Station	LOAD lbs	d0 0"	d8 8"	d12 12"	d18 18"	d24 24"	d36 36"	d60 60"	Calculated Values			
											B	AREA in	Normalized d0 - 9000# in mils	Eslab
22.4243	22.8036	509 + 89	9224	2.65	2.51	2.43	2.29	2.16	1.84	1.14	1.09	30.99	2.57	5.20E+06
			9256	2.61	2.55	2.43	2.29	2.12	1.80	1.18				
			9232	2.65	2.51	2.43	2.29	2.16	1.84	1.14				
			AVE	9237	2.64	2.52	2.43	2.29	2.15	1.83				
22.4126	22.7814	511 + 06	9160	3.22	3.12	3.01	2.86	2.72	2.37	1.79	1.07	32.03	3.14	5.78E+06
			9192	3.22	3.12	3.01	2.86	2.76	2.41	1.79				
			9184	3.18	3.12	3.01	2.86	2.76	2.41	1.79				
			AVE	9179	3.21	3.12	3.01	2.86	2.75	2.4				
AVERAGE VALUES										B =	1.073		E =	5.64E+06
													Ecorr =	1.14

APPENDIX B

Corner Deflection Values

Miles ft	STATION	Log Mile	Load lbs	d0	d8	d12	d18	d24	d36	d60	Normalized d0	Standardized d0
				0"	8"	12"	18"	24"	36"	60"		
4.2088	232 + 06	13.668439	9456	2.78	2.37	2.16	1.87	1.67	1.26	0.65	2.65	3.10
4.1876	229 + 94	13.708591	9424	2.45	2.17	1.99	1.79	1.51	1.18	0.61	2.34	2.74
4.1681	227 + 99	13.745522	9424	3.14	2.65	2.41	2.03	1.79	1.30	0.61	3.00	3.51
4.1472	225 + 90	13.785106	9336	2.65	2.21	2.04	1.75	1.51	1.09	0.57	2.55	2.99
4.1279	223 + 97	13.821659	9320	3.47	3.13	2.99	2.77	2.63	2.23	1.70	3.35	3.92
4.1071	221 + 89	13.861053	9704	4.41	3.29	3.12	2.85	2.71	2.27	1.74	4.09	4.79
4.0893	220 + 11	13.894765	9672	2.98	2.81	2.66	2.44	2.27	1.86	1.45	2.77	3.24
4.0700	218 + 18	13.931318	9392	3.47	3.09	2.91	2.64	2.39	1.90	1.29	3.33	3.89
4.0505	216 + 23	13.968250	10392	3.84	3.49	3.24	2.93	2.67	2.07	1.33	3.33	3.89
4.0282	214 + 00	14.010484	10104	3.96	3.41	3.16	2.81	2.47	1.86	1.05	3.53	4.13
4.0087	212 + 05	14.047416	9368	3.63	3.21	2.99	2.73	2.51	2.03	1.37	3.49	4.08
3.3820	196 + 58	14.340409	9248	3.68	3.17	2.95	2.60	2.35	1.82	1.13	3.58	4.19
3.3611	194 + 49	14.379992	9968	4.61	4.14	3.91	3.58	3.30	2.71	1.90	4.16	4.87
3.3416	192 + 54	14.416924	9248	4.82	4.34	4.07	3.70	3.46	2.96	2.02	4.69	5.49
3.3109	189 + 47	14.475068	9376	3.06	2.69	2.49	2.28	2.11	1.70	1.13	2.94	3.44
3.3003	188 + 41	14.495144	9488	3.31	3.05	2.87	2.68	2.47	2.11	1.49	3.14	3.67
3.2899	187 + 37	14.514841	9792	3.47	3.01	2.83	2.56	2.31	1.90	1.33	3.19	3.73
3.2808	186 + 46	14.532075	9424	3.59	3.17	2.99	2.73	2.51	2.07	1.45	3.43	4.01
3.2596	184 + 34	14.572227	9608	3.76	3.49	3.37	3.13	2.99	2.59	1.98	3.52	4.12
3.1950	177 + 88	14.694575	9552	3.14	3.05	2.87	2.64	2.43	2.03	1.41	2.96	3.46
3.1905	177 + 43	14.703098	9496	3.39	3.09	2.91	2.73	2.51	2.11	1.49	3.21	3.76
3.1754	175 + 92	14.731697	9520	3.19	2.93	2.83	2.56	2.39	1.99	1.45	3.02	3.53
3.1649	174 + 87	14.751583	9472	3.55	3.25	3.07	2.85	2.63	2.23	1.62	3.37	3.95
3.1544	173 + 82	14.771469	10168	3.84	3.65	3.45	3.21	2.99	2.55	1.82	3.40	3.98
3.1454	172 + 92	14.788515	9904	3.47	3.13	2.95	2.68	2.43	2.03	1.45	3.15	3.69
3.1349	171 + 87	14.808401	9952	3.35	3.09	2.87	2.56	2.31	1.94	1.33	3.03	3.54
3.1242	170 + 80	14.828666	9384	3.31	2.85	2.91	2.48	2.35	1.82	1.25	3.17	3.71
3.1152	169 + 90	14.845712	9528	3.63	3.21	2.99	2.73	2.47	1.99	1.37	3.43	4.01
3.1046	168 + 84	14.865787	9576	3.47	3.13	2.95	2.64	2.43	1.99	1.41	3.26	3.82
3.0956	167 + 94	14.882833	9592	3.27	3.05	2.95	2.77	2.63	2.23	1.74	3.07	3.59
3.0762	166 + 00	14.919575	10144	3.27	3.09	2.95	2.73	2.51	2.23	1.58	2.90	3.39
3.0568	164 + 06	14.956318	9616	3.39	3.01	2.78	2.60	2.39	1.94	1.37	3.17	3.71
3.0416	162 + 54	14.985106	10192	3.35	2.97	2.87	2.56	2.47	2.07	1.49	2.96	3.46
3.0371	162 + 09	14.993628	9920	3.43	2.93	2.83	2.52	2.55	2.03	1.45	3.11	3.64
3.0309	161 + 47	15.005371	9624	3.02	2.81	2.62	2.73	2.51	2.03	1.49	2.82	3.30
3.0114	159 + 52	15.042303	9312	2.98	2.77	2.62	2.40	2.27	1.86	1.29	2.88	3.37
2.5199	157 + 57	15.079234	9400	4.04	3.78	3.61	3.34	3.10	2.67	1.98	3.87	4.53
2.4988	155 + 46	15.119197	9840	3.23	2.97	2.78	2.60	2.47	2.03	1.49	2.95	3.46
2.4794	153 + 52	15.155939	9256	3.19	2.93	2.78	2.56	2.39	1.99	1.41	3.10	3.63
2.4600	151 + 58	15.192681	9536	3.59	3.29	3.07	2.81	2.51	2.15	1.37	3.39	3.96
2.4541	150 + 99	15.203856	9320	3.96	3.65	3.45	3.17	2.91	2.59	1.70	3.82	4.47
2.4495	150 + 53	15.212568	9424	3.72	3.05	2.91	3.05	2.83	1.99	1.45	3.55	4.16
2.4451	150 + 09	15.220901	9344	3.35	3.01	2.83	2.56	2.43	1.99	1.41	3.23	3.78
2.4391	149 + 49	15.232265	9344	3.55	3.21	3.03	2.73	2.51	2.07	1.41	3.42	4.00
2.4301	148 + 59	15.249310	10104	3.39	3.13	2.95	2.73	2.51	2.07	1.45	3.02	3.53
2.4196	147 + 54	15.269197	9200	3.84	3.49	3.16	2.97	2.83	2.27	1.58	3.76	4.40
2.4091	146 + 49	15.289083	9328	3.47	3.13	2.99	2.77	2.51	2.15	1.49	3.35	3.92
2.4003	145 + 61	15.305750	9296	3.23	2.97	2.83	2.64	2.43	1.90	1.37	3.13	3.66
2.3793	143 + 51	15.345522	9312	3.88	3.57	3.37	3.09	2.83	2.39	1.62	3.75	4.39
2.3702	142 + 60	15.362757	9432	3.76	3.37	3.16	2.89	2.67	2.19	1.49	3.59	4.20
2.3598	141 + 56	15.382454	9216	3.63	3.29	3.12	2.89	2.63	2.23	1.58	3.54	4.15
2.3492	140 + 50	15.402530	9408	3.23	2.93	2.74	2.52	2.39	1.94	1.41	3.09	3.62
2.3403	139 + 61	15.419386	9320	3.19	2.93	2.83	2.60	2.43	2.03	1.45	3.08	3.60
2.3193	137 + 51	15.459159	9344	3.02	2.89	2.74	2.52	2.31	1.94	1.37	2.91	3.40
2.3103	136 + 61	15.476204	9256	3.92	3.53	3.37	3.09	2.83	2.39	1.66	3.81	4.46
2.2998	135 + 56	15.496091	9312	2.98	2.73	2.53	2.36	2.15	1.90	1.29	2.88	3.37
2.2892	134 + 50	15.516166	9352	2.98	2.73	2.58	2.40	2.19	1.90	1.37	2.87	3.36
2.2802	133 + 60	15.533212	9248	3.51	3.17	2.95	2.73	2.51	2.07	1.49	3.42	4.00
2.2592	131 + 50	15.572984	9296	3.55	3.21	3.03	2.85	2.63	2.19	1.58	3.44	4.02
2.2472	130 + 30	15.595712	9368	3.59	3.25	3.07	2.85	2.59	2.15	1.54	3.45	4.04
2.2396	129 + 54	15.610106	9320	3.51	3.25	3.12	2.85	2.63	2.23	1.58	3.39	3.97
2.2291	128 + 49	15.629992	9312	2.94	2.85	2.49	2.32	2.11	1.78	1.25	2.84	3.32
2.2096	126 + 54	15.666924	9288	3.31	3.13	2.99	2.81	2.59	2.27	1.66	3.21	3.75
2.1887	124 + 45	15.706507	9368	3.43	3.13	2.99	2.81	2.55	2.15	1.54	3.30	3.86
2.1692	122 + 50	15.743439	9192	3.39	3.13	2.99	2.81	2.63	2.27	1.70	3.32	3.88
2.1586	121 + 44	15.763515	9376	3.14	2.93	2.91	2.64	2.47	2.03	1.62	3.01	3.53
2.1507	120 + 65	15.778477	9320	4.90	4.38	4.11	3.78	3.50	2.84	1.94	4.73	5.54
2.1312	118 + 70	15.815409	9256	3.96	3.53	3.28	2.97	2.71	2.19	1.45	3.85	4.51
2.1056	116 + 14	15.863894	9296	4.74	4.30	4.07	3.78	3.50	2.88	1.98	4.59	5.37
2.0847	114 + 05	15.903477	9312	4.41	4.02	3.74	3.46	3.18	2.71	1.90	4.26	4.99

Miles ft	STATION	Log Mile	Load lbs	d0 0"	d8 8"	d12 12"	d18 18"	d24 24"	d36 36"	d60 60"	Normalized d0	Standardized d0
2.0697	112 + 55	15.931886	9272	4.37	3.78	3.53	3.13	2.83	2.23	1.41	4.24	4.96
2.0607	111 + 65	15.948931	9264	4.12	3.73	3.53	3.25	2.99	2.59	1.82	4.00	4.68
2.0397	109 + 55	15.988704	9248	4.66	4.18	3.91	3.54	3.26	2.67	1.82	4.54	5.31
2.0247	108 + 05	16.017113	9160	6.82	6.10	5.73	5.25	4.82	3.89	2.55	6.70	7.84
2.0202	107 + 60	16.025636	9304	4.37	3.90	3.66	3.34	3.03	2.51	1.74	4.23	4.95
2.0157	107 + 15	16.034159	9336	4.45	4.02	3.74	3.38	3.06	2.51	1.70	4.29	5.02
2.0007	105 + 65	16.062568	9344	4.17	3.73	3.49	3.21	2.95	2.39	1.66	4.02	4.70
1.5076	103 + 54	16.102530	9288	4.70	4.10	3.82	3.38	3.06	2.35	1.49	4.55	5.33
1.4882	101 + 60	16.139272	9224	4.82	4.14	3.82	3.42	3.03	2.35	1.41	4.70	5.50
1.4687	99 + 65	16.176204	9304	3.68	3.17	2.95	2.64	2.35	1.82	1.13	3.56	4.16
1.4477	97 + 55	16.215977	9288	3.76	3.29	3.07	2.77	2.47	1.94	1.17	3.64	4.26
1.4327	96 + 05	16.244386	9528	3.39	3.05	2.87	2.60	2.39	1.94	1.25	3.20	3.75
1.4238	95 + 16	16.261242	9248	4.41	3.86	3.61	3.21	2.91	2.39	1.54	4.29	5.02
1.4133	94 + 11	16.281128	9280	3.23	2.93	2.78	2.60	2.43	2.07	1.49	3.13	3.67
1.3938	92 + 16	16.318060	9264	3.51	3.17	2.99	2.73	2.47	2.03	1.37	3.41	3.99
1.3878	91 + 56	16.329424	9360	3.47	3.13	2.91	2.64	2.39	1.99	1.37	3.34	3.90
1.3833	91 + 11	16.337947	9360	3.35	2.93	2.78	2.52	2.35	1.94	1.33	3.22	3.77
1.3724	90 + 02	16.358591	9192	4.25	3.73	3.49	3.17	2.87	2.35	1.62	4.16	4.87
1.3528	88 + 06	16.395712	9328	3.14	2.77	2.58	2.32	2.07	1.62	1.05	3.03	3.54
1.3318	85 + 96	16.435484	9856	3.80	3.41	3.20	2.93	2.67	2.23	1.49	3.47	4.06
1.3274	85 + 52	16.443818	9344	4.00	3.65	3.45	3.13	2.87	2.47	1.74	3.85	4.51
1.3168	84 + 46	16.463894	9264	4.21	3.78	3.57	3.25	2.99	2.43	1.62	4.09	4.79
1.3032	83 + 10	16.489651	9168	3.72	3.25	3.03	2.77	2.47	2.03	1.33	3.65	4.27
1.2866	81 + 44	16.521091	9336	3.51	3.21	2.99	2.77	2.51	2.07	1.41	3.38	3.96
1.2820	80 + 98	16.529803	9216	3.72	3.29	3.07	2.81	2.55	2.11	1.41	3.63	4.25
1.2774	80 + 52	16.538515	9256	3.92	3.49	3.28	2.97	2.71	2.23	1.49	3.81	4.46
1.2729	80 + 07	16.547037	9296	3.84	3.37	3.16	2.89	2.63	2.15	1.41	3.72	4.35
1.2624	79 + 02	16.566924	9264	3.02	2.69	2.53	2.32	2.11	1.78	1.21	2.93	3.43
1.2518	77 + 96	16.587000	9536	3.76	3.33	3.07	2.81	2.51	2.07	1.37	3.55	4.15
1.2428	77 + 06	16.604045	9280	4.04	3.78	3.53	3.21	2.99	2.43	1.74	3.92	4.58
1.2279	75 + 57	16.632265	9152	3.88	3.45	3.28	2.93	2.79	2.27	1.54	3.82	4.46
1.2234	75 + 12	16.640787	9104	4.49	4.10	3.86	3.54	3.30	2.76	1.98	4.44	5.19
1.2129	74 + 07	16.660674	9224	4.12	3.61	3.37	3.05	2.75	2.27	1.49	4.02	4.70
1.2083	73 + 61	16.669386	9216	4.04	3.57	3.32	3.01	2.75	2.27	1.54	3.95	4.62
1.2023	73 + 01	16.680750	9288	4.25	3.82	3.57	3.25	2.99	2.39	1.62	4.12	4.82
1.1980	72 + 58	16.688894	9296	4.29	3.90	3.70	3.38	3.06	2.55	1.82	4.15	4.86
1.1785	70 + 63	16.725825	9224	2.98	2.69	2.49	2.24	2.03	1.62	1.05	2.91	3.40
1.1576	68 + 54	16.765409	9256	3.63	3.21	2.95	2.64	2.31	1.82	1.13	3.53	4.13
1.1468	67 + 46	16.785863	9616	3.14	2.73	2.53	2.24	2.03	1.58	1.01	2.94	3.44
1.1377	66 + 55	16.803098	9264	3.35	2.93	2.70	2.44	2.19	1.74	1.09	3.25	3.81
1.1273	65 + 51	16.822795	9280	3.68	3.21	2.99	2.68	2.43	1.99	1.33	3.57	4.18
1.1168	64 + 46	16.842681	9240	3.10	2.69	2.53	2.28	2.07	1.62	1.05	3.02	3.53
1.0974	62 + 52	16.879424	9240	3.51	3.01	2.78	2.48	2.19	1.74	1.05	3.42	4.00
1.0869	61 + 47	16.899310	9240	3.10	2.77	2.58	2.36	2.15	1.70	1.13	3.02	3.53
1.0779	60 + 57	16.916356	9160	4.00	3.57	3.37	3.01	2.79	2.27	1.49	3.93	4.60
1.0570	58 + 48	16.955939	9256	3.84	3.37	3.16	2.85	2.51	2.07	1.37	3.73	4.37
1.0525	58 + 03	16.964462	9184	3.59	3.25	3.12	2.85	2.67	2.19	1.58	3.52	4.12
1.0418	56 + 96	16.984727	9400	3.72	3.41	3.20	2.97	2.71	2.35	1.66	3.56	4.17
1.0269	55 + 47	17.012947	9272	3.19	2.81	2.66	2.44	2.19	1.82	1.25	3.10	3.62
1.0119	53 + 97	17.041356	9296	3.39	3.09	2.91	2.68	2.43	2.07	1.49	3.28	3.84
0.5249	52 + 47	17.069765	9536	3.23	2.93	2.74	2.48	2.23	1.86	1.25	3.05	3.57
0.5099	50 + 97	17.098174	9224	3.47	3.05	2.87	2.64	2.47	1.90	1.37	3.39	3.96
0.5009	50 + 07	17.115219	9112	3.76	3.29	3.03	2.77	2.55	2.03	1.37	3.71	4.35
0.4949	49 + 47	17.126583	9352	4.17	3.73	3.49	3.21	2.95	2.39	1.66	4.01	4.70
0.4904	49 + 02	17.135106	9728	3.72	3.33	3.20	2.89	2.63	2.23	1.54	3.44	4.03
0.4861	48 + 59	17.143250	9312	3.59	3.21	2.99	2.73	2.51	2.07	1.45	3.47	4.06
0.4712	47 + 10	17.171469	9280	3.47	3.13	2.95	2.73	2.51	2.15	1.54	3.37	3.94
0.4607	46 + 05	17.191356	9400	3.88	3.45	3.28	2.93	2.79	2.23	1.58	3.71	4.35

Log Mile	Load lbs	d0 0"	d8 8"	d12 12"	d18 18"	d24 24"	d36 36"	d60 60"	Normalized d0 mils	Standardized d0 mils
S 3.467P2J2	10128	12.06	10.94	10.29	9.25	8.36	6.79	3.79	10.72	13.40
	10120	12.10	10.94	10.33	9.29	8.40	6.79	3.83	10.76	13.45
	10128	12.18	11.02	10.42	9.33	8.48	6.87	3.87	10.82	13.53
AVE	10125	12.11	10.97	10.35	9.29	8.41	6.82	3.83	10.77	13.46
S 3.490P2J2	10168	10.45	9.32	8.79	7.94	7.08	5.64	3.14	9.25	11.56
	10224	10.45	9.24	8.74	7.98	7.08	5.64	3.22	9.20	11.50
	10128	10.45	9.20	8.74	8.02	7.08	5.64	3.22	9.29	11.61
AVE	10173	10.45	9.25	8.76	7.98	7.08	5.64	3.19	9.24	11.56
S 3.514P2J2	10176	10.89	9.64	9.08	8.14	7.28	5.76	3.22	9.63	12.04
	10168	10.97	9.72	9.16	8.18	7.32	5.85	3.26	9.71	12.14
	10200	10.93	9.68	9.16	8.18	7.32	5.80	3.18	9.64	12.06
AVE	10181	10.93	9.68	9.13	8.17	7.31	5.80	3.22	9.66	12.08
S 3.537P2J2	10200	10.69	9.60	9.12	8.27	7.52	6.17	3.71	9.43	11.79
	10192	10.73	9.56	9.12	8.31	7.52	6.13	3.71	9.48	11.84
	10192	10.73	9.56	9.12	8.27	7.52	6.13	3.71	9.48	11.84
AVE	10195	10.72	9.57	9.12	8.28	7.52	6.14	3.71	9.46	11.83
S 3.549P2J2	10080	11.86	10.78	10.21	9.33	8.48	7.07	4.32	10.59	13.24
	10048	11.82	10.78	10.25	9.41	8.52	7.11	4.40	10.59	13.23
	10088	11.90	10.74	10.25	9.33	8.52	7.03	4.32	10.62	13.27
AVE	10072	11.86	10.77	10.24	9.36	8.51	7.07	4.35	10.60	13.25
S 3.572P2J2	10208	11.18	10.13	9.62	8.76	8.00	6.62	4.08	9.86	12.32
	10176	11.18	10.09	9.58	8.76	7.96	6.58	4.04	9.89	12.36
	10168	11.18	10.09	9.58	8.72	8.00	6.58	4.04	9.90	12.37
AVE	10184	11.18	10.10	9.59	8.75	7.99	6.59	4.05	9.88	12.35
S 3.596P2J2	9992	13.59	12.24	11.80	10.84	9.92	8.42	5.34	12.24	15.30
	9952	13.51	12.20	11.76	10.80	9.88	8.38	5.30	12.22	15.27
	9992	13.59	12.28	11.84	10.88	9.96	8.46	5.38	12.24	15.30
AVE	9979	13.56	12.24	11.80	10.84	9.92	8.42	5.34	12.23	15.29
S 3.619P2J2	9904	12.94	11.75	11.21	10.23	9.32	7.77	4.77	11.76	14.70
	9952	12.98	11.79	11.21	10.27	9.40	7.77	4.85	11.74	14.67
	9944	12.98	11.75	11.17	10.19	9.32	7.77	4.77	11.75	14.68
AVE	9933	12.97	11.76	11.20	10.23	9.35	7.77	4.80	11.75	14.69
S 3.642P2J2	10152	12.38	11.06	10.54	9.58	8.76	7.19	4.36	10.98	13.72
	10208	12.42	11.10	10.54	9.62	8.76	7.19	4.36	10.95	13.69
	10160	12.34	11.02	10.50	9.58	8.76	7.15	4.40	10.93	13.66
AVE	10173	12.38	11.06	10.53	9.59	8.76	7.18	4.37	10.95	13.69

Log Mile	Load lbs	d0	d8	d12	d18	d24	d36	d60	Normalized d0 mils	Standardized d0 mils
		0"	8"	12"	18"	24"	36"	60"		
S 3.666P2J2	10280	10.97	9.97	9.54	8.68	7.96	6.66	4.12	9.60	12.01
	10296	10.97	9.97	9.54	8.72	7.96	6.62	4.12	9.59	11.99
	10296	10.97	9.93	9.50	8.68	8.00	6.58	4.12	9.59	11.99
	AVE	10291	10.97	9.96	9.53	8.69	7.97	6.62	4.12	9.59
S 3.689P2J2	10288	13.83	12.44	11.88	10.80	9.84	8.09	4.81	12.10	15.12
	10288	13.87	12.44	11.84	10.80	9.84	8.09	4.81	12.13	15.17
	10296	13.91	12.48	11.92	10.84	9.88	8.09	4.85	12.16	15.20
	AVE	10291	13.87	12.45	11.88	10.81	9.85	8.09	4.82	12.13
S 3.713P2J2	10128	13.83	12.52	11.80	10.68	9.72	7.97	4.77	12.29	15.36
	10104	13.79	12.48	11.76	10.68	9.72	7.93	4.73	12.28	15.35
	10088	13.79	12.40	11.76	10.68	9.72	7.93	4.69	12.30	15.38
	AVE	10107	13.80	12.47	11.77	10.68	9.72	7.94	4.73	12.29
S 3.736P2J2	10088	14.15	12.68	12.09	10.93	10.00	8.18	4.93	12.62	15.78
	10096	14.19	12.68	12.05	11.01	10.00	8.18	4.89	12.65	15.81
	10088	14.19	12.68	12.05	11.01	10.00	8.18	4.89	12.66	15.82
	AVE	10091	14.18	12.68	12.06	10.98	10.00	8.18	4.90	12.64
S 3.759P2J2	10200	10.21	9.12	8.58	7.69	6.92	5.52	3.18	9.01	11.26
	10200	10.21	9.08	8.58	7.65	6.92	5.48	3.18	9.01	11.26
	10184	10.21	9.12	8.58	7.69	6.92	5.52	3.18	9.02	11.28
	AVE	10195	10.21	9.11	8.58	7.68	6.92	5.51	3.18	9.01
S 3.782P2J2	10208	10.89	9.77	9.25	8.35	7.60	6.17	3.67	9.60	12.00
	10200	10.89	9.72	9.25	8.35	7.60	6.17	3.67	9.61	12.01
	10200	10.89	9.72	9.20	8.35	7.60	6.17	3.71	9.61	12.01
	AVE	10203	10.89	9.74	9.23	8.35	7.60	6.17	3.68	9.61
S 3.806P2J2	10264	9.81	8.79	8.37	7.61	6.88	5.64	3.38	8.60	10.75
	10272	9.81	8.83	8.41	7.61	6.92	5.64	3.38	8.60	10.74
	10248	9.81	8.79	8.37	7.57	6.88	5.64	3.38	8.62	10.77
	AVE	10261	9.81	8.80	8.38	7.60	6.89	5.64	3.38	8.60
S 3.829P2J2	10368	6.75	5.88	5.52	4.99	4.56	3.72	2.36	5.86	7.32
	10376	6.75	5.92	5.56	4.99	4.56	3.72	2.36	5.85	7.32
	10408	6.71	5.92	5.56	4.99	4.56	3.72	2.36	5.80	7.25
	AVE	10384	6.74	5.91	5.55	4.99	4.56	3.72	2.36	5.84

	Log Mile	LOAD lbs	d0 0"	d8 8"	d12 12"	d18 18"	d24 24"	d36 36"	d60 60"	Normalized d0	Standardized d0
S	2.431P2J2	9344	5.51	5.02	4.74	4.35	4.02	3.32	2.22	5.31	6.63
S	2.527P2J2	9312	5.27	4.78	4.53	4.11	3.82	3.20	2.22	5.09	6.37
S	2.629P2J2	9184	4.78	4.34	4.07	3.70	3.34	2.67	1.74	4.68	5.86
S	2.731P2J2	9192	4.74	4.26	3.99	3.66	3.38	2.76	1.82	4.64	5.80
S	2.830P2J2	9192	4.70	4.30	4.07	3.74	3.50	2.92	2.06	4.60	5.75
S	2.929P2J2	9400	5.72	5.26	5.03	4.72	4.50	3.77	2.71	5.48	6.85
S	3.032P2J2	9448	4.33	3.86	3.66	3.30	3.06	2.55	1.74	4.12	5.16
S	3.129P2J2	9264	5.68	5.10	4.82	4.39	4.06	3.28	2.22	5.52	6.90
S	3.231P2J2	9336	4.29	3.98	3.78	3.46	3.22	2.67	1.90	4.14	5.17
S	3.330P2J2	9664	5.02	4.58	4.32	4.03	3.70	3.00	2.10	4.68	5.84
S	3.429P2J2	9720	4.57	4.14	3.86	3.50	3.22	2.63	1.82	4.23	5.29
S	3.531P2J2	9240	5.15	4.58	4.28	3.91	3.58	2.96	2.10	5.02	6.27
S	3.633P2J2	9352	4.41	3.98	3.74	3.46	3.22	2.67	1.98	4.24	5.31
S	3.730P2J2	9720	4.29	3.94	3.61	3.38	3.22	2.59	1.90	3.97	4.97
S	3.829P2J2	9272	4.21	3.94	3.74	3.50	3.26	2.80	2.06	4.09	5.11
S	3.931P2J2	9384	3.72	3.41	3.28	3.05	2.87	2.47	1.86	3.57	4.46
S	4.030P2J2	9376	3.68	3.41	3.24	3.05	2.87	2.43	1.70	3.53	4.42
S	4.132P2J2	9280	4.00	3.65	3.49	3.25	2.99	2.51	1.78	3.88	4.85
S	4.232P2J2	9488	4.74	4.22	4.03	3.66	3.34	2.80	1.94	4.50	5.62
S	4.331P2J2	9168	4.78	4.34	4.11	3.78	3.54	2.92	2.06	4.69	5.87

Miles ft	LOG MILES	Station	LOAD lbs	d0 0"	d8 8"	d12 12"	d18 18"	d24 24"	d36 36"	d60 60"	Normalized d0 mils	Standardized d0 mils
25 1341	25.2540	38051 380 + 51	9480	4 18	3 89	3 72	3 40	3 16	2 74	2 00	3 97	4 52
			9480	4 18	3 89	3 72	3 40	3 16	2 74	2 00	3 97	4 52
			9480	4 18	3 89	3 72	3 40	3 20	2 78	2 00	3 97	4 52
			9480	4.18	3.89	3.72	3.40	3.17	2.75	2.00	3.97	4.52
25 1222	25.2314	38170 381 + 70	9488	4 14	3 73	3 56	3 19	3 04	2 58	1 75	3 93	4 48
			9432	4 06	3 73	3 56	3 19	3 00	2 53	1 75	3 87	4 42
			9432	4 14	3 69	3 51	3 19	3 00	2 53	1 75	3 95	4 50
			9451	4.11	3.72	3.54	3.19	3.01	2.55	1.75	3.92	4.47
25 1102	25.2087	38290 382 + 90	9536	3 82	3 53	3 35	3 11	2 88	2 45	1 75	3 61	4 11
			9544	3 74	3 53	3 31	3 07	2 84	2 41	1 71	3 53	4 02
			9512	3 74	3 53	3 31	3 07	2 84	2 41	1 71	3 54	4 03
			9531	3.77	3.53	3.32	3.08	2.85	2.42	1.72	3.56	4.05
25 0980	25.1856	38412 384 + 12	9544	3 90	3 53	3 35	3 03	2 84	2 37	1 63	3 68	4 19
			9488	3 86	3 53	3 35	3 07	2 80	2 37	1 63	3 66	4 17
			9488	3 86	3 53	3 31	3 03	2 76	2 33	1 63	3 66	4 17
			9507	3.87	3.53	3.34	3.04	2.80	2.36	1.63	3.67	4.18
25 0860	25.1629	38532 385 + 32	9512	4 34	3 89	3 68	3 31	3 08	2 58	1 75	4 11	4 68
			9488	4 30	3 89	3 68	3 31	3 12	2 62	1 79	4 08	4 65
			9488	4 30	3 89	3 64	3 31	3 08	2 58	1 71	4 08	4 65
			9496	4.31	3.89	3.67	3.31	3.09	2.59	1.75	4.09	4.66
25 0740	25.1402	38652 386 + 52	9328	3 94	3 61	3 39	3 11	2 88	2 45	1 75	3 80	4 33
			9320	3 98	3 61	3 39	3 11	2 92	2 45	1 75	3 84	4 38
			9280	3 94	3 61	3 39	3 11	2 88	2 45	1 75	3 82	4 36
			9309	3.95	3.61	3.39	3.11	2.89	2.45	1.75	3.82	4.36
25 0621	25.1176	38771 387 + 71	9544	4 22	3 89	3 60	3 23	3 04	2 62	1 79	3 98	4 54
			9536	4 18	3 81	3 56	3 23	3 04	2 58	1 83	3 95	4 50
			9520	4 18	3 85	3 56	3 23	3 04	2 58	1 79	3 95	4 50
			9533	4.19	3.85	3.57	3.23	3.04	2.59	1.80	3.96	4.51
25 0501	25.0949	38891 388 + 91	9544	4 14	3 81	3 64	3 36	3 16	2 74	2 00	3 90	4 45
			9552	4 14	3 81	3 60	3 36	3 16	2 74	2 00	3 90	4 45
			9520	4 14	3 81	3 60	3 36	3 16	2 74	2 00	3 91	4 46
			9539	4.14	3.81	3.61	3.36	3.16	2.74	2.00	3.91	4.45
25 0380	25.0720	39012 390 + 12	9464	4 02	3 69	3 39	3 15	2 88	2 41	1 75	3 82	4 36
			9448	3 98	3 65	3 39	3 11	2 88	2 45	1 71	3 79	4 32
			9496	4 02	3 65	3 43	3 15	2 88	2 45	1 71	3 81	4 34
			9469	4.01	3.66	3.40	3.14	2.88	2.44	1.72	3.81	4.34
25 0260	25.0492	39132 391 + 32	9448	4 58	4 21	3 97	3 64	3 44	2 94	2 04	4 36	4 97
			9456	4 54	4 17	3 93	3 64	3 40	2 90	2 04	4 32	4 93
			9440	4 54	4 17	3 93	3 64	3 40	2 90	2 04	4 33	4 93
			9448	4.55	4.18	3.94	3.64	3.41	2.91	2.04	4.34	4.94
25 0140	25.0265	39252 392 + 52	9480	4 26	3 93	3 77	3 44	3 24	2 82	2 04	4 04	4 61
			9448	4 18	3 85	3 64	3 36	3 16	2 70	1 96	3 98	4 54
			9472	4 18	3 93	3 72	3 44	3 20	2 78	2 04	3 97	4 53
			9467	4.21	3.90	3.71	3.41	3.20	2.77	2.01	4.00	4.56
25 0021	25.0040	39371 393 + 71	9448	4 22	3 97	3 72	3 48	3 28	2 82	2 08	4 02	4 58
			9448	4 18	3 93	3 72	3 44	3 24	2 78	2 04	3 98	4 54
			9440	4 22	3 97	3 68	3 44	3 24	2 78	2 04	4 02	4 59
			9445	4.21	3.96	3.71	3.45	3.25	2.79	2.05	4.01	4.57

Addendum to Appendix B - Corner Deflection Values

Route 54, Fulton Bypass

Miles ft	LOG MILES	Station	LOAD lbs	d0 0"	d8 8"	d12 12"	d18 18"	d24 24"	d36 36"	d60 60"	Normalized d0 mils	Standardized d0 mils
24.5180	24.9811	39492 394 + 92	9448	3.66	3.36	3.14	2.82	2.68	2.25	1.43	3.49	3.97
			9456	3.70	3.32	3.18	2.86	2.72	2.25	1.39	3.52	4.01
			9440	3.70	3.32	3.18	2.86	2.68	2.25	1.43	3.53	4.02
			9448	3.69	3.33	3.17	2.85	2.69	2.25	1.42	3.51	4.00
24.5061	24.9585	39611 396 + 11	9424	4.26	3.77	3.51	3.23	2.96	2.49	1.75	4.07	4.64
			9456	4.38	3.81	3.56	3.23	3.00	2.53	1.75	4.17	4.75
			9408	4.22	3.77	3.51	3.23	3.00	2.53	1.75	4.04	4.60
			9429	4.29	3.78	3.53	3.23	2.99	2.52	1.75	4.09	4.66
24.4941	24.9358	39731 397 + 31	9544	3.78	3.48	3.31	3.03	2.84	2.41	1.71	3.56	4.06
			9576	3.82	3.48	3.31	3.07	2.84	2.41	1.71	3.59	4.09
			9544	3.82	3.48	3.26	3.07	2.84	2.41	1.71	3.60	4.11
			9555	3.81	3.48	3.29	3.06	2.84	2.41	1.71	3.59	4.09
24.4822	24.9133	39850 398 + 50	9520	3.46	3.16	2.93	2.70	2.48	2.04	1.43	3.27	3.73
			9528	3.42	3.16	2.93	2.70	2.48	2.04	1.43	3.23	3.68
			9504	3.46	3.16	2.97	2.70	2.56	2.13	1.47	3.28	3.74
			9517	3.45	3.16	2.94	2.70	2.51	2.07	1.44	3.26	3.72
24.4701	24.8903	39971 399 + 71	9520	3.50	3.24	3.05	2.78	2.60	2.17	1.51	3.31	3.77
			9504	3.54	3.24	3.05	2.78	2.60	2.21	1.51	3.35	3.82
			9448	3.50	3.24	3.05	2.78	2.60	2.21	1.51	3.33	3.80
			9491	3.51	3.24	3.05	2.78	2.60	2.20	1.51	3.33	3.80
24.4581	24.8676	40091 400 + 91	9496	3.90	3.53	3.31	2.95	2.72	2.25	1.47	3.70	4.21
			9416	3.90	3.48	3.31	2.91	2.72	2.25	1.47	3.73	4.25
			9464	3.90	3.48	3.31	2.95	2.72	2.25	1.51	3.71	4.23
			9459	3.90	3.50	3.31	2.94	2.72	2.25	1.48	3.71	4.23
24.4462	24.8451	40210 402 + 10	9464	4.06	3.69	3.43	3.11	2.92	2.41	1.63	3.86	4.40
			9496	4.10	3.69	3.47	3.11	2.92	2.45	1.63	3.89	4.43
			9496	4.06	3.69	3.43	3.11	2.92	2.45	1.59	3.85	4.39
			9485	4.07	3.69	3.44	3.11	2.92	2.44	1.62	3.86	4.41
24.4341	24.8222	40331 403 + 31	9512	3.94	3.73	3.56	3.27	3.12	2.74	2.04	3.73	4.25
			9496	3.90	3.73	3.56	3.27	3.12	2.74	2.00	3.70	4.21
			9496	3.90	3.69	3.51	3.27	3.12	2.70	2.04	3.70	4.21
			9501	3.91	3.72	3.54	3.27	3.12	2.73	2.03	3.71	4.23
24.4221	24.7994	40451 404 + 51	9536	4.18	3.93	3.77	3.48	3.28	2.82	2.04	3.95	4.50
			9496	4.18	3.97	3.77	3.44	3.32	2.86	2.12	3.96	4.52
			9480	4.14	3.89	3.72	3.48	3.24	2.82	2.04	3.93	4.48
			9504	4.17	3.93	3.75	3.47	3.28	2.83	2.07	3.95	4.50
24.4100	24.7765	40572 405 + 72	9560	4.70	4.30	4.06	3.76	3.56	3.07	2.20	4.42	5.04
			9528	4.66	4.30	4.06	3.76	3.56	3.03	2.20	4.40	5.02
			9520	4.62	4.25	4.06	3.76	3.52	3.03	2.20	4.37	4.98
			9536	4.66	4.28	4.06	3.76	3.55	3.04	2.20	4.40	5.01
24.3981	24.7540	40691 406 + 91	9528	4.14	3.77	3.51	3.23	3.04	2.58	1.83	3.91	4.46
			9456	4.14	3.73	3.56	3.27	3.04	2.58	1.83	3.94	4.49
			9496	4.06	3.77	3.56	3.31	3.08	2.62	1.87	3.85	4.39
			9493	4.11	3.76	3.54	3.27	3.05	2.59	1.84	3.90	4.45
24.3861	24.7313	40811 408 + 11	9552	3.86	3.61	3.43	3.15	2.96	2.53	1.83	3.64	4.15
			9480	3.74	3.53	3.35	3.07	2.88	2.45	1.75	3.55	4.05
			9496	3.74	3.53	3.35	3.07	2.88	2.45	1.75	3.54	4.04
			9509	3.78	3.56	3.38	3.10	2.91	2.48	1.78	3.58	4.08
24.3742	24.7087	40930 409 + 30	9464	4.18	3.77	3.56	3.19	2.96	2.49	1.75	3.98	4.53
			9488	4.18	3.81	3.56	3.23	3.00	2.53	1.75	3.97	4.52
			9472	4.18	3.77	3.56	3.23	2.96	2.53	1.71	3.97	4.53
			9475	4.18	3.78	3.56	3.22	2.97	2.52	1.74	3.97	4.53

Miles ft	LOG MILES	Station	LOAD lbs	d0 0"	d8 8"	d12 12"	d18 18"	d24 24"	d36 36"	d60 60"	Normalized d0 mills	Standardized d0 mills
24.3620	24.6856	41052 410 + 52	9528	3.94	3.65	3.39	3.19	2.96	2.53	1.79	3.72	4.24
			9480	3.90	3.69	3.39	3.15	2.96	2.53	1.79	3.70	4.22
			9480	3.90	3.65	3.43	3.15	2.96	2.53	1.79	3.70	4.22
AVE			9496	3.91	3.66	3.40	3.16	2.96	2.53	1.79	3.71	4.23
24.3500	24.6629	41172 411 + 72	9456	4.14	3.81	3.60	3.36	3.12	2.66	1.96	3.94	4.49
			9456	4.14	3.77	3.56	3.27	3.08	2.62	1.92	3.94	4.49
			9464	4.10	3.81	3.56	3.27	3.08	2.66	1.92	3.90	4.44
AVE			9459	4.13	3.80	3.57	3.30	3.09	2.65	1.93	3.93	4.48
24.3381	24.6403	41291 412 + 91	9488	3.78	3.44	3.31	3.07	2.80	2.37	1.71	3.59	4.09
			9464	3.82	3.48	3.31	3.03	2.80	2.37	1.67	3.63	4.14
			9408	3.82	3.44	3.31	3.03	2.80	2.37	1.67	3.65	4.17
AVE			9453	3.81	3.45	3.31	3.04	2.80	2.37	1.68	3.62	4.13
24.3261	24.6176	41411 414 + 11	9520	3.14	2.92	2.76	2.54	2.40	2.04	1.47	2.97	3.38
			9464	3.18	2.96	2.80	2.54	2.40	2.08	1.51	3.02	3.45
			9496	3.22	2.92	2.76	2.54	2.40	2.08	1.51	3.05	3.48
AVE			9493	3.18	2.93	2.77	2.54	2.40	2.07	1.50	3.01	3.44
24.3141	24.5949	41531 415 + 31	9488	3.42	3.00	2.89	2.58	2.40	2.00	1.39	3.24	3.70
			9456	3.42	3.04	2.84	2.62	2.44	2.04	1.43	3.26	3.71
			9456	3.42	3.00	2.84	2.62	2.44	2.04	1.39	3.26	3.71
AVE			9467	3.42	3.01	2.86	2.61	2.43	2.03	1.40	3.25	3.71
24.3021	24.5722	41651 416 + 51	9480	3.90	3.53	3.31	3.03	2.80	2.37	1.67	3.70	4.22
			9496	3.90	3.53	3.31	2.99	2.80	2.33	1.63	3.70	4.21
			9456	3.90	3.53	3.31	2.99	2.76	2.33	1.63	3.71	4.23
AVE			9477	3.90	3.53	3.31	3.00	2.79	2.34	1.64	3.70	4.22
24.2901	24.5494	41771 417 + 71	9496	3.46	3.20	3.05	2.82	2.64	2.25	1.63	3.28	3.74
			9480	3.50	3.20	3.01	2.78	2.60	2.21	1.63	3.32	3.79
			9456	3.50	3.20	3.05	2.78	2.60	2.21	1.59	3.33	3.80
AVE			9477	3.49	3.20	3.04	2.79	2.61	2.22	1.62	3.31	3.77
24.2782	24.5269	41890 418 + 90	9488	4.02	3.57	3.35	3.07	2.88	2.37	1.67	3.81	4.35
			9488	4.02	3.61	3.39	3.11	2.92	2.37	1.67	3.81	4.35
			9448	4.02	3.65	3.39	3.07	2.92	2.41	1.71	3.83	4.37
AVE			9475	4.02	3.61	3.38	3.08	2.91	2.38	1.68	3.82	4.35
24.2661	24.5040	42011 420 + 11	9440	3.70	3.40	3.14	2.91	2.60	2.21	1.55	3.53	4.02
			9440	3.74	3.36	3.18	2.86	2.64	2.25	1.55	3.57	4.06
			9424	3.70	3.40	3.18	2.91	2.60	2.21	1.55	3.53	4.03
AVE			9435	3.71	3.39	3.17	2.89	2.61	2.22	1.55	3.54	4.04
24.2543	24.4816	42129 421 + 29	9680	3.02	2.92	2.80	2.66	2.48	2.21	1.59	2.81	3.20
			9696	3.02	2.88	2.76	2.62	2.44	2.17	1.59	2.80	3.20
			9640	2.93	2.88	2.80	2.58	2.44	2.13	1.55	2.74	3.12
AVE			9672	2.99	2.89	2.79	2.62	2.45	2.17	1.58	2.78	3.17
24.2424	24.4591	42248 422 + 48	9616	3.14	2.96	2.76	2.54	2.36	2.04	1.47	2.94	3.35
			9624	3.10	2.92	2.76	2.54	2.36	2.04	1.47	2.90	3.30
			9600	3.14	2.92	2.76	2.54	2.36	2.04	1.43	2.94	3.36
AVE			9613	3.13	2.93	2.76	2.54	2.36	2.04	1.46	2.93	3.34
24.2304	24.4364	42368 423 + 68	9648	3.02	2.80	2.68	2.46	2.28	1.96	1.39	2.82	3.21
			9616	3.02	2.80	2.68	2.46	2.28	1.92	1.39	2.83	3.22
			9608	3.02	2.80	2.68	2.46	2.28	1.92	1.39	2.83	3.22
AVE			9624	3.02	2.80	2.68	2.46	2.28	1.93	1.39	2.82	3.22

Miles ft	LOG MILES	Station	LOAD lbs	d0 0"	d8 8"	d12 12"	d18 18"	d24 24"	d36 36"	d60 60"	Normalized d0 mils	Standardized d0 mils
24 2184	24.4136	42488 424 + 88	9568	3.66	3.36	3.18	2.95	2.76	2.37	1.71	3.44	3.92
			9600	3.62	3.32	3.14	2.91	2.72	2.29	1.67	3.39	3.87
			9584	3.62	3.32	3.14	2.86	2.72	2.29	1.67	3.40	3.88
AVE			9584	3.63	3.33	3.15	2.91	2.73	2.32	1.68	3.41	3.89
24 2065	24.3911	42607 426 + 07	9568	3.42	3.12	2.97	2.74	2.56	2.21	1.59	3.22	3.67
			9568	3.42	3.12	2.97	2.74	2.56	2.21	1.59	3.22	3.67
			9608	3.42	3.12	2.97	2.74	2.56	2.21	1.59	3.20	3.65
AVE			9581	3.42	3.12	2.97	2.74	2.56	2.21	1.59	3.21	3.66
24 1945	24.3684	42727 427 + 27	9600	3.30	3.04	2.89	2.70	2.56	2.21	1.59	3.09	3.53
			9568	3.34	3.08	2.93	2.74	2.56	2.25	1.63	3.14	3.58
			9592	3.30	3.04	2.89	2.70	2.56	2.21	1.59	3.10	3.53
AVE			9587	3.31	3.05	2.90	2.71	2.56	2.22	1.60	3.11	3.55
24 1824	24.3455	42848 428 + 48	9560	3.50	3.20	3.01	2.82	2.60	2.25	1.63	3.29	3.76
			9536	3.50	3.20	3.01	2.78	2.60	2.25	1.63	3.30	3.77
			9528	3.46	3.16	3.01	2.78	2.60	2.25	1.59	3.27	3.73
AVE			9541	3.49	3.19	3.01	2.79	2.60	2.25	1.62	3.29	3.75
24 1704	24.3227	42968 429 + 68	9568	3.34	3.04	2.89	2.66	2.48	2.13	1.47	3.14	3.58
			9536	3.26	3.04	2.84	2.62	2.48	2.08	1.47	3.08	3.51
			9560	3.34	3.04	2.89	2.66	2.48	2.13	1.47	3.14	3.58
AVE			9555	3.31	3.04	2.87	2.65	2.48	2.11	1.47	3.12	3.56
24 1584	24.3000	43088 430 + 88	9568	3.42	3.12	2.97	2.74	2.52	2.13	1.51	3.22	3.67
			9560	3.38	3.08	2.97	2.74	2.52	2.13	1.47	3.18	3.63
			9560	3.38	3.12	2.97	2.74	2.52	2.13	1.47	3.18	3.63
AVE			9563	3.39	3.11	2.97	2.74	2.52	2.13	1.48	3.19	3.64
24 1464	24.2773	43208 432 + 08	9560	3.02	2.80	2.68	2.46	2.28	2.00	1.39	2.84	3.24
			9544	3.10	2.84	2.72	2.50	2.36	2.04	1.47	2.92	3.33
			9552	3.10	2.84	2.72	2.50	2.32	2.04	1.43	2.92	3.33
AVE			9552	3.07	2.83	2.71	2.49	2.32	2.03	1.43	2.90	3.30
24 1344	24.2545	43328 433 + 28	9592	3.46	3.28	3.14	2.91	2.76	2.45	1.83	3.25	3.70
			9616	3.46	3.24	3.10	2.91	2.80	2.45	1.83	3.24	3.69
			9608	3.50	3.24	3.10	2.91	2.80	2.49	1.83	3.28	3.74
AVE			9605	3.47	3.25	3.11	2.91	2.79	2.46	1.83	3.25	3.71
24 1223	24.2316	43449 434 + 49	9544	4.10	3.77	3.64	3.36	3.20	2.78	2.04	3.87	4.41
			9544	4.18	3.77	3.68	3.36	3.20	2.78	2.04	3.94	4.49
			9560	4.14	3.77	3.68	3.36	3.20	2.82	2.04	3.90	4.44
AVE			9549	4.14	3.77	3.67	3.36	3.20	2.79	2.04	3.90	4.45
24 1104	24.2091	43568 435 + 68	9672	3.50	3.32	3.18	2.99	2.84	2.49	1.87	3.26	3.71
			9648	3.54	3.32	3.18	2.99	2.84	2.49	1.87	3.30	3.76
			9592	3.46	3.32	3.14	2.99	2.84	2.45	1.87	3.25	3.70
AVE			9637	3.50	3.32	3.17	2.99	2.84	2.48	1.87	3.27	3.73
24 0984	24.1864	43688 436 + 88	9560	3.62	3.40	3.22	3.07	2.72	2.45	1.71	3.41	3.89
			9560	3.62	3.40	3.22	3.07	2.72	2.45	1.67	3.41	3.89
			9544	3.66	3.40	3.22	3.07	2.72	2.45	1.67	3.45	3.93
AVE			9555	3.63	3.40	3.22	3.07	2.72	2.45	1.68	3.42	3.90
24 0864	24.1636	43808 438 + 08	9648	3.86	3.57	3.43	3.15	2.92	2.62	2.00	3.60	4.10
			9608	3.82	3.57	3.39	3.15	2.92	2.62	2.00	3.58	4.08
			9600	3.82	3.57	3.43	3.15	2.92	2.62	2.00	3.58	4.08
AVE			9619	3.83	3.57	3.42	3.15	2.92	2.62	2.00	3.59	4.09
24 0744	24.1409	43928 439 + 28	9512	4.18	3.89	3.68	3.40	3.24	2.82	2.12	3.96	4.51
			9480	4.18	3.85	3.68	3.44	3.24	2.82	2.12	3.97	4.52
			9544	4.22	3.89	3.68	3.44	3.28	2.82	2.12	3.98	4.54
AVE			9512	4.19	3.88	3.68	3.43	3.25	2.82	2.12	3.97	4.52

Miles ft	LOG MILES	Station	LOAD lbs	d0 0"	d8 8"	d12 12"	d18 18"	d24 24"	d36 36"	d60 60"	Normalized d0 mils	Standardized d0 mils
24.0624	24.1182	44048 440 + 48	9568	4.02	3.69	3.51	3.23	3.08	2.62	1.96	3.78	4.31
			9632	4.02	3.69	3.51	3.27	3.08	2.66	1.92	3.76	4.28
			9592	4.06	3.73	3.51	3.27	3.12	2.70	1.96	3.81	4.34
			9597	4.03	3.70	3.51	3.26	3.09	2.66	1.95	3.78	4.31
24.0505	24.0956	44167 441 + 67	9600	4.10	3.85	3.60	3.31	3.12	2.74	2.08	3.84	4.38
			9600	4.10	3.85	3.60	3.31	3.12	2.74	2.08	3.84	4.38
			9600	4.14	3.85	3.60	3.31	3.12	2.74	2.08	3.88	4.42
			9600	4.11	3.85	3.60	3.31	3.12	2.74	2.08	3.86	4.40
24.0385	24.0729	44287 442 + 87	9504	3.90	3.69	3.51	3.19	3.04	2.66	1.96	3.69	4.21
			9544	3.94	3.69	3.47	3.19	3.04	2.66	1.96	3.72	4.24
			9544	3.94	3.69	3.43	3.15	3.04	2.66	1.96	3.72	4.24
			9531	3.93	3.69	3.47	3.18	3.04	2.66	1.96	3.71	4.23
24.0265	24.0502	44407 444 + 07	9512	4.18	3.81	3.64	3.36	3.16	2.70	2.00	3.96	4.51
			9536	4.18	3.81	3.60	3.36	3.12	2.74	1.96	3.95	4.50
			9536	4.18	3.85	3.64	3.36	3.12	2.70	1.96	3.95	4.50
			9528	4.18	3.82	3.63	3.36	3.13	2.71	1.97	3.95	4.50
24.0145	24.0275	44527 445 + 27	9552	3.94	3.61	3.47	3.15	3.00	2.58	1.87	3.71	4.23
			9480	3.90	3.61	3.43	3.19	2.96	2.58	1.87	3.70	4.22
			9512	3.86	3.61	3.43	3.15	2.96	2.58	1.87	3.65	4.16
			9515	3.90	3.61	3.44	3.16	2.97	2.58	1.87	3.69	4.21
24.0025	24.0047	44647 446 + 47	9632	4.10	3.81	3.64	3.36	3.16	2.78	2.04	3.83	4.37
			9616	4.10	3.81	3.60	3.36	3.16	2.78	2.04	3.84	4.37
			9568	4.06	3.81	3.60	3.36	3.12	2.78	2.04	3.82	4.35
			9605	4.09	3.81	3.61	3.36	3.15	2.78	2.04	3.83	4.37
23.5186	23.9822	44766 447 + 66	9512	3.86	3.69	3.43	3.19	3.00	2.62	1.92	3.65	4.16
			9456	3.86	3.69	3.43	3.19	3.00	2.62	1.96	3.67	4.19
			9480	3.90	3.69	3.39	3.15	2.96	2.66	1.96	3.70	4.22
			9483	3.87	3.69	3.42	3.18	2.99	2.63	1.95	3.68	4.19
23.5065	23.9593	44887 448 + 87	9520	4.06	3.81	3.56	3.23	3.12	2.70	1.92	3.84	4.38
			9480	4.06	3.77	3.56	3.31	3.16	2.58	1.87	3.85	4.39
			9472	4.14	3.85	3.60	3.31	3.16	2.70	1.96	3.93	4.48
			9491	4.09	3.81	3.57	3.28	3.15	2.66	1.92	3.88	4.42
23.4945	23.9366	45007 450 + 07	9576	3.54	3.28	3.14	2.95	2.80	2.45	1.83	3.33	3.79
			9520	3.54	3.28	3.14	2.95	2.80	2.45	1.83	3.35	3.82
			9520	3.58	3.32	3.18	2.91	2.84	2.49	1.87	3.38	3.86
			9539	3.55	3.29	3.15	2.94	2.81	2.46	1.84	3.35	3.82
23.4825	23.9138	45127 451 + 27	9488	3.98	3.73	3.56	3.36	3.16	2.78	2.04	3.78	4.30
			9488	3.98	3.73	3.56	3.31	3.16	2.78	2.04	3.78	4.30
			9472	3.98	3.73	3.56	3.31	3.16	2.78	2.04	3.78	4.31
			9483	3.98	3.73	3.56	3.33	3.16	2.78	2.04	3.78	4.31
23.4705	23.8911	45247 452 + 47	9544	3.70	3.44	3.26	3.11	2.88	2.53	1.96	3.49	3.98
			9536	3.66	3.40	3.22	3.07	2.88	2.53	1.96	3.45	3.94
			9512	3.66	3.44	3.22	3.11	2.88	2.53	1.96	3.46	3.95
			9531	3.67	3.43	3.23	3.10	2.88	2.53	1.96	3.47	3.95
23.4585	23.8684	45367 453 + 67	9528	3.26	3.00	2.89	2.62	2.52	2.21	1.63	3.08	3.51
			9480	3.26	3.00	2.84	2.58	2.48	2.17	1.59	3.09	3.53
			9472	3.26	3.00	2.89	2.62	2.48	2.21	1.59	3.10	3.53
			9493	3.26	3.00	2.87	2.61	2.49	2.20	1.60	3.09	3.52

Miles ft	LOG MILES	Station	LOAD lbs	d0 0"	d8 8"	d12 12"	d18 18"	d24 24"	d36 36"	d60 60"	Normalized d0 mils	Standardized d0 mils
23.4466	23.8458	45486 454 + 86	9560	3.34	3.08	2.93	2.70	2.52	2.17	1.59	3.14	3.58
			9592	3.34	3.12	2.93	2.70	2.56	2.21	1.55	3.13	3.57
			9536	3.30	3.08	2.89	2.70	2.52	2.17	1.55	3.11	3.55
AVE			9563	3.33	3.09	2.92	2.70	2.53	2.18	1.56	3.13	3.57
23.4346	23.8231	45606 456 + 06	9592	3.46	3.16	3.05	2.78	2.64	2.25	1.59	3.25	3.70
			9576	3.46	3.16	3.01	2.74	2.60	2.21	1.59	3.25	3.71
			9560	3.46	3.16	3.05	2.74	2.60	2.25	1.59	3.26	3.71
AVE			9576	3.46	3.16	3.04	2.75	2.61	2.24	1.59	3.25	3.71
23.4227	23.8006	45725 457 + 25	9512	3.38	3.12	3.01	2.78	2.60	2.29	1.63	3.20	3.65
			9512	3.38	3.16	3.01	2.78	2.64	2.25	1.63	3.20	3.65
			9584	3.42	3.16	3.05	2.82	2.64	2.29	1.67	3.21	3.66
AVE			9536	3.39	3.15	3.02	2.79	2.63	2.28	1.64	3.20	3.65
23.4106	23.7777	45846 458 + 46	9696	3.06	2.88	2.68	2.54	2.40	2.08	1.59	2.84	3.24
			9704	3.06	2.84	2.68	2.50	2.32	2.00	1.51	2.84	3.24
			9688	3.06	2.84	2.72	2.50	2.32	2.00	1.43	2.84	3.24
AVE			9696	3.06	2.85	2.69	2.51	2.35	2.03	1.51	2.84	3.24
23.3987	23.7551	45965 459 + 65	9440	3.22	3.00	2.89	2.78	2.60	2.25	1.79	3.07	3.50
			9384	3.18	3.00	2.89	2.78	2.64	2.33	1.75	3.05	3.48
			9368	3.22	3.00	2.89	2.78	2.60	2.25	1.79	3.09	3.53
AVE			9397	3.21	3.00	2.89	2.78	2.61	2.28	1.78	3.07	3.50
23.3867	23.7324	46085 460 + 85	9488	3.14	2.88	2.72	2.46	2.28	1.96	1.39	2.98	3.40
			9440	3.10	2.84	2.64	2.41	2.28	1.92	1.39	2.96	3.37
			9424	3.10	2.84	2.68	2.46	2.28	1.92	1.39	2.96	3.38
AVE			9451	3.11	2.85	2.68	2.44	2.28	1.93	1.39	2.96	3.38
23.3748	23.7098	46204 462 + 04	9712	3.58	3.20	2.97	2.78	2.44	2.13	1.39	3.32	3.78
			9832	3.54	3.20	2.97	2.78	2.52	2.17	1.47	3.24	3.69
			9720	3.54	3.20	2.97	2.78	2.48	2.13	1.43	3.28	3.74
AVE			9755	3.55	3.20	2.97	2.78	2.48	2.14	1.43	3.28	3.74
23.3627	23.6869	46325 463 + 25	9680	3.18	3.04	2.89	2.62	2.52	2.13	1.55	2.96	3.37
			9680	3.18	3.04	2.89	2.62	2.52	2.13	1.55	2.96	3.37
			9712	3.18	3.00	2.84	2.66	2.48	2.13	1.55	2.95	3.36
AVE			9691	3.18	3.03	2.87	2.63	2.51	2.13	1.55	2.95	3.37
23.3508	23.6644	46444 464 + 44	9696	3.22	2.92	2.76	2.58	2.40	2.13	1.43	2.99	3.41
			9696	3.26	2.96	2.80	2.62	2.44	2.17	1.51	3.03	3.45
			9720	3.22	2.92	2.76	2.58	2.36	2.08	1.43	2.98	3.40
AVE			9704	3.23	2.93	2.77	2.59	2.40	2.13	1.46	3.00	3.42
23.3388	23.6417	46564 465 + 64	9808	3.34	3.16	2.97	2.70	2.56	2.13	1.55	3.06	3.49
			9832	3.34	3.16	2.97	2.70	2.56	2.13	1.55	3.06	3.49
			9800	3.42	3.16	2.97	2.70	2.56	2.17	1.55	3.14	3.58
AVE			9813	3.37	3.16	2.97	2.70	2.56	2.14	1.55	3.09	3.52
23.3268	23.6189	46684 466 + 84	9608	3.50	3.20	3.01	2.78	2.56	2.21	1.55	3.28	3.74
			9608	3.46	3.20	3.01	2.82	2.52	2.17	1.51	3.24	3.69
			9552	3.46	3.16	3.01	2.74	2.60	2.21	1.55	3.26	3.72
AVE			9589	3.47	3.19	3.01	2.78	2.56	2.20	1.54	3.26	3.72
23.3148	23.5962	46804 468 + 04	9280	3.58	3.28	3.14	2.78	2.60	2.17	1.51	3.47	3.96
			9240	3.54	3.28	3.14	2.78	2.56	2.13	1.51	3.45	3.93
			9200	3.54	3.24	3.14	2.78	2.60	2.21	1.51	3.46	3.95
AVE			9240	3.55	3.27	3.14	2.78	2.59	2.17	1.51	3.46	3.95
23.3028	23.5735	46924 469 + 24	9296	3.62	3.24	3.14	2.82	2.68	2.21	1.55	3.50	4.00
			9280	3.58	3.24	3.18	2.86	2.72	2.21	1.55	3.47	3.96
			9304	3.50	3.20	3.14	2.82	2.68	2.21	1.51	3.39	3.86
AVE			9293	3.57	3.23	3.15	2.83	2.69	2.21	1.54	3.45	3.94

Miles ft	LOG MILES	Station	LOAD lbs	d0 0"	d8 8"	d12 12"	d18 18"	d24 24"	d36 36"	d60 60"	Normalized d0 mils	Standardized d0 mils
23 2909	23.5509	47043 470 + 43	9408	3.38	3.08	2.89	2.74	2.44	2.13	1.43	3.23	3.69
			9392	3.42	3.08	2.89	2.66	2.44	2.04	1.43	3.28	3.74
AVE			9408	3.42	3.04	2.89	2.62	2.44	2.04	1.43	3.27	3.73
			9403	3.41	3.07	2.89	2.67	2.44	2.07	1.43	3.26	3.72
23 2789	23.5282	47163 471 + 63	9288	3.70	3.32	3.14	2.86	2.68	2.29	1.55	3.59	4.09
			9304	3.66	3.32	3.18	2.86	2.68	2.29	1.59	3.54	4.04
AVE			9328	3.66	3.32	3.22	2.82	2.68	2.33	1.55	3.53	4.03
			9307	3.67	3.32	3.18	2.85	2.68	2.30	1.56	3.55	4.05
23.2667	23.5051	47285 472 + 85	9416	3.70	3.32	3.18	2.91	2.64	2.25	1.55	3.54	4.03
			9448	3.66	3.32	3.14	2.91	2.68	2.29	1.59	3.49	3.97
AVE			9464	3.70	3.36	3.18	2.95	2.68	2.29	1.59	3.52	4.01
			9443	3.69	3.33	3.17	2.92	2.67	2.28	1.58	3.51	4.01
23.2547	23.4824	47405 474 + 05	9440	3.42	3.16	2.97	2.78	2.52	2.13	1.55	3.26	3.72
			9448	3.42	3.12	2.97	2.74	2.52	2.17	1.51	3.26	3.71
AVE			9448	3.42	3.12	2.97	2.74	2.52	2.13	1.51	3.26	3.71
			9445	3.42	3.13	2.97	2.75	2.52	2.14	1.52	3.26	3.71
23.2427	23.4597	47525 475 + 25	9456	3.50	3.16	3.05	2.78	2.52	2.21	1.51	3.33	3.80
			9464	3.62	3.28	3.14	2.91	2.64	2.29	1.55	3.44	3.92
AVE			9504	3.50	3.16	3.05	2.78	2.56	2.21	1.47	3.31	3.78
			9475	3.54	3.20	3.08	2.82	2.57	2.24	1.51	3.36	3.83
23.2308	23.4371	47644 476 + 44	9448	3.94	3.44	3.39	3.03	2.88	2.37	1.67	3.75	4.28
			9392	3.98	3.57	3.43	3.07	2.80	2.41	1.67	3.81	4.35
AVE			9360	3.90	3.40	3.35	3.03	2.88	2.37	1.67	3.75	4.28
			9400	3.94	3.47	3.39	3.04	2.85	2.38	1.67	3.77	4.30
23.2188	23.4144	47764 477 + 64	9352	3.54	3.20	3.14	2.86	2.68	2.29	1.59	3.41	3.88
			9360	3.58	3.20	3.18	2.91	2.76	2.33	1.63	3.44	3.92
AVE			9368	3.62	3.20	3.18	2.91	2.72	2.33	1.63	3.48	3.96
			9360	3.58	3.20	3.17	2.89	2.72	2.32	1.62	3.44	3.92
23.2068	23.3917	47884 478 + 84	9424	3.46	2.92	3.22	2.58	2.52	2.00	1.51	3.30	3.77
			9368	3.46	2.92	3.18	2.62	2.52	2.04	1.55	3.32	3.79
AVE			9368	3.42	3.00	3.05	2.58	2.48	2.08	1.47	3.29	3.75
			9387	3.45	2.95	3.15	2.59	2.51	2.04	1.51	3.30	3.77
23 1948	23.3689	48004 480 + 04	9320	3.66	3.20	3.18	2.82	2.68	2.33	1.63	3.53	4.03
			9408	3.66	3.24	3.18	2.86	2.72	2.33	1.59	3.50	3.99
AVE			9368	3.66	3.20	3.18	2.86	2.72	2.37	1.63	3.52	4.01
			9365	3.66	3.21	3.18	2.85	2.71	2.34	1.62	3.52	4.01
23 1830	23.3466	48122 481 + 22	9512	3.50	3.28	3.18	2.95	2.80	2.37	1.75	3.31	3.78
			9456	3.54	3.32	3.18	2.95	2.80	2.41	1.79	3.37	3.84
AVE			9392	3.50	3.28	3.18	2.95	2.76	2.37	1.75	3.35	3.82
			9453	3.51	3.29	3.18	2.95	2.79	2.38	1.76	3.34	3.81
23 1717	23.3252	48235 482 + 35	9408	3.46	3.28	3.18	3.03	2.92	2.53	1.87	3.31	3.77
			9408	3.38	3.20	3.10	2.95	2.84	2.45	1.71	3.23	3.69
AVE			9400	3.46	3.28	3.18	3.07	2.92	2.53	1.87	3.31	3.78
			9405	3.43	3.25	3.15	3.02	2.89	2.50	1.82	3.29	3.75
23 1605	23.3040	48347 483 + 47	9408	3.66	3.40	3.26	2.95	2.76	2.49	1.67	3.50	3.99
			9416	3.66	3.36	3.22	2.95	2.76	2.45	1.71	3.50	3.99
AVE			9376	3.70	3.44	3.26	2.99	2.80	2.53	1.71	3.55	4.05
			9400	3.67	3.40	3.25	2.96	2.77	2.49	1.70	3.52	4.01

Miles ft	LOG MILES	Station	LOAD lbs	d0 0"	d8 8"	d12 12"	d18 18"	d24 24"	d36 36"	d60 60"	Normalized d0 mils	Standardized d0 mils
23 1484	23.2811	48468 484 + 68	9408	3.30	3.04	2.93	2.74	2.56	2.25	1.55	3.16	3.60
			9408	3.30	3.04	2.93	2.74	2.56	2.25	1.55	3.16	3.60
			9368	3.34	3.04	2.97	2.74	2.56	2.29	1.59	3.21	3.66
AVE			9395	3.31	3.04	2.94	2.74	2.56	2.26	1.56	3.17	3.62
23 1365	23.2585	48587 485 + 87	9472	3.42	3.16	3.01	2.82	2.68	2.33	1.67	3.25	3.70
			9408	3.38	3.12	3.01	2.78	2.64	2.29	1.67	3.23	3.69
			9440	3.38	3.12	3.01	2.78	2.64	2.29	1.67	3.22	3.67
AVE			9440	3.39	3.13	3.01	2.79	2.65	2.30	1.67	3.24	3.69
23 1245	23.2358	48707 487 + 07	9352	3.66	3.32	3.18	3.03	2.96	2.53	1.75	3.52	4.02
			9312	3.70	3.28	3.18	2.99	2.96	2.53	1.75	3.58	4.08
			9296	3.66	3.28	3.14	2.99	2.92	2.49	1.75	3.54	4.04
AVE			9320	3.67	3.29	3.17	3.00	2.95	2.52	1.75	3.55	4.04
23 1126	23.2133	48826 488 + 26	9456	3.50	3.20	3.10	2.86	2.76	2.33	1.63	3.33	3.80
			9432	3.54	3.20	3.10	2.86	2.72	2.33	1.67	3.38	3.85
			9400	3.50	3.20	3.05	2.82	2.68	2.29	1.63	3.35	3.82
AVE			9429	3.51	3.20	3.08	2.85	2.72	2.32	1.64	3.35	3.82
23 1006	23.1905	48946 489 + 46	9400	3.34	3.04	2.89	2.66	2.52	2.13	1.55	3.20	3.65
			9376	3.34	3.04	2.89	2.66	2.52	2.13	1.55	3.21	3.65
			9384	3.38	3.04	2.89	2.70	2.52	2.13	1.47	3.24	3.70
AVE			9387	3.35	3.04	2.89	2.67	2.52	2.13	1.52	3.22	3.67
23 0886	23.1678	49066 490 + 66	9360	3.58	3.28	3.14	2.95	2.80	2.41	1.79	3.44	3.92
			9384	3.58	3.28	3.14	2.95	2.80	2.41	1.79	3.43	3.91
			9408	3.62	3.32	3.18	2.99	2.84	2.45	1.79	3.46	3.95
AVE			9384	3.59	3.29	3.15	2.96	2.81	2.42	1.79	3.45	3.93
23 0767	23.1453	49185 491 + 85	9368	3.46	3.24	3.10	2.78	2.88	2.37	1.67	3.32	3.79
			9328	3.46	3.24	3.10	2.74	2.96	2.37	1.67	3.34	3.81
			9368	3.46	3.24	3.14	2.74	2.96	2.37	1.71	3.32	3.79
AVE			9355	3.46	3.24	3.11	2.75	2.93	2.37	1.68	3.33	3.79
23 0646	23.1223	49306 493 + 06	9360	3.90	3.61	3.56	3.23	3.04	2.66	1.96	3.75	4.28
			9304	3.86	3.61	3.60	3.27	3.12	2.70	2.00	3.73	4.26
			9336	3.94	3.61	3.51	3.23	3.04	2.62	1.96	3.80	4.33
AVE			9333	3.90	3.61	3.56	3.24	3.07	2.66	1.97	3.76	4.29
23 0526	23.0996	49426 494 + 26	9368	3.78	3.57	3.43	3.19	3.00	2.62	1.92	3.63	4.14
			9312	3.74	3.53	3.43	3.19	3.00	2.62	1.96	3.61	4.12
			9376	3.86	3.61	3.47	3.23	3.04	2.66	2.00	3.71	4.22
AVE			9352	3.79	3.57	3.44	3.20	3.01	2.63	1.96	3.65	4.16
23 0407	23.0771	49545 495 + 45	9384	3.46	3.24	3.10	2.82	2.68	2.29	1.71	3.32	3.78
			9368	3.50	3.24	3.10	2.82	2.68	2.25	1.67	3.36	3.83
			9368	3.54	3.24	3.10	2.82	2.68	2.29	1.71	3.40	3.88
AVE			9373	3.50	3.24	3.10	2.82	2.68	2.28	1.70	3.36	3.83
23 0287	23.0544	49665 496 + 65	9408	3.74	3.44	3.26	3.07	2.88	2.49	1.87	3.58	4.08
			9400	3.78	3.48	3.31	3.03	2.88	2.49	1.83	3.62	4.13
			9416	3.78	3.48	3.35	3.11	2.96	2.53	1.92	3.61	4.12
AVE			9408	3.77	3.47	3.31	3.07	2.91	2.50	1.87	3.60	4.11
23 0167	23.0316	49785 497 + 85	9312	3.90	3.57	3.43	3.15	2.96	2.58	1.83	3.77	4.30
			9312	3.90	3.61	3.47	3.19	3.00	2.66	1.87	3.77	4.30
			9296	3.90	3.57	3.43	3.19	3.00	2.58	1.87	3.78	4.30
AVE			9307	3.90	3.58	3.44	3.18	2.99	2.61	1.86	3.77	4.30
23 0046	23.0087	49906 499 + 06	9352	3.58	3.40	3.26	2.99	2.72	2.37	1.75	3.45	3.93
			9376	3.62	3.36	3.22	2.99	2.80	2.41	1.75	3.47	3.96
			9352	3.58	3.36	3.22	2.95	2.68	2.37	1.71	3.45	3.93
AVE			9360	3.59	3.37	3.23	2.98	2.73	2.38	1.74	3.46	3.94

Miles ft	LOG MILES	Station	LOAD lbs	d0 0"	d8 8"	d12 12"	d18 18"	d24 24"	d36 36"	d60 60"	Normalized d0 mils	Standardized d0 mils
22.5206	22.9860	50026 500 + 26	9384	3.70	3.40	3.31	3.07	2.84	2.45	1.79	3.55	4.05
			9376	3.74	3.40	3.31	3.07	2.84	2.41	1.83	3.59	4.09
			9376	3.70	3.40	3.31	3.03	2.84	2.45	1.79	3.55	4.05
AVE			9379	3.71	3.40	3.31	3.06	2.84	2.44	1.80	3.56	4.06
22.5087	22.9634	50145 501 + 45	9408	4.06	3.73	3.60	3.27	3.04	2.66	1.92	3.88	4.43
			9408	4.02	3.73	3.60	3.27	3.04	2.66	1.92	3.85	4.38
			9328	3.98	3.77	3.60	3.27	3.00	2.62	1.92	3.84	4.38
AVE			9381	4.02	3.74	3.60	3.27	3.03	2.65	1.92	3.86	4.40
22.4967	22.9407	50265 502 + 65	9416	3.86	3.57	3.51	3.23	3.12	2.70	2.00	3.69	4.21
			9360	3.86	3.61	3.47	3.23	3.04	2.66	2.00	3.71	4.23
			9368	3.86	3.61	3.43	3.19	3.04	2.66	2.00	3.71	4.23
AVE			9381	3.86	3.60	3.47	3.22	3.07	2.67	2.00	3.70	4.22
22.4847	22.9180	50385 503 + 85	9344	3.70	3.53	3.35	3.11	2.92	2.53	1.92	3.56	4.06
			9312	3.70	3.48	3.31	3.07	2.92	2.53	1.92	3.58	4.08
			9352	3.74	3.48	3.35	3.11	2.96	2.53	1.92	3.60	4.10
AVE			9336	3.71	3.50	3.34	3.10	2.93	2.53	1.92	3.58	4.08
22.4728	22.8955	50504 505 + 04	9440	3.58	3.32	3.22	2.95	2.80	2.41	1.75	3.41	3.89
			9440	3.58	3.32	3.18	2.95	2.76	2.37	1.71	3.41	3.89
			9400	3.54	3.28	3.14	2.91	2.72	2.37	1.71	3.39	3.86
AVE			9427	3.57	3.31	3.18	2.94	2.76	2.38	1.72	3.41	3.88
22.4608	22.8727	50624 506 + 24	9312	5.39	5.02	4.85	4.46	4.28	3.76	2.81	5.21	5.94
			9296	5.35	4.98	4.85	4.42	4.24	3.72	2.77	5.18	5.90
			9288	5.35	4.98	4.81	4.42	4.24	3.72	2.81	5.18	5.91
AVE			9299	5.36	4.99	4.84	4.43	4.25	3.73	2.80	5.19	5.92
22.4488	22.8500	50744 507 + 44	9344	3.30	3.04	2.93	2.74	2.52	2.17	1.51	3.18	3.62
			9312	3.30	3.04	2.93	2.74	2.52	2.17	1.55	3.19	3.64
			9344	3.34	3.08	2.97	2.74	2.56	2.21	1.59	3.22	3.67
AVE			9333	3.31	3.05	2.94	2.74	2.53	2.18	1.55	3.20	3.64
22.4367	22.8271	50865 508 + 65	9440	3.30	3.04	2.84	2.62	2.44	2.08	1.47	3.15	3.59
			9440	3.30	3.00	2.89	2.62	2.44	2.08	1.43	3.15	3.59
			9392	3.34	3.00	2.84	2.62	2.44	2.08	1.43	3.20	3.65
AVE			9424	3.31	3.01	2.86	2.62	2.44	2.08	1.44	3.16	3.61
22.4247	22.8044	50985 509 + 85	9368	2.85	2.59	2.43	2.29	2.12	1.80	1.22	2.74	3.12
			9384	2.81	2.55	2.43	2.21	2.08	1.76	1.22	2.70	3.07
			9328	2.85	2.59	2.43	2.25	2.08	1.80	1.22	2.75	3.13
AVE			9360	2.84	2.58	2.43	2.25	2.09	1.79	1.22	2.73	3.11
22.4132	22.7826	51100 511 + 00	9264	3.30	3.00	2.89	2.62	2.44	2.08	1.47	3.21	3.65
			9288	3.30	3.00	2.84	2.62	2.48	2.08	1.47	3.20	3.65
			9264	3.30	3.00	2.84	2.58	2.44	2.08	1.47	3.21	3.65
AVE			9272	3.30	3.00	2.86	2.61	2.45	2.08	1.47	3.20	3.65

APPENDIX C

Load Transfer Values

MI#	STATION	LOG MILE	Load lb	d0 0"	d-12 -12"	d12 12"	d18 18"	d24 24"	d36 36"	d60 60"	Load Transfer% (LT)	Adj. Load Transfer% (LTadj)
4.2089	232 + 07	13.668250	9768	2.65	1.93	2.16	1.91	1.67	1.30	0.77	72.83%	79.38%
			9768	2.65	1.93	2.16	1.91	1.67	1.34	0.77		
			9760	2.65	1.93	2.12	1.87	1.67	1.30	0.77		
			9765	2.65	1.93	2.16	1.90	1.67	1.31	0.77		
4.1878	229 + 96	13.708212	9760	2.08	1.20	1.58	1.38	1.23	0.93	0.48	66.33%	61.40%
			9768	2.12	1.20	1.62	1.38	1.23	0.93	0.48		
			9800	2.12	1.16	1.58	1.38	1.23	0.93	0.48		
			9776	2.11	1.19	1.59	1.38	1.23	0.93	0.48		
4.1684	228 + 02	13.744955	9616	2.16	1.24	1.62	1.38	1.19	0.85	0.44	67.41%	62.57%
			9672	2.16	1.24	1.62	1.42	1.19	0.89	0.40		
			9648	2.16	1.24	1.62	1.42	1.19	0.89	0.44		
			9645	2.16	1.24	1.62	1.41	1.19	0.88	0.43		
4.1475	225 + 93	13.784638	9640	2.33	1.53	1.83	1.63	1.47	1.09	0.65	65.09%	70.95%
			9696	2.33	1.49	1.83	1.63	1.43	1.09	0.65		
			9648	2.33	1.53	1.87	1.63	1.43	1.13	0.65		
			9661	2.33	1.52	1.84	1.63	1.44	1.10	0.65		
4.1282	224 + 00	13.821091	9704	2.94	2.61	2.53	2.36	2.19	1.86	1.41	88.32%	96.27%
			9680	2.94	2.61	2.58	2.40	2.23	1.90	1.45		
			9680	2.94	2.57	2.53	2.36	2.19	1.86	1.41		
			9688	2.94	2.60	2.55	2.37	2.20	1.87	1.42		
4.1074	221 + 92	13.860485	9584	3.23	2.65	2.78	2.56	2.35	2.03	1.49	82.53%	89.96%
			9600	3.23	2.65	2.78	2.56	2.35	1.99	1.49		
			9600	3.27	2.73	2.83	2.60	2.39	2.07	1.54		
			9595	3.24	2.68	2.80	2.57	2.36	2.03	1.51		
4.0896	220 + 14	13.894197	9624	2.29	1.89	1.95	1.75	1.63	1.34	0.97	80.90%	88.18%
			9640	2.29	1.85	1.95	1.75	1.63	1.34	0.93		
			9608	2.33	1.85	1.95	1.75	1.59	1.34	0.93		
			9624	2.30	1.86	1.95	1.75	1.62	1.34	0.94		
4.0702	218 + 20	13.930939	9696	2.53	2.13	2.08	1.87	1.71	1.38	0.89	83.75%	91.29%
			9736	2.57	2.13	2.12	1.91	1.71	1.38	0.89		
			9704	2.53	2.13	2.12	1.91	1.71	1.38	0.89		
			9712	2.54	2.13	2.11	1.90	1.71	1.38	0.89		
4.0507	216 + 25	13.967871	9640	3.55	2.49	2.91	2.64	2.39	1.94	1.29	70.67%	77.03%
			9680	3.51	2.49	2.91	2.60	2.35	1.90	1.25		
			9672	3.51	2.49	2.87	2.60	2.35	1.90	1.25		
			9664	3.52	2.49	2.90	2.61	2.36	1.91	1.26		
4.0283	214 + 01	14.010295	9648	2.90	1.85	2.20	1.91	1.63	1.22	0.61	62.59%	68.22%
			9648	2.94	1.81	2.20	1.91	1.67	1.22	0.61		
			9632	2.90	1.81	2.20	1.91	1.63	1.22	0.61		
			9643	2.91	1.82	2.20	1.91	1.64	1.22	0.61		
4.0087	212 + 05	14.047417	9576	2.94	2.41	2.45	2.20	2.03	1.70	1.13	82.88%	90.34%
			9584	2.94	2.45	2.45	2.24	2.03	1.70	1.17		
			9616	2.94	2.45	2.45	2.24	2.03	1.70	1.17		
			9592	2.94	2.44	2.45	2.23	2.03	1.70	1.16		
3.3820	196 + 58	14.340409	9592	3.39	2.05	2.70	2.40	2.19	1.74	1.01	60.63%	66.08%
			9592	3.39	2.09	2.74	2.40	2.15	1.70	1.01		
			9568	3.43	2.05	2.70	2.40	2.15	1.70	1.01		
			9584	3.40	2.06	2.71	2.40	2.16	1.71	1.01		
3.3610	194 + 48	14.380182	9400	5.06	3.69	4.20	3.82	3.50	2.80	1.78	72.92%	79.49%
			9440	5.06	3.69	4.20	3.86	3.46	2.80	1.78		
			9416	5.06	3.69	4.20	3.82	3.50	2.80	1.78		
			9419	5.06	3.69	4.20	3.83	3.49	2.80	1.78		
3.3413	192 + 51	14.417492	9488	4.66	3.86	3.99	3.66	3.38	2.80	1.86	83.12%	90.60%
			9504	4.66	3.86	3.99	3.66	3.38	2.80	1.86		
			9536	4.66	3.90	3.99	3.66	3.42	2.80	1.86		
			9509	4.66	3.87	3.99	3.66	3.39	2.80	1.86		

Mi./ft	STATION	LOG MILE	Load lb	d0 0"	d-12 -12"	d12 12"	d18 18"	d24 24"	d36 36"	d60 60"	Load Transfer% (LT)	Adj. Load Transfer% (LTadj)
3.3264	191 + 02	14.445712	9544	3.35	2.65	2.87	2.60	2.39	2.03	1.41	79.10%	86.22%
			9552	3.35	2.65	2.87	2.60	2.39	2.03	1.41		
			9520	3.35	2.65	2.87	2.60	2.43	2.03	1.41		
			AVE	9539	3.36	2.66	2.87	2.60	2.40	2.03		
3.3113	189 + 51	14.474311	9592	3.06	2.61	2.58	2.32	2.15	1.74	1.21	84.13%	91.70%
			9592	3.10	2.57	2.53	2.32	2.15	1.74	1.25		
			9576	3.10	2.61	2.58	2.32	2.15	1.78	1.13		
			AVE	9587	3.09	2.60	2.56	2.32	2.15	1.75		
3.3007	188 + 45	14.494386	9568	4.08	3.45	3.49	3.25	2.99	2.51	1.82	85.16%	92.83%
			9512	4.08	3.45	3.49	3.21	3.03	2.51	1.82		
			9576	4.04	3.49	3.49	3.21	2.99	2.55	1.82		
			AVE	9562	4.07	3.46	3.49	3.22	3.00	2.52		
3.2901	187 + 39	14.514462	9536	3.14	2.29	2.58	2.32	2.11	1.70	1.13	72.66%	79.20%
			9704	3.23	2.33	2.58	2.36	2.15	1.70	1.17		
			9600	3.14	2.29	2.53	2.28	2.11	1.66	1.13		
			AVE	9613	3.17	2.30	2.66	2.32	2.12	1.69		
3.2811	186 + 49	14.631508	9568	3.19	2.37	2.70	2.44	2.27	1.86	1.29	74.82%	81.55%
			9560	3.19	2.41	2.70	2.44	2.23	1.90	1.29		
			9648	3.23	2.41	2.74	2.48	2.27	1.90	1.33		
			AVE	9592	3.20	2.40	2.71	2.45	2.26	1.89		
3.2601	184 + 39	14.671280	9520	3.92	2.85	3.32	3.21	2.91	2.51	1.86	76.11%	82.95%
			9504	3.92	3.05	3.37	3.17	2.95	2.55	1.86		
			9520	3.92	3.05	3.37	3.17	2.95	2.55	1.86		
			AVE	9516	3.92	2.98	3.35	3.18	2.94	2.54		
3.1955	177 + 93	14.693629	9584	3.27	2.57	2.70	2.48	2.23	1.78	1.17	79.00%	86.11%
			9600	3.27	2.57	2.70	2.44	2.23	1.78	1.17		
			9656	3.27	2.61	2.70	2.48	2.27	1.82	1.21		
			AVE	9613	3.27	2.68	2.70	2.47	2.24	1.79		
3.1910	177 + 48	14.702162	9632	3.63	2.65	3.07	2.73	2.47	2.03	1.29	71.21%	77.62%
			9624	3.63	2.57	2.95	2.77	2.51	1.94	1.37		
			9576	3.68	2.57	2.99	2.68	2.47	1.99	1.29		
			AVE	9611	3.65	2.60	3.00	2.73	2.48	1.99		
3.1760	175 + 98	14.730561	9592	3.19	2.61	2.70	2.48	2.35	1.90	1.37	81.84%	89.20%
			9632	3.14	2.57	2.70	2.48	2.31	1.86	1.33		
			9656	3.14	2.57	2.66	2.44	2.31	1.86	1.33		
			AVE	9627	3.16	2.68	2.69	2.47	2.32	1.87		
3.1655	174 + 93	14.750447	9552	4.00	2.85	3.45	3.13	2.87	2.43	1.70	72.01%	78.49%
			9640	4.04	2.89	3.45	3.17	2.95	2.43	1.62		
			9608	4.00	2.93	3.49	3.21	2.95	2.43	1.62		
			AVE	9600	4.01	2.89	3.46	3.17	2.92	2.43		
3.1550	173 + 88	14.770333	9528	3.51	2.69	2.99	2.73	2.51	2.11	1.41	77.11%	84.04%
			9616	3.55	2.73	3.03	2.77	2.55	2.11	1.45		
			9560	3.51	2.73	2.99	2.73	2.51	2.11	1.45		
			AVE	9568	3.52	2.72	3.00	2.74	2.52	2.11		
3.1460	172 + 98	14.787379	9560	3.27	2.37	2.74	2.44	2.23	1.82	1.21	71.95%	78.43%
			9520	3.23	2.33	2.70	2.40	2.19	1.78	1.17		
			9528	3.27	2.33	2.70	2.40	2.19	1.78	1.17		
			AVE	9536	3.26	2.34	2.71	2.41	2.20	1.79		
3.1354	171 + 92	14.807455	9600	3.35	2.29	2.83	2.56	2.31	1.86	1.25	67.96%	74.08%
			9576	3.35	2.33	2.83	2.56	2.31	1.90	1.25		
			9544	3.35	2.21	2.78	2.56	2.31	1.82	1.21		
			AVE	9573	3.35	2.28	2.81	2.56	2.31	1.86		

Mi.ft	STATION	LOG MILE	Load lb	d0 0"	d-12 -12"	d12 12"	d18 18"	d24 24"	d36 36"	d60 60"	Load Transfer% (LT)	Adj. Load Transfer% (LTadj)
3.1249	170 + 87	14.827341	9520	3.19	2.53	2.66	2.40	2.15	1.74	1.17	78.24%	85.28%
			9560	3.23	2.53	2.70	2.40	2.19	1.78	1.21		
			9480	3.23	2.49	2.66	2.40	2.19	1.78	1.21		
			9520	3.22	2.62	2.67	2.40	2.18	1.77	1.20		
3.1159	169 + 97	14.844386	9544	3.96	2.85	3.37	3.09	2.87	2.31	1.58	71.63%	78.08%
			9600	3.96	2.85	3.37	3.09	2.87	2.35	1.58		
			9504	3.96	2.81	3.32	3.05	2.83	2.31	1.58		
			9549	3.96	2.84	3.35	3.08	2.86	2.32	1.58		
3.1054	168 + 92	14.864273	9520	3.39	2.49	2.83	2.56	2.35	1.90	1.29	73.64%	80.26%
			9512	3.35	2.45	2.83	2.56	2.35	1.90	1.29		
			9520	3.35	2.49	2.83	2.56	2.35	1.94	1.33		
			9517	3.36	2.48	2.83	2.56	2.35	1.91	1.30		
3.0965	168 + 03	14.881129	9496	3.19	2.97	2.78	2.60	2.47	2.07	1.45	93.52%	100.00%
			9544	3.19	3.01	2.78	2.60	2.47	2.03	1.54		
			9480	3.19	2.97	2.78	2.60	2.47	2.07	1.49		
			9607	3.19	2.98	2.78	2.60	2.47	2.06	1.49		
3.0769	166 + 07	14.918250	9432	3.47	3.37	3.03	2.85	2.67	2.23	1.58	96.35%	100.00%
			9480	3.47	3.33	3.03	2.81	2.63	2.19	1.58		
			9464	3.47	3.33	3.03	2.85	2.63	2.23	1.58		
			9459	3.47	3.34	3.03	2.84	2.64	2.22	1.58		
3.0575	164 + 13	14.954992	9480	3.47	2.81	2.91	2.64	2.39	1.94	1.33	81.29%	88.61%
			9456	3.43	2.81	2.91	2.64	2.39	1.94	1.29		
			9448	3.47	2.81	2.91	2.64	2.39	1.94	1.33		
			9461	3.46	2.81	2.91	2.64	2.39	1.94	1.32		
3.0425	162 + 63	14.983402	9424	3.39	2.93	2.87	2.64	2.39	2.03	1.37	85.64%	93.35%
			9472	3.39	2.89	2.91	2.60	2.47	1.86	1.37		
			9440	3.39	2.89	2.91	2.60	2.39	1.99	1.37		
			9445	3.39	2.90	2.90	2.61	2.42	1.96	1.37		
3.0379	162 + 17	14.992114	9448	3.27	2.97	2.83	2.60	2.39	2.03	1.37	91.20%	99.41%
			9392	3.27	2.97	2.87	2.64	2.43	2.07	1.45		
			9416	3.23	2.97	2.83	2.60	2.39	2.03	1.37		
			9419	3.26	2.97	2.84	2.61	2.40	2.04	1.40		
3.0320	161 + 58	15.003288	9408	3.47	2.93	2.91	2.73	2.47	2.07	1.45	83.73%	91.27%
			9384	3.47	2.89	2.91	2.68	2.47	2.03	1.45		
			9440	3.51	2.93	2.95	2.73	2.51	2.03	1.49		
			9411	3.48	2.92	2.92	2.71	2.48	2.04	1.46		
3.0124	159 + 62	15.040409	9408	3.47	2.77	2.95	2.73	2.51	2.07	1.41	79.44%	86.59%
			9408	3.47	2.77	2.95	2.68	2.47	2.03	1.37		
			9368	3.47	2.73	2.91	2.68	2.47	2.03	1.37		
			9395	3.47	2.76	2.94	2.70	2.48	2.04	1.38		
2.5210	157 + 68	15.077162	9464	3.72	3.49	3.24	2.93	2.79	2.23	1.58	94.49%	100.00%
			9472	3.68	3.49	3.16	2.93	2.67	2.19	1.49		
			9464	3.68	3.49	3.20	2.93	2.67	2.19	1.49		
			9467	3.69	3.49	3.20	2.93	2.71	2.20	1.52		
2.5000	155 + 58	15.116924	9424	3.43	3.05	2.91	2.68	2.47	2.07	1.37	88.49%	96.45%
			9408	3.39	3.01	2.95	2.64	2.47	1.99	1.41		
			9464	3.43	3.01	2.91	2.68	2.47	2.07	1.33		
			9432	3.42	3.02	2.92	2.67	2.47	2.04	1.37		
2.4805	153 + 63	15.153856	9528	3.63	2.97	3.07	2.85	2.59	2.19	1.45	81.38%	88.71%
			9520	3.63	2.93	3.07	2.81	2.63	2.15	1.49		
			9504	3.59	2.93	3.07	2.81	2.59	2.11	1.45		
			9517	3.62	2.94	3.07	2.82	2.60	2.15	1.46		
2.4610	151 + 68	15.190788	9520	3.92	2.97	3.24	2.89	2.67	2.15	1.41	75.94%	82.78%
			9520	3.88	2.97	3.20	2.89	2.67	2.15	1.41		
			9520	3.88	2.93	3.24	2.89	2.67	2.15	1.41		
			9520	3.89	2.96	3.23	2.89	2.67	2.15	1.41		

Appendix C - Load Transfer Values

Callaway County

Mi.ft	STATION	LOG MILE	Load lb	d0 0"	d-12 -12"	d12 12"	d18 18"	d24 24"	d36 36"	d60 60"	Load Transfer% (LT)	Adj. Load Transfer% (LTadj)
2.4550	151 + 08	15.202152	9448	4.53	3.09	3.86	3.54	3.26	2.71	1.82	68.20%	74.34%
			9424	4.61	3.13	3.91	3.58	3.30	2.76	1.86		
			9464	4.57	3.13	3.86	3.54	3.26	2.71	1.86		
			9445	4.67	3.12	3.88	3.55	3.27	2.73	1.85		
2.4505	150 + 63	16.210674	9480	3.68	2.57	3.12	2.81	2.55	2.11	1.45	70.11%	76.42%
			9464	3.63	2.53	3.12	2.81	2.55	2.15	1.45		
			9504	3.63	2.57	3.07	2.81	2.59	2.15	1.41		
			9483	3.65	2.56	3.10	2.81	2.56	2.14	1.44		
2.4460	150 + 18	15.219197	9472	3.76	2.41	3.16	2.89	2.67	2.23	1.58	63.52%	69.23%
			9448	3.80	2.37	3.16	2.89	2.67	2.23	1.54		
			9480	3.76	2.41	3.16	2.89	2.67	2.23	1.54		
			9467	3.77	2.40	3.16	2.89	2.67	2.23	1.55		
2.4400	149 + 58	15.230561	9392	4.04	2.73	3.37	3.13	2.83	2.31	1.54	67.03%	73.06%
			9352	4.00	2.69	3.32	3.05	2.79	2.27	1.49		
			9392	4.00	2.65	3.37	3.05	2.75	2.27	1.49		
			9379	4.01	2.69	3.35	3.08	2.79	2.28	1.51		
2.4310	148 + 68	15.247606	9480	3.27	2.53	2.78	2.48	2.31	1.86	1.29	77.46%	84.43%
			9464	3.31	2.57	2.78	2.48	2.31	1.90	1.29		
			9424	3.27	2.53	2.78	2.48	2.31	1.90	1.29		
			9456	3.28	2.54	2.78	2.48	2.31	1.89	1.29		
2.4205	147 + 63	15.267492	9464	3.39	2.81	2.87	2.60	2.39	1.94	1.37	83.55%	91.07%
			9464	3.35	2.81	2.87	2.60	2.39	1.94	1.37		
			9464	3.35	2.81	2.87	2.60	2.39	1.94	1.33		
			9464	3.36	2.81	2.87	2.60	2.39	1.94	1.36		
2.4100	146 + 58	15.287379	9504	3.27	2.65	2.74	2.48	2.27	1.86	1.29	80.63%	87.89%
			9488	3.27	2.61	2.74	2.48	2.27	1.86	1.29		
			9480	3.27	2.65	2.74	2.48	2.27	1.86	1.29		
			9491	3.27	2.64	2.74	2.48	2.27	1.86	1.29		
2.4011	145 + 69	15.304235	9392	4.04	3.33	3.45	3.13	2.91	2.47	1.74	82.97%	90.44%
			9464	4.00	3.33	3.45	3.17	2.95	2.47	1.74		
			9440	4.00	3.33	3.45	3.17	2.95	2.43	1.74		
			9432	4.01	3.33	3.45	3.16	2.94	2.46	1.74		
2.3801	143 + 59	15.344008	9424	3.80	2.81	3.12	2.81	2.55	2.07	1.37	73.86%	80.50%
			9352	3.76	2.77	3.12	2.81	2.59	2.03	1.33		
			9440	3.80	2.81	3.12	2.81	2.55	2.11	1.37		
			9405	3.79	2.80	3.12	2.81	2.56	2.07	1.36		
2.3711	142 + 69	15.361053	9400	3.92	2.89	3.32	3.05	2.83	2.35	1.66	73.14%	79.72%
			9392	3.92	2.85	3.32	3.05	2.83	2.35	1.62		
			9408	3.96	2.89	3.37	3.09	2.87	2.39	1.66		
			9400	3.93	2.88	3.34	3.06	2.84	2.36	1.65		
2.3606	141 + 64	15.380939	9416	4.08	2.89	3.45	3.17	2.91	2.39	1.66	70.83%	77.21%
			9392	4.08	2.89	3.41	3.17	2.95	2.39	1.66		
			9432	4.08	2.89	3.45	3.17	2.91	2.39	1.66		
			9413	4.08	2.89	3.44	3.17	2.92	2.39	1.66		
2.3501	140 + 59	15.400826	9464	3.14	2.61	2.66	2.40	2.19	1.82	1.25	83.12%	90.60%
			9440	3.14	2.61	2.66	2.40	2.23	1.78	1.25		
			9416	3.14	2.61	2.66	2.40	2.23	1.78	1.25		
			9440	3.14	2.61	2.66	2.40	2.22	1.79	1.25		
2.3411	139 + 69	15.417871	9352	3.92	3.53	3.37	3.05	2.83	2.35	1.66	90.05%	98.16%
			9400	3.92	3.57	3.37	3.09	2.87	2.39	1.66		
			9424	3.92	3.49	3.37	3.05	2.87	2.35	1.66		
			9392	3.92	3.53	3.37	3.06	2.86	2.36	1.66		

MI ft	STATION	LOG MILE	Load lb	d0 0"	d-12 -12"	d12 12"	d18 18"	d24 24"	d36 36"	d60 60"	Load Transfer% (LT)	Adj. Load Transfer% (LTadj)
2.3201	137 + 59	15.467644	9376	3.84	2.21	3.24	2.97	2.71	2.27	1.58	57.90%	63.11%
			9368	3.84	2.21	3.24	2.93	2.71	2.23	1.58		
			9376	3.84	2.25	3.24	2.97	2.71	2.27	1.58		
			9373	3.84	2.22	3.24	2.96	2.71	2.26	1.58		
2.3111	136 + 69	15.474689	9432	3.63	2.65	2.99	2.68	2.43	1.99	1.29	73.37%	79.97%
			9384	3.63	2.65	2.99	2.68	2.43	1.94	1.29		
			9456	3.63	2.69	2.99	2.68	2.43	1.99	1.29		
			9424	3.63	2.66	2.99	2.68	2.43	1.97	1.29		
2.3007	135 + 65	15.494386	9408	3.19	2.49	2.74	2.52	2.35	1.99	1.37	78.06%	85.08%
			9416	3.19	2.49	2.74	2.56	2.39	1.94	1.41		
			9400	3.19	2.49	2.74	2.52	2.39	1.99	1.41		
			9408	3.19	2.49	2.74	2.53	2.38	1.97	1.40		
2.2901	134 + 59	15.514462	9408	2.98	2.69	2.53	2.36	2.19	1.82	1.29	90.27%	98.39%
			9432	2.98	2.69	2.53	2.36	2.15	1.82	1.29		
			9472	2.98	2.69	2.58	2.36	2.19	1.82	1.29		
			9437	2.98	2.69	2.55	2.36	2.18	1.82	1.29		
2.2811	133 + 69	15.531508	9480	3.23	2.09	2.70	2.44	2.27	1.82	1.25	64.69%	70.40%
			9480	3.27	2.17	2.70	2.48	2.23	1.82	1.25		
			9464	3.27	2.05	2.70	2.44	2.27	1.78	1.25		
			9476	3.26	2.10	2.70	2.45	2.26	1.81	1.25		
2.2601	131 + 59	15.571280	9424	3.63	2.49	2.95	2.68	2.43	1.99	1.33	68.23%	74.37%
			9440	3.63	2.49	2.99	2.73	2.47	1.99	1.29		
			9488	3.63	2.45	2.99	2.68	2.43	1.99	1.29		
			9451	3.63	2.48	2.98	2.70	2.44	1.99	1.30		
2.2482	130 + 40	15.593818	9408	3.35	2.45	2.78	2.52	2.27	1.86	1.25	72.95%	79.62%
			9360	3.39	2.49	2.78	2.52	2.27	1.86	1.25		
			9376	3.39	2.45	2.78	2.52	2.27	1.86	1.25		
			9381	3.38	2.46	2.78	2.52	2.27	1.86	1.25		
2.2408	129 + 66	15.607833	9368	3.55	2.69	2.95	2.64	2.43	1.99	1.37	75.59%	82.39%
			9424	3.51	2.65	2.87	2.60	2.39	1.94	1.33		
			9392	3.51	2.65	2.87	2.60	2.39	1.90	1.33		
			9395	3.52	2.66	2.90	2.61	2.40	1.94	1.34		
2.2302	128 + 60	15.627909	9416	3.27	2.33	2.70	2.44	2.23	1.82	1.25	71.84%	78.31%
			9368	3.23	2.33	2.70	2.44	2.23	1.82	1.25		
			9432	3.23	2.33	2.70	2.44	2.23	1.82	1.25		
			9406	3.24	2.33	2.70	2.44	2.23	1.82	1.25		
2.2106	126 + 64	15.665030	9600	3.35	2.69	2.78	2.52	2.31	1.90	1.29	80.94%	88.23%
			9592	3.31	2.69	2.78	2.56	2.31	1.90	1.29		
			9584	3.31	2.69	2.78	2.52	2.31	1.90	1.33		
			9692	3.32	2.69	2.78	2.53	2.31	1.90	1.30		
2.1896	124 + 54	15.704803	9624	3.35	2.49	2.74	2.48	2.23	1.82	1.29	73.53%	80.15%
			9608	3.35	2.45	2.74	2.48	2.23	1.82	1.25		
			9592	3.35	2.45	2.74	2.48	2.23	1.82	1.25		
			9608	3.35	2.46	2.74	2.48	2.23	1.82	1.26		
2.1702	122 + 60	15.741545	9520	3.47	2.69	2.91	2.68	2.43	2.03	1.37	77.43%	84.40%
			9544	3.47	2.69	2.95	2.73	2.47	2.03	1.41		
			9544	3.43	2.65	2.91	2.64	2.43	1.99	1.37		
			9536	3.46	2.68	2.92	2.68	2.44	2.02	1.38		
2.1598	121 + 56	15.761242	9592	3.35	2.85	2.83	2.56	2.35	1.90	1.33	85.13%	92.80%
			9512	3.35	2.85	2.83	2.56	2.31	1.90	1.33		
			9552	3.39	2.89	2.87	2.60	2.35	1.94	1.37		
			9552	3.36	2.86	2.84	2.57	2.34	1.91	1.34		
2.1507	120 + 65	15.778477	9576	3.63	2.85	3.03	2.73	2.51	2.03	1.37	77.78%	84.78%
			9608	3.63	2.81	2.99	2.73	2.47	1.99	1.37		
			9576	3.63	2.81	2.99	2.73	2.47	2.03	1.37		
			9687	3.63	2.82	3.00	2.73	2.48	2.02	1.37		

Mi. ft	STATION	LOG MILE	Load lb	d0 0"	d-12 -12"	d12 12"	d18 18"	d24 24"	d36 36"	d60 60"	Load Transfer% (LT)	Adj. Load Transfer% (LTadj)
2.1311	118 + 69	15.815598	9488	3.06	2.77	2.66	2.44	2.23	1.86	1.29	89.22%	97.25%
			9480	3.06	2.73	2.66	2.44	2.23	1.86	1.29		
			9472	3.06	2.69	2.62	2.40	2.23	1.86	1.29		
			AVE	9480	3.06	2.73	2.65	2.43	2.23	1.86		
2.1056	116 + 14	15.863894	9512	3.47	2.97	2.91	2.68	2.47	2.03	1.37	86.36%	94.13%
			9536	3.47	3.01	2.91	2.73	2.51	2.07	1.41		
			9568	3.47	3.01	2.91	2.68	2.47	2.03	1.41		
			AVE	9539	3.47	3.00	2.91	2.70	2.48	2.04		
2.0846	114 + 04	15.903667	9464	3.23	2.89	2.78	2.60	2.39	1.99	1.41	88.65%	96.63%
			9464	3.23	2.85	2.78	2.56	2.35	1.99	1.37		
			9440	3.23	2.85	2.78	2.56	2.35	1.99	1.37		
			AVE	9456	3.23	2.86	2.78	2.67	2.36	1.99		
2.0696	112 + 54	15.932076	9480	3.27	2.45	2.74	2.52	2.31	1.86	1.29	74.92%	81.67%
			9464	3.27	2.45	2.78	2.52	2.31	1.90	1.33		
			9480	3.27	2.45	2.78	2.48	2.27	1.86	1.33		
			AVE	9475	3.27	2.45	2.77	2.51	2.30	1.87		
2.0606	111 + 64	15.949121	9504	2.98	2.73	2.53	2.32	2.11	1.78	1.25	91.16%	99.37%
			9496	2.98	2.73	2.49	2.32	2.11	1.78	1.25		
			9496	2.98	2.69	2.49	2.28	2.15	1.78	1.25		
			AVE	9499	2.98	2.72	2.50	2.31	2.12	1.78		
2.0397	109 + 55	15.988705	9480	3.35	2.49	2.78	2.56	2.31	1.90	1.29	74.92%	81.67%
			9456	3.31	2.49	2.78	2.56	2.31	1.90	1.25		
			9448	3.31	2.49	2.78	2.56	2.31	1.90	1.25		
			AVE	9461	3.32	2.49	2.78	2.56	2.31	1.90		
2.0247	108 + 05	16.017114	9496	4.21	3.82	3.45	3.13	2.75	2.23	1.37	91.05%	99.25%
			9512	4.21	3.82	3.45	3.13	2.79	2.23	1.41		
			9472	4.21	3.86	3.45	3.13	2.79	2.23	1.41		
			AVE	9493	4.21	3.83	3.46	3.13	2.78	2.23		
2.0201	107 + 59	16.025826	9456	3.23	2.81	2.74	2.48	2.27	1.90	1.33	86.23%	93.99%
			9504	3.27	2.77	2.74	2.48	2.31	1.90	1.29		
			9488	3.23	2.81	2.74	2.48	2.27	1.86	1.33		
			AVE	9483	3.24	2.80	2.74	2.48	2.28	1.89		
2.0157	107 + 15	16.034159	9472	3.72	3.25	3.16	2.89	2.67	2.19	1.49	86.34%	94.11%
			9416	3.76	3.21	3.20	2.89	2.67	2.23	1.54		
			9472	3.72	3.21	3.16	2.89	2.63	2.19	1.45		
			AVE	9453	3.73	3.22	3.17	2.89	2.66	2.20		
2.0007	105 + 65	16.062668	9424	3.10	2.41	2.58	2.32	2.11	1.74	1.13	78.17%	85.21%
			9464	3.10	2.45	2.58	2.32	2.11	1.74	1.13		
			9432	3.10	2.41	2.58	2.32	2.11	1.74	1.13		
			AVE	9440	3.10	2.42	2.58	2.32	2.11	1.74		
1.5076	103 + 54	16.102530	9400	3.47	2.49	2.87	2.56	2.35	1.82	1.17	71.76%	78.22%
			9448	3.47	2.49	2.87	2.56	2.31	1.86	1.21		
			9432	3.47	2.49	2.87	2.56	2.31	1.86	1.17		
			AVE	9427	3.47	2.49	2.87	2.56	2.32	1.85		
1.4882	101 + 60	16.139273	9416	3.10	2.37	2.49	2.20	1.99	1.54	0.97	76.02%	82.86%
			9464	3.10	2.33	2.49	2.20	1.99	1.54	0.97		
			9448	3.10	2.37	2.49	2.20	1.99	1.58	1.01		
			AVE	9443	3.10	2.36	2.49	2.20	1.99	1.55		
1.4686	99 + 64	16.176394	9472	2.61	2.25	2.16	1.95	1.79	1.46	0.97	86.21%	93.97%
			9424	2.61	2.25	2.16	1.91	1.79	1.46	1.01		
			9464	2.61	2.25	2.16	1.95	1.79	1.46	1.01		
			AVE	9453	2.61	2.25	2.16	1.94	1.79	1.46		

Mi.ft	STATION	LOG MILE	Load lb	d0 0"	d-12 -12"	d12 12"	d18 18"	d24 24"	d36 36"	d60 60"	Load Transfer% (LT)	Adj. Load Transfer% (LTadj)
1.4477	97 + 55	16.215977	9432	2.94	2.05	2.37	2.07	1.87	1.46	0.89		
			9464	2.94	2.09	2.37	2.12	1.87	1.46	0.93		
			9424	2.94	2.05	2.33	2.07	1.83	1.46	0.93		
	AVE		9440	2.94	2.06	2.36	2.09	1.86	1.46	0.92	70.18%	76.50%
1.4327	96 + 05	16.244386	9496	2.57	2.29	2.12	1.91	1.75	1.38	0.97		
			9520	2.49	2.25	2.08	1.87	1.67	1.34	0.89		
			9520	2.53	2.21	2.04	1.87	1.75	1.30	0.93		
	AVE		9512	2.53	2.25	2.08	1.88	1.72	1.34	0.93	88.93%	96.94%
1.4237	95 + 15	16.261432	9448	3.55	2.61	3.03	2.73	2.47	2.07	1.37		
			9448	3.55	2.61	2.99	2.73	2.51	2.07	1.33		
			9440	3.55	2.61	2.99	2.73	2.47	2.07	1.33		
	AVE		9445	3.55	2.61	3.00	2.73	2.48	2.07	1.34	73.52%	80.14%
1.4130	94 + 08	16.281697	9504	2.49	2.29	2.24	2.12	1.99	1.74	1.29		
			9552	2.53	2.21	2.29	2.07	2.03	1.66	1.33		
			9520	2.57	2.33	2.33	2.12	2.07	1.78	1.37		
	AVE		9525	2.53	2.28	2.29	2.10	2.03	1.73	1.33	89.99%	98.09%
1.3935	92 + 13	16.318629	9496	3.43	2.73	2.91	2.68	2.47	2.11	1.45		
			9480	3.43	2.73	2.91	2.64	2.47	2.11	1.45		
			9512	3.43	2.73	2.91	2.68	2.47	2.11	1.45		
	AVE		9496	3.43	2.73	2.91	2.67	2.47	2.11	1.45	79.59%	86.76%
1.3875	91 + 53	16.329992	9464	2.70	2.33	2.41	2.20	2.07	1.78	1.25		
			9448	2.74	2.33	2.41	2.24	2.07	1.78	1.29		
			9432	2.70	2.29	2.37	2.20	2.07	1.74	1.25		
	AVE		9448	2.71	2.32	2.40	2.21	2.07	1.77	1.26	85.38%	93.07%
1.3831	91 + 09	16.338326	9424	2.70	2.45	2.37	2.20	1.99	1.74	1.25		
			9448	2.70	2.45	2.37	2.20	2.03	1.74	1.25		
			9456	2.74	2.53	2.41	2.24	2.07	1.78	1.29		
	AVE		9443	2.71	2.48	2.38	2.21	2.03	1.75	1.26	91.28%	99.49%
1.3725	90 + 03	16.358402	9424	2.90	2.41	2.45	2.24	2.03	1.70	1.17		
			9440	2.94	2.53	2.49	2.28	2.11	1.78	1.21		
			9408	2.90	2.45	2.45	2.28	2.07	1.74	1.21		
	AVE		9424	2.91	2.46	2.46	2.27	2.07	1.74	1.20	84.55%	92.16%
1.3530	88 + 08	16.395333	9464	2.70	2.33	2.24	2.03	1.87	1.50	1.01		
			9440	2.70	2.25	2.24	2.03	1.87	1.50	1.05		
			9440	2.70	2.29	2.24	2.03	1.83	1.50	1.01		
	AVE		9448	2.70	2.29	2.24	2.03	1.86	1.50	1.02	84.81%	92.45%
1.3320	85 + 98	16.435106	9408	3.59	2.45	2.99	2.77	2.55	2.03	1.41		
			9448	3.59	2.45	2.99	2.73	2.51	2.03	1.37		
			9448	3.59	2.45	3.03	2.77	2.55	2.07	1.41		
	AVE		9435	3.59	2.45	3.00	2.76	2.54	2.04	1.40	68.25%	74.39%
1.3275	85 + 53	16.443629	9464	3.47	2.97	2.99	2.77	2.55	2.15	1.54		
			9480	3.47	3.01	2.99	2.73	2.55	2.15	1.54		
			9440	3.47	3.01	2.99	2.77	2.51	2.15	1.49		
	AVE		9461	3.47	3.00	2.99	2.76	2.54	2.15	1.52	86.36%	94.13%
1.3170	84 + 48	16.463515	9440	3.63	2.81	3.03	2.73	2.47	2.03	1.33		
			9440	3.63	2.81	2.99	2.73	2.47	2.03	1.33		
			9416	3.63	2.81	3.03	2.73	2.47	2.03	1.33		
	AVE		9432	3.63	2.81	3.02	2.73	2.47	2.03	1.33	77.41%	84.38%
1.3035	83 + 13	16.489083	9440	2.74	2.17	2.29	2.03	1.87	1.50	1.01		
			9488	2.74	2.25	2.29	2.07	1.87	1.54	1.01		
			9408	2.74	2.21	2.29	2.03	1.87	1.50	1.01		
	AVE		9445	2.74	2.21	2.29	2.04	1.87	1.51	1.01	80.66%	87.92%
1.2870	81 + 48	16.520333	9600	2.98	2.61	2.53	2.32	2.15	1.78	1.25		
			9600	2.94	2.53	2.49	2.28	2.07	1.74	1.21		
			9592	2.90	2.57	2.45	2.24	2.07	1.74	1.21		
	AVE		9597	2.94	2.57	2.49	2.28	2.10	1.75	1.22	87.41%	95.28%

Mi.Rt	STATION	LOG MILE	Load lb	d0 0"	d-12 -12"	d12 12"	d18 18"	d24 24"	d36 36"	d60 60"	Load Transfer% (LT)	Adj. Load Transfer% (LTadj)
1.2824	81 + 02	16.529045	9512	3.06	2.61	2.58	2.36	2.19	1.82	1.21	86.73%	93.45%
			9528	3.06	2.65	2.58	2.40	2.19	1.82	1.25		
			9536	3.06	2.61	2.58	2.36	2.19	1.82	1.21		
			9525	3.06	2.62	2.58	2.37	2.19	1.82	1.22		
1.2780	80 + 58	16.537379	9504	2.94	2.53	2.45	2.28	2.07	1.70	1.21	86.57%	94.36%
			9552	2.94	2.53	2.45	2.28	2.07	1.70	1.21		
			9512	2.98	2.61	2.53	2.28	2.11	1.82	1.21		
			9523	2.95	2.56	2.48	2.28	2.08	1.74	1.21		
1.2734	80 + 12	16.546091	9520	2.94	2.29	2.45	2.24	2.03	1.70	1.17	77.44%	84.41%
			9512	2.94	2.29	2.45	2.24	2.03	1.70	1.13		
			9496	2.94	2.25	2.45	2.20	2.07	1.74	1.17		
			9509	2.94	2.28	2.45	2.23	2.04	1.71	1.16		
1.2630	79 + 08	16.565788	9472	2.49	2.37	2.16	1.99	1.87	1.54	1.09	94.65%	100.00%
			9464	2.49	2.33	2.16	1.99	1.87	1.54	1.09		
			9504	2.49	2.37	2.20	1.99	1.87	1.54	1.13		
			9480	2.49	2.36	2.17	1.99	1.87	1.54	1.10		
1.2524	78 + 02	16.585864	9424	2.74	2.29	2.29	2.12	1.95	1.62	1.17	83.93%	91.48%
			9416	2.70	2.25	2.24	2.03	1.91	1.58	1.13		
			9408	2.65	2.25	2.24	2.07	1.87	1.58	1.13		
			9416	2.70	2.26	2.26	2.07	1.91	1.59	1.14		
1.2434	77 + 12	16.602909	9464	3.14	2.49	2.62	2.40	2.19	1.82	1.25	80.16%	87.36%
			9464	3.14	2.53	2.66	2.40	2.23	1.82	1.25		
			9472	3.14	2.53	2.66	2.40	2.23	1.78	1.25		
			9467	3.14	2.52	2.65	2.40	2.22	1.81	1.25		
1.2279	75 + 57	16.632265	9448	3.23	2.29	2.62	2.36	2.11	1.70	1.13	70.90%	77.28%
			9480	3.23	2.29	2.62	2.36	2.11	1.70	1.13		
			9480	3.23	2.29	2.62	2.32	2.11	1.66	1.09		
			9469	3.23	2.29	2.62	2.35	2.11	1.69	1.12		
1.2234	75 + 12	16.640788	9440	3.43	2.57	2.78	2.52	2.27	1.86	1.25	75.89%	82.72%
			9424	3.43	2.61	2.83	2.52	2.31	1.86	1.25		
			9464	3.51	2.69	2.87	2.60	2.39	1.94	1.29		
			9443	3.46	2.62	2.83	2.55	2.32	1.89	1.26		
1.2129	74 + 07	16.660674	9512	3.02	2.41	2.49	2.28	2.07	1.70	1.17	79.62%	86.79%
			9472	2.98	2.37	2.45	2.24	2.03	1.62	1.13		
			9496	2.98	2.37	2.45	2.24	2.03	1.62	1.13		
			9493	2.99	2.38	2.46	2.25	2.04	1.65	1.14		
1.2084	73 + 62	16.669197	9408	3.39	2.05	2.66	2.40	2.15	1.70	1.13	61.65%	67.20%
			9400	3.39	2.09	2.70	2.44	2.11	1.70	1.13		
			9408	3.39	2.13	2.70	2.40	2.15	1.74	1.13		
			9405	3.39	2.09	2.69	2.41	2.14	1.71	1.13		
1.2024	73 + 02	16.680551	9456	3.47	2.45	2.83	2.56	2.31	1.90	1.17	71.37%	77.80%
			9416	3.47	2.49	2.83	2.56	2.31	1.86	1.17		
			9472	3.47	2.49	2.87	2.56	2.31	1.86	1.17		
			9448	3.47	2.48	2.84	2.56	2.31	1.87	1.17		
1.1979	72 + 57	16.689083	9472	3.35	2.61	2.78	2.60	2.31	1.82	1.25	78.62%	85.70%
			9464	3.35	2.61	2.78	2.60	2.35	1.78	1.29		
			9448	3.31	2.65	2.83	2.52	2.31	1.86	1.21		
			9461	3.34	2.62	2.80	2.57	2.32	1.82	1.25		
1.1784	70 + 62	16.726015	9400	2.33	2.05	1.87	1.67	1.51	1.18	0.73	87.98%	95.90%
			9408	2.33	2.05	1.87	1.67	1.47	1.18	0.73		
			9408	2.33	2.05	1.87	1.67	1.47	1.18	0.73		
			9405	2.33	2.05	1.87	1.67	1.48	1.18	0.73		

Mi. #	STATION	LOG MILE	Load lb	d0 0"	d-12 -12"	d12 12"	d18 18"	d24 24"	d36 36"	d60 60"	Load Transfer% (LT)	Adj. Load Transfer% (LTadj)
1.1574	68 + 52	16.765788	9456	2.57	1.81	2.04	1.79	1.63	1.26	0.81		
			9472	2.57	1.81	2.04	1.79	1.63	1.22	0.85		
			9456	2.57	1.81	2.04	1.75	1.63	1.22	0.85		
	AVE		9461	2.57	1.81	2.04	1.78	1.63	1.23	0.84	70.43%	76.77%
1.1469	67 + 47	16.785674	9392	2.70	1.69	2.12	1.87	1.63	1.26	0.77		
			9352	2.74	1.73	2.16	1.87	1.67	1.30	0.81		
			9416	2.74	1.69	2.12	1.83	1.63	1.26	0.77		
	AVE		9387	2.73	1.70	2.13	1.86	1.64	1.27	0.78	62.47%	68.09%
1.1379	66 + 57	16.802720	9368	2.94	2.41	2.41	2.12	1.91	1.50	0.97		
			9448	2.98	2.49	2.45	2.16	1.95	1.54	1.01		
			9400	2.94	2.41	2.41	2.12	1.91	1.50	0.97		
	AVE		9405	2.95	2.44	2.42	2.13	1.92	1.51	0.98	82.51%	89.93%
1.1274	65 + 52	16.822606	9368	3.31	1.93	2.66	2.36	2.11	1.66	1.05		
			9320	3.31	1.93	2.66	2.36	2.11	1.70	1.05		
			9376	3.31	1.97	2.66	2.36	2.11	1.70	1.05		
	AVE		9355	3.31	1.94	2.66	2.36	2.11	1.69	1.06	58.71%	63.99%
1.1168	64 + 46	16.842682	9384	2.65	1.97	2.12	1.87	1.67	1.30	0.81		
			9392	2.65	1.97	2.12	1.87	1.67	1.30	0.81		
			9352	2.61	1.97	2.12	1.87	1.67	1.30	0.81		
	AVE		9376	2.64	1.97	2.12	1.87	1.67	1.30	0.81	74.72%	81.44%
1.0973	62 + 51	16.879614	9376	2.90	2.01	2.33	2.07	1.83	1.42	0.85		
			9368	2.90	2.01	2.33	2.07	1.83	1.42	0.89		
			9360	2.94	2.05	2.33	2.07	1.83	1.46	0.89		
	AVE		9368	2.91	2.02	2.33	2.07	1.83	1.43	0.88	69.45%	75.70%
1.0869	61 + 47	16.899311	9376	3.02	2.45	2.45	2.24	1.99	1.62	1.09		
			9328	3.02	2.45	2.45	2.24	1.99	1.62	1.09		
			9328	3.02	2.45	2.45	2.24	1.99	1.58	1.09		
	AVE		9344	3.02	2.45	2.45	2.24	1.99	1.61	1.09	81.13%	88.43%
1.0779	60 + 57	16.916356	9320	3.76	2.49	3.07	2.73	2.47	1.99	1.29		
			9384	3.72	2.41	2.99	2.68	2.43	1.94	1.25		
			9320	3.68	2.45	2.99	2.68	2.39	1.94	1.25		
	AVE		9341	3.72	2.45	3.02	2.70	2.43	1.96	1.26	65.86%	71.79%
1.0569	58 + 47	16.956129	9312	3.35	2.17	2.66	2.36	2.11	1.62	1.05		
			9264	3.35	2.17	2.66	2.36	2.07	1.62	1.01		
			9272	3.35	2.17	2.66	2.36	2.07	1.62	1.01		
	AVE		9283	3.35	2.17	2.66	2.36	2.08	1.62	1.02	64.78%	70.61%
1.0523	58 + 01	16.964841	9264	3.19	2.73	2.58	2.36	2.03	1.82	1.17		
			9280	3.19	2.73	2.58	2.44	2.11	1.90	1.58		
			9304	3.02	2.69	2.53	2.44	2.11	1.86	1.33		
	AVE		9283	3.13	2.72	2.56	2.41	2.08	1.86	1.36	86.70%	94.51%
1.0418	56 + 96	16.984727	9416	3.31	3.09	2.83	2.60	2.39	1.99	1.41		
			9480	3.39	3.17	2.95	2.68	2.47	2.07	1.45		
			9392	3.31	3.05	2.83	2.56	2.35	1.94	1.37		
	AVE		9429	3.34	3.10	2.87	2.61	2.40	2.00	1.41	93.01%	100.00%
1.0268	55 + 46	17.013136	9376	2.78	2.37	2.33	2.12	1.91	1.54	1.05		
			9416	2.78	2.37	2.29	2.07	1.91	1.54	1.05		
			9432	2.78	2.37	2.33	2.12	1.91	1.54	1.05		
	AVE		9408	2.78	2.37	2.32	2.10	1.91	1.54	1.05	85.25%	92.92%
1.0120	53 + 98	17.041167	9360	2.82	2.49	2.41	2.20	2.03	1.70	1.21		
			9368	2.82	2.49	2.41	2.20	2.03	1.66	1.17		
			9368	2.82	2.41	2.41	2.20	2.07	1.66	1.17		
	AVE		9365	2.82	2.46	2.41	2.20	2.04	1.67	1.18	87.35%	95.21%
0.5251	52 + 49	17.069386	9352	2.74	2.25	2.24	1.99	1.79	1.46	1.01		
			9368	2.74	2.25	2.24	1.99	1.79	1.46	0.97		
			9344	2.78	2.25	2.24	2.03	1.83	1.46	0.97		
	AVE		9355	2.75	2.25	2.24	2.00	1.80	1.46	0.98	81.72%	89.07%

Mi. ft	STATION	LOG MILE	Load lb	d0 0"	d-12 -12"	d12 12"	d18 18"	d24 24"	d36 36"	d60 60"	Load Transfer% (LT)	Adj. Load Transfer% (LTadj)
0.5103	51 + 01	17.097417	9480	2.86	2.37	2.37	2.16	1.91	1.58	1.05	81.93%	89.31%
			9384	2.86	2.33	2.33	2.12	1.91	1.54	1.05		
			9424	2.86	2.33	2.37	2.12	1.91	1.54	1.05		
			9429	2.86	2.34	2.36	2.13	1.91	1.66	1.05		
0.5013	50 + 11	17.114462	9392	2.94	2.21	2.37	2.16	1.91	1.54	1.05	75.40%	82.19%
			9416	2.90	2.17	2.37	2.12	1.91	1.54	1.01		
			9400	2.90	2.21	2.37	2.12	1.91	1.54	1.01		
			9403	2.91	2.20	2.37	2.13	1.91	1.64	1.02		
0.4952	49 + 50	17.126016	9376	3.59	2.69	2.95	2.64	2.39	1.90	1.25	75.21%	81.98%
			9384	3.59	2.69	2.95	2.64	2.39	1.90	1.25		
			9352	3.55	2.69	2.91	2.60	2.35	1.90	1.25		
			9371	3.58	2.69	2.94	2.63	2.38	1.90	1.25		
0.4908	49 + 06	17.134348	9344	3.39	2.93	2.87	2.60	2.35	1.94	1.33	86.04%	93.78%
			9368	3.39	2.93	2.87	2.60	2.35	1.99	1.33		
			9352	3.39	2.89	2.83	2.56	2.35	1.90	1.33		
			9355	3.39	2.92	2.86	2.69	2.36	1.94	1.33		
0.4863	48 + 61	17.142871	9368	3.02	2.49	2.53	2.32	2.11	1.74	1.17	82.37%	89.79%
			9352	3.02	2.49	2.53	2.32	2.11	1.74	1.21		
			9376	2.98	2.45	2.49	2.28	2.07	1.70	1.17		
			9365	3.01	2.48	2.52	2.31	2.10	1.73	1.18		
0.4713	47 + 11	17.171280	9376	2.70	2.37	2.33	2.12	1.95	1.62	1.13	87.35%	95.21%
			9392	2.70	2.37	2.33	2.12	1.95	1.62	1.13		
			9392	2.74	2.37	2.33	2.12	1.95	1.62	1.13		
			9387	2.71	2.37	2.33	2.12	1.95	1.62	1.13		
0.4608	46 + 06	17.191167	9392	2.82	2.33	2.33	2.16	1.95	1.58	1.09	82.71%	90.15%
			9376	2.82	2.33	2.33	2.12	1.91	1.58	1.09		
			9360	2.86	2.37	2.37	2.16	1.95	1.62	1.09		
			9376	2.83	2.34	2.34	2.16	1.94	1.69	1.09		

Appendix C - Load Transfer Values

Audrain County

Log Mile	Load lbs	d0 0"	d-12 -12"	d12 12"	d18 18"	d24 24"	d36 36"	d60 60"	Load Transfer (LT)	Adj. Load Transfer (LTadj)
S 3.467P3J5	10040	5.83	5.31	4.77	4.21	3.72	2.94	1.67	90.23%	97.36%
	10064	5.91	5.31	4.73	4.17	3.72	2.90	1.63		
	10048	5.87	5.27	4.73	4.17	3.72	2.90	1.63		
	10051	5.87	5.30	4.74	4.18	3.72	2.91	1.64		
S 3.490P3J5	10104	5.27	4.54	4.27	3.76	3.36	2.62	1.51	85.86%	92.64%
	10176	5.43	4.62	4.35	3.85	3.40	2.70	1.59		
	10136	5.35	4.62	4.35	3.81	3.40	2.66	1.55		
	10139	5.35	4.59	4.32	3.81	3.39	2.66	1.55		
S 3.514P3J5	10048	5.43	4.74	4.43	3.97	3.56	2.82	1.67	87.08%	93.96%
	10040	5.43	4.74	4.43	3.93	3.52	2.78	1.63		
	10064	5.47	4.74	4.43	3.93	3.52	2.78	1.63		
	10051	5.44	4.74	4.43	3.94	3.53	2.79	1.64		
S 3.537P3J5	10064	5.71	5.02	4.73	4.26	3.84	3.19	2.00	87.71%	94.64%
	10088	5.75	5.02	4.73	4.26	3.84	3.15	2.00		
	10056	5.71	5.02	4.73	4.26	3.84	3.15	1.96		
	10069	5.72	5.02	4.73	4.26	3.84	3.16	1.99		
S 3.560P3J5	9992	5.55	4.90	4.56	4.17	3.72	2.98	1.83	88.82%	95.84%
	10008	5.55	4.94	4.60	4.09	3.72	3.03	1.96		
	10032	5.63	5.02	4.64	4.05	3.72	3.07	2.00		
	10011	5.58	4.95	4.60	4.10	3.72	3.03	1.93		
S 3.584P3J5	9888	7.16	6.08	5.90	5.24	4.76	3.88	2.40	84.54%	91.22%
	9920	7.20	6.08	5.90	5.28	4.80	3.92	2.45		
	9880	7.12	6.00	5.86	5.24	4.76	3.88	2.40		
	9896	7.16	6.05	5.89	5.25	4.77	3.89	2.42		
S 3.607P3J5	9872	6.75	6.40	5.65	5.07	4.64	3.80	2.40	94.83%	100.00%
	9944	6.79	6.44	5.69	5.12	4.68	3.84	2.40		
	9912	6.75	6.40	5.65	5.12	4.64	3.84	2.40		
	9909	6.76	6.41	5.66	5.10	4.65	3.83	2.40		
S 3.630P3J5	9928	6.59	6.16	5.56	5.03	4.56	3.76	2.36	93.06%	100.00%
	9952	6.59	6.12	5.52	4.95	4.52	3.68	2.32		
	9968	6.55	6.08	5.48	4.95	4.52	3.68	2.32		
	9949	6.58	6.12	5.52	4.98	4.53	3.71	2.33		
S 3.654P3J5	10040	6.51	5.63	5.40	4.83	4.40	3.56	2.20	86.10%	92.90%
	10048	6.55	5.63	5.36	4.79	4.36	3.56	2.16		
	9984	6.51	5.59	5.36	4.79	4.32	3.52	2.16		
	10024	6.52	5.62	5.37	4.80	4.36	3.55	2.17		
S 3.677P3J5	10048	6.23	5.47	5.15	4.58	4.16	3.35	2.04	87.80%	94.74%
	10040	6.27	5.47	5.15	4.62	4.20	3.39	2.08		
	10040	6.19	5.47	5.10	4.58	4.16	3.39	2.04		
	10043	6.23	5.47	5.13	4.59	4.17	3.38	2.05		
S 3.700P3J5	9976	6.79	5.96	5.61	4.99	4.52	3.64	2.20	87.82%	94.76%
	10040	6.83	5.96	5.61	4.99	4.52	3.64	2.20		
	10032	6.83	6.04	5.69	5.03	4.56	3.72	2.24		
	10016	6.82	5.99	5.64	5.00	4.53	3.67	2.21		
S 3.724P3J5	10008	6.79	6.12	5.69	5.12	4.60	3.76	2.32	89.96%	97.06%
	10064	6.83	6.12	5.69	5.12	4.60	3.80	2.36		
	10048	6.79	6.12	5.65	5.12	4.60	3.76	2.32		
	10040	6.80	6.12	5.68	5.12	4.60	3.77	2.33		
S 3.747P3J5	9928	7.24	6.40	5.94	5.36	4.88	3.92	2.36	88.58%	95.58%
	9912	7.24	6.40	5.94	5.36	4.84	3.88	2.36		
	9928	7.24	6.44	5.98	5.40	4.88	3.92	2.40		
	9923	7.24	6.41	5.95	5.37	4.87	3.91	2.37		

Appendix C - Load Transfer Values

Audrain County

Log Mile	Load lbs	d0 0"	d-12 -12"	d12 12"	d18 18"	d24 24"	d36 36"	d60 60"	Load Transfer (LT)	Adj. Load Transfer (LTadj)
S 3.770P3J5	9968	5.51	4.46	4.52	4.01	3.64	2.90	1.75		
	9952	5.47	4.42	4.52	3.97	3.64	2.90	1.75		
	9976	5.55	4.46	4.52	4.01	3.64	2.90	1.75		
AVE	9965	5.51	4.45	4.52	4.00	3.64	2.90	1.75	80.70%	87.08%
S 3.794P3J5	10032	5.31	4.86	4.39	3.97	3.60	2.94	1.83		
	10000	5.31	4.90	4.39	3.93	3.60	2.90	1.83		
	10000	5.27	4.90	4.39	3.97	3.60	2.94	1.83		
AVE	10011	5.30	4.89	4.39	3.96	3.60	2.93	1.83	92.26%	99.55%
S 3.817P3J5	9928	5.63	4.98	4.64	4.13	3.72	2.98	1.79		
	9944	5.63	4.98	4.60	4.13	3.72	2.98	1.79		
	9904	5.59	4.94	4.60	4.09	3.68	2.94	1.79		
AVE	9925	5.62	4.97	4.61	4.12	3.71	2.97	1.79	88.43%	95.41%
S 3.829P3J5	9952	5.51	3.89	4.39	3.85	3.44	2.70	1.59		
	9904	5.47	3.89	4.35	3.85	3.40	2.70	1.55		
	9944	5.51	3.89	4.39	3.85	3.40	2.70	1.55		
AVE	9933	5.50	3.89	4.38	3.85	3.41	2.70	1.56	70.77%	76.36%

Log Mile	Load lbs	d0 0"	d-12 -12"	d12 12"	d18 18"	d24 24"	d36 36"	d60 60"	Load Transfer (LT)	Adj. Load Transfer (LTadj)
S 2.428P3J4	9608	2.41	2.21	2.24	2.07	1.99	1.58	1.13		
	9472	2.33	2.13	2.16	1.99	1.91	1.50	1.09		
	9416	2.33	2.13	2.12	1.95	1.91	1.50	1.09		
AVE	9499	2.36	2.16	2.17	2.00	1.94	1.53	1.10	91.51%	97.92%
S 2.530P3J4	9464	2.45	2.33	2.12	1.95	1.83	1.54	1.13		
	9448	2.49	2.37	2.16	1.99	1.87	1.54	1.13		
	9480	2.45	2.29	2.16	1.99	1.83	1.54	1.13		
AVE	9464	2.46	2.33	2.15	1.98	1.84	1.54	1.13	94.59%	100.00%
S 2.629P3J4	9456	2.98	2.97	2.58	2.36	2.15	1.82	1.29		
	9480	3.02	2.93	2.62	2.36	2.15	1.82	1.25		
	9512	2.86	2.81	2.45	2.24	2.07	1.70	1.13		
AVE	9483	2.95	2.90	2.55	2.32	2.12	1.78	1.22	98.31%	100.00%
S 2.729P3J4	9368	3.55	3.13	2.95	2.68	2.43	1.94	1.33		
	9384	3.51	3.09	2.95	2.68	2.39	1.94	1.33		
	9408	3.55	3.13	2.99	2.68	2.43	1.99	1.37		
AVE	9387	3.54	3.12	2.96	2.68	2.42	1.96	1.34	88.12%	94.29%
S 2.831P3J4	9456	2.65	2.53	2.33	2.16	1.99	1.70	1.21		
	9480	2.70	2.57	2.37	2.20	2.03	1.74	1.25		
	9480	2.65	2.57	2.33	2.20	2.03	1.78	1.25		
AVE	9472	2.67	2.56	2.34	2.19	2.02	1.74	1.24	95.88%	100.00%
S 2.930P3J4	9464	3.14	3.13	2.70	2.48	2.31	1.94	1.41		
	9480	3.14	3.13	2.66	2.48	2.31	1.94	1.33		
	9464	3.14	3.13	2.70	2.48	2.35	1.94	1.41		
AVE	9469	3.14	3.13	2.69	2.48	2.32	1.94	1.38	99.68%	100.00%
S 3.029P3J4	9432	3.06	2.89	2.66	2.44	2.27	1.90	1.37		
	9416	3.02	2.85	2.62	2.44	2.23	1.86	1.29		
	9456	3.02	2.85	2.62	2.40	2.23	1.86	1.29		
AVE	9435	3.03	2.86	2.63	2.43	2.24	1.87	1.32	94.40%	100.00%
S 3.131P3J4	9368	3.02	3.01	2.62	2.36	2.19	1.78	1.25		
	9352	3.02	2.89	2.58	2.36	2.19	1.78	1.25		
	9360	3.02	2.93	2.58	2.32	2.19	1.74	1.25		
AVE	9360	3.02	2.94	2.59	2.35	2.19	1.77	1.25	97.46%	100.00%
S 3.231P3J4	9392	3.88	2.89	3.24	2.93	2.71	2.23	1.49		
	9408	3.92	2.89	3.24	2.93	2.75	2.19	1.54		
	9400	3.88	2.85	3.24	2.93	2.71	2.19	1.49		
AVE	9400	3.89	2.88	3.24	2.93	2.72	2.20	1.51	73.89%	79.06%
S 3.330P3J4	9392	2.94	2.77	2.62	2.40	2.27	1.90	1.41		
	9408	2.90	2.77	2.58	2.40	2.23	1.86	1.37		
	9392	2.90	2.77	2.58	2.36	2.19	1.86	1.37		
AVE	9397	2.91	2.77	2.59	2.39	2.23	1.87	1.38	95.08%	100.00%

Log Mile	Load lbs	d0 0"	d-12 -12"	d12 12"	d18 18"	d24 24"	d36 36"	d60 60"	Load Transfer (LT)	Adj. Load Transfer (LTadj)
S 3.429P3J4	9352	3.06	2.69	2.66	2.40	2.27	1.86	1.45		
	9400	3.02	2.73	2.62	2.40	2.23	1.86	1.37		
	9376	3.02	3.09	2.62	2.32	2.27	1.82	1.37		
AVE	9376	3.03	2.84	2.63	2.37	2.26	1.85	1.40	93.52%	100.00%
S 3.531P3J4	9312	2.94	2.69	2.53	2.32	2.11	1.74	1.29		
	9376	2.90	2.73	2.53	2.32	2.11	1.78	1.29		
	9368	2.94	2.69	2.49	2.28	2.07	1.74	1.21		
AVE	9352	2.93	2.70	2.52	2.31	2.10	1.75	1.26	92.37%	98.83%
S 3.631P3J4	9440	3.39	2.81	2.87	2.60	2.43	1.94	1.41		
	9360	3.39	2.81	2.87	2.60	2.35	1.94	1.37		
	9408	3.35	2.77	2.83	2.56	2.35	1.94	1.37		
AVE	9403	3.38	2.80	2.86	2.59	2.38	1.94	1.38	82.82%	88.62%
S 3.730P3J4	9408	2.90	2.77	2.74	2.56	2.43	2.15	1.66		
	9384	2.90	2.77	2.70	2.56	2.43	2.11	1.62		
	9400	2.86	2.73	2.66	2.56	2.39	2.11	1.58		
AVE	9397	2.89	2.76	2.70	2.56	2.42	2.12	1.62	95.50%	100.00%
S 3.829P3J4	9408	2.65	2.57	2.41	2.24	2.11	1.86	1.33		
	9408	2.65	2.53	2.37	2.24	2.07	1.82	1.33		
	9424	2.65	2.57	2.41	2.24	2.11	1.86	1.37		
AVE	9413	2.65	2.56	2.40	2.24	2.10	1.85	1.34	96.48%	100.00%
S 3.929P3J4	9376	2.98	2.93	2.66	2.48	2.35	1.94	1.45		
	9400	2.98	2.93	2.66	2.44	2.35	1.94	1.45		
	9416	2.94	2.93	2.62	2.44	2.35	1.94	1.45		
AVE	9397	2.97	2.93	2.65	2.45	2.35	1.94	1.45	98.76%	100.00%
S 4.034P3J4	9416	2.57	2.61	2.37	2.20	2.03	1.78	1.33		
	9456	2.65	2.65	2.37	2.28	2.03	1.82	1.33		
	9384	2.57	2.57	2.33	2.20	2.03	1.78	1.33		
AVE	9419	2.60	2.61	2.36	2.23	2.03	1.79	1.33	100.00%	100.00%
S 4.133P3J4	9360	2.94	2.73	2.62	2.44	2.27	1.99	1.41		
	9360	2.94	2.69	2.58	2.36	2.23	1.94	1.33		
	9368	2.94	2.73	2.62	2.40	2.31	1.94	1.41		
AVE	9363	2.94	2.72	2.61	2.40	2.27	1.96	1.38	92.40%	98.87%
S 4.229P3J4	9200	3.55	3.41	3.03	2.81	2.67	2.27	1.66		
	9200	3.55	3.45	3.07	2.81	2.67	2.27	1.62		
	9232	3.59	3.41	3.07	2.81	2.67	2.27	1.66		
AVE	9211	3.56	3.42	3.06	2.81	2.67	2.27	1.65	96.07%	100.00%
S 4.331P3J4	9448	3.10	3.05	2.70	2.52	2.35	2.03	1.45		
	9360	3.06	2.97	2.66	2.48	2.31	2.03	1.41		
	9472	3.10	3.05	2.74	2.52	2.39	2.03	1.49		
AVE	9427	3.09	3.02	2.70	2.51	2.35	2.03	1.45	97.95%	100.00%

Miles ft	LOG MILES	STATION	LOAD	d0	d-12	d12	d18	d24	d36	d60	Load Transfer	Adj. Load Transfer
			lbs	0"	-12"	12"	18"	24"	36"	60"	(LT)	(LTadj)
25 1345	25.2547	380 + 47	9544	3.90	2.92	3.22	2.91	2.68	2.21	1.43	74.87%	80.34%
			9552	3.90	2.92	3.26	2.91	2.72	2.25	1.47	74.87%	80.34%
			9584	3.94	2.92	3.22	2.91	2.68	2.21	1.43	74.11%	79.52%
AVE			9560	3.91	2.92	3.23	2.91	2.69	2.22	1.44	74.62%	80.06%
25 1225	25.2320	381 + 67	9552	3.62	2.92	3.01	2.70	2.44	2.00	1.35	80.66%	86.55%
			9600	3.62	2.92	3.01	2.70	2.40	2.00	1.35	80.66%	86.55%
			9608	3.62	2.92	3.01	2.70	2.40	2.00	1.35	80.66%	86.55%
AVE			9587	3.62	2.92	3.01	2.70	2.41	2.00	1.35	80.66%	86.55%
25 1106	25.2095	382 + 86	9584	3.54	3.08	2.93	2.62	2.44	2.00	1.35	87.01%	93.36%
			9616	3.58	3.08	2.93	2.62	2.40	2.00	1.35	86.03%	92.31%
			9616	3.58	3.12	2.93	2.66	2.44	2.00	1.35	87.15%	93.51%
AVE			9605	3.57	3.09	2.93	2.63	2.43	2.00	1.35	86.73%	93.06%
25.0986	25.1867	384 + 06	9536	3.50	2.59	2.89	2.54	2.32	1.88	1.18	74.00%	79.40%
			9576	3.54	2.59	2.84	2.58	2.32	1.88	1.18	73.16%	78.50%
			9536	3.50	2.59	2.84	2.54	2.32	1.88	1.18	74.00%	79.40%
AVE			9549	3.51	2.59	2.86	2.55	2.32	1.88	1.18	73.72%	79.10%
25.0865	25.1638	385 + 27	9512	4.10	2.31	3.35	2.99	2.76	2.25	1.43	56.34%	60.45%
			9544	4.10	2.35	3.35	2.99	2.76	2.29	1.47	57.32%	61.50%
			9552	4.10	2.35	3.35	2.99	2.76	2.25	1.47	57.32%	61.50%
AVE			9536	4.10	2.34	3.35	2.99	2.76	2.26	1.46	56.99%	61.15%
25.0746	25.1413	386 + 46	9544	3.62	2.92	2.97	2.66	2.48	2.04	1.35	80.66%	86.55%
			9560	3.70	2.96	3.01	2.70	2.48	2.04	1.39	80.00%	85.84%
			9560	3.66	2.92	2.97	2.70	2.48	2.04	1.35	79.78%	85.61%
AVE			9555	3.66	2.93	2.98	2.69	2.48	2.04	1.36	80.15%	86.00%
25.0626	25.1186	387 + 66	9488	3.90	2.84	3.22	2.86	2.60	2.13	1.35	72.82%	78.14%
			9544	3.86	2.71	3.10	2.74	2.52	2.04	1.35	70.21%	75.33%
			9520	3.82	2.76	3.10	2.78	2.52	2.04	1.30	72.25%	77.53%
AVE			9517	3.86	2.77	3.14	2.79	2.55	2.07	1.33	71.76%	77.00%
25.0506	25.0958	388 + 86	9504	3.78	3.24	3.18	2.86	2.68	2.25	1.55	85.71%	91.97%
			9520	3.78	3.20	3.18	2.86	2.68	2.25	1.55	84.66%	90.84%
			9496	3.74	3.20	3.18	2.82	2.64	2.21	1.51	85.56%	91.81%
AVE			9507	3.77	3.21	3.18	2.85	2.67	2.24	1.54	85.31%	91.54%
25.0385	25.0729	390 + 07	9488	4.06	2.63	3.35	2.95	2.72	2.21	1.39	64.78%	69.51%
			9488	4.10	2.63	3.35	2.99	2.72	2.21	1.39	64.15%	68.83%
			9528	4.10	2.63	3.35	2.99	2.76	2.21	1.39	64.15%	68.83%
AVE			9501	4.09	2.63	3.35	2.98	2.73	2.21	1.39	64.36%	69.05%
25.0265	25.0502	391 + 27	9496	3.78	3.24	3.18	2.86	2.56	2.17	1.39	85.71%	91.97%
			9504	3.82	3.24	3.18	2.91	2.64	2.17	1.43	84.82%	91.01%
			9520	3.82	3.24	3.18	2.91	2.60	2.17	1.43	84.82%	91.01%
AVE			9507	3.81	3.24	3.18	2.89	2.60	2.17	1.42	85.11%	91.33%
25.0145	25.0275	392 + 47	9528	4.02	3.16	3.35	3.03	2.76	2.29	1.55	78.61%	84.35%
			9504	4.02	3.20	3.35	3.07	2.76	2.29	1.55	79.60%	85.41%
			9528	3.98	3.16	3.35	3.03	2.76	2.25	1.55	79.40%	85.19%
AVE			9520	4.01	3.17	3.35	3.04	2.76	2.28	1.55	79.20%	84.98%
25.0025	25.0047	393 + 67	9488	3.78	3.32	3.14	2.82	2.60	2.17	1.55	87.83%	94.24%
			9480	3.74	3.32	3.14	2.82	2.60	2.17	1.51	88.77%	95.25%
			9528	3.78	3.32	3.14	2.82	2.60	2.17	1.51	87.83%	94.24%
AVE			9499	3.77	3.32	3.14	2.82	2.60	2.17	1.52	88.14%	94.58%

Miles ft	LOG MILES	STATION	LOAD	d0	d-12	d12	d18	d24	d36	d60	Load Transfer (LT)	Adj. Load Transfer (LTadj)
			lbs	0"	-12"	12"	18"	24"	36"	60"		
24.5186	24.9822	394 + 86	9464	3.58	2.92	2.93	2.70	2.40	2.00	1.35	81.56%	87.52%
			9520	3.58	2.96	2.97	2.70	2.44	2.04	1.35	82.68%	88.72%
			9488	3.54	2.88	2.89	2.62	2.40	1.96	1.30	81.36%	87.29%
			9491	3.57	2.92	2.93	2.67	2.41	2.00	1.33	81.87%	87.85%
24.5065	24.9593	396 + 07	9464	3.82	2.88	3.14	2.82	2.60	2.13	1.39	75.39%	80.90%
			9448	3.82	2.88	3.18	2.82	2.60	2.13	1.39	75.39%	80.90%
			9496	3.82	2.88	3.18	2.82	2.60	2.13	1.39	75.39%	80.90%
			9469	3.82	2.88	3.17	2.82	2.60	2.13	1.39	75.39%	80.90%
24.4946	24.9367	397 + 26	9504	3.38	2.96	2.89	2.62	2.40	2.00	1.39	87.57%	93.97%
			9496	3.38	2.96	2.84	2.62	2.40	2.00	1.39	87.57%	93.97%
			9504	3.38	2.96	2.89	2.62	2.44	2.04	1.43	87.57%	93.97%
			9501	3.38	2.96	2.87	2.62	2.41	2.01	1.40	87.57%	93.97%
24.4826	24.9140	398 + 46	9504	3.10	2.43	2.55	2.29	2.12	1.76	1.14	78.39%	84.11%
			9456	3.10	2.39	2.51	2.29	2.08	1.72	1.14	77.10%	82.72%
			9464	3.10	2.39	2.51	2.29	2.08	1.72	1.10	77.10%	82.72%
			9475	3.10	2.40	2.52	2.29	2.09	1.73	1.13	77.53%	83.19%
24.4706	24.8913	399 + 66	9456	3.58	2.92	2.97	2.66	2.44	2.00	1.35	81.56%	87.52%
			9432	3.58	2.92	2.97	2.66	2.44	2.00	1.35	81.56%	87.52%
			9464	3.58	2.96	2.97	2.66	2.44	2.00	1.35	82.68%	88.72%
			9451	3.58	2.93	2.97	2.66	2.44	2.00	1.35	81.94%	87.92%
24.4586	24.8686	400 + 86	9496	3.38	2.55	2.80	2.46	2.24	1.84	1.18	75.44%	80.95%
			9504	3.34	2.51	2.76	2.41	2.20	1.80	1.14	75.15%	80.64%
			9528	3.38	2.59	2.80	2.50	2.28	1.88	1.18	76.63%	82.22%
			9509	3.37	2.55	2.79	2.46	2.24	1.84	1.17	75.74%	81.27%
24.4466	24.8458	402 + 06	9464	3.66	2.92	3.01	2.74	2.52	2.08	1.39	79.78%	85.61%
			9432	3.66	2.92	3.01	2.74	2.48	2.04	1.35	79.78%	85.61%
			9456	3.66	2.92	3.01	2.74	2.52	2.08	1.35	79.78%	85.61%
			9451	3.66	2.92	3.01	2.74	2.51	2.07	1.36	79.78%	85.61%
24.4344	24.8227	403 + 28	9504	3.42	3.24	2.93	2.66	2.52	2.13	1.51	94.74%	101.65%
			9480	3.46	3.20	2.93	2.66	2.48	2.08	1.47	92.49%	99.24%
			9464	3.42	3.16	2.93	2.66	2.48	2.08	1.47	92.40%	99.14%
			9483	3.43	3.20	2.93	2.66	2.49	2.10	1.48	93.20%	100.01%
24.4224	24.8000	404 + 48	9448	4.10	3.36	3.43	3.11	2.88	2.41	1.63	81.95%	87.93%
			9464	4.06	3.32	3.43	3.11	2.88	2.41	1.59	81.77%	87.74%
			9504	4.10	3.32	3.43	3.11	2.88	2.41	1.59	80.98%	86.89%
			9472	4.09	3.33	3.43	3.11	2.88	2.41	1.60	81.57%	87.52%
24.4104	24.7773	405 + 68	9424	4.66	3.32	3.85	3.48	3.20	2.62	1.75	71.24%	76.45%
			9456	4.62	3.32	3.85	3.44	3.16	2.62	1.71	71.86%	77.11%
			9440	4.62	3.32	3.85	3.44	3.16	2.62	1.71	71.86%	77.11%
			9440	4.63	3.32	3.85	3.45	3.17	2.62	1.72	71.65%	76.89%
24.3984	24.7545	406 + 88	9400	4.14	3.53	3.47	3.15	2.92	2.41	1.59	85.27%	91.49%
			9440	4.14	3.53	3.47	3.15	2.92	2.41	1.59	85.27%	91.49%
			9456	4.14	3.53	3.51	3.15	2.92	2.41	1.59	85.27%	91.49%
			9432	4.14	3.53	3.48	3.15	2.92	2.41	1.59	85.27%	91.49%
24.3863	24.7316	408 + 09	9376	3.54	2.84	3.01	2.74	2.52	2.13	1.43	80.23%	86.08%
			9400	3.50	2.84	3.01	2.74	2.52	2.13	1.47	81.14%	87.07%
			9424	3.54	2.84	3.01	2.74	2.52	2.13	1.47	80.23%	86.08%
			9400	3.53	2.84	3.01	2.74	2.52	2.13	1.46	80.53%	86.41%

Miles.ft	LOG MILES	STATION	LOAD lbs	d0 0"	d-12 -12"	d12 12"	d18 18"	d24 24"	d36 36"	d60 60"	Load Transfer (LT)	Adj. Load Transfer (LTadj)
24.3744	24.7091	409 + 28	9376	3.50	2.80	2.93	2.82	2.40	1.96	1.30	80.00%	85.84%
			9416	3.50	2.80	2.93	2.62	2.40	1.96	1.35	80.00%	85.84%
			9440	3.50	2.84	2.97	2.66	2.44	2.00	1.35	81.14%	87.07%
			9411	3.50	2.81	2.94	2.63	2.41	1.97	1.33	80.38%	86.25%
24.3624	24.6864	410 + 48	9464	3.50	2.88	2.97	2.66	2.44	2.04	1.39	82.29%	88.29%
			9392	3.50	2.88	2.93	2.66	2.44	2.04	1.39	82.29%	88.29%
			9400	3.50	2.88	2.97	2.66	2.44	2.04	1.39	82.29%	88.29%
			9419	3.50	2.88	2.96	2.66	2.44	2.04	1.39	82.29%	88.29%
24.3504	24.6636	411 + 68	9384	3.42	2.92	2.93	2.66	2.48	2.08	1.47	85.38%	91.61%
			9368	3.42	2.92	2.93	2.66	2.48	2.08	1.47	85.38%	91.61%
			9392	3.42	2.96	2.93	2.66	2.48	2.08	1.47	86.55%	92.87%
			9381	3.42	2.93	2.93	2.66	2.48	2.08	1.47	85.77%	92.03%
24.3384	24.6409	412 + 88	9432	3.66	3.04	3.05	2.74	2.56	2.13	1.47	83.06%	89.12%
			9432	3.62	3.04	3.05	2.74	2.60	2.13	1.47	83.98%	90.11%
			9416	3.62	3.00	3.05	2.74	2.56	2.08	1.43	82.87%	88.92%
			9427	3.63	3.03	3.05	2.74	2.57	2.11	1.46	83.30%	89.38%
24.3264	24.6182	414 + 08	9376	4.14	3.97	3.68	3.40	3.24	2.86	2.16	95.89%	102.89%
			9384	4.18	3.97	3.72	3.44	3.24	2.86	2.16	94.98%	101.91%
			9368	4.14	3.97	3.68	3.44	3.24	2.86	2.16	95.89%	102.89%
			9376	4.15	3.97	3.69	3.43	3.24	2.86	2.16	95.59%	102.56%
24.3145	24.5956	415 + 27	9424	3.18	2.35	2.64	2.37	2.16	1.80	1.18	73.90%	79.29%
			9424	3.18	2.39	2.68	2.37	2.20	1.84	1.26	75.16%	80.64%
			9440	3.18	2.35	2.64	2.37	2.20	1.80	1.22	73.90%	79.29%
			9429	3.18	2.36	2.65	2.37	2.19	1.81	1.22	74.32%	79.74%
24.3025	24.5729	416 + 47	9392	3.22	2.63	2.72	2.46	2.32	1.96	1.35	81.68%	87.64%
			9376	3.26	2.63	2.72	2.46	2.28	1.96	1.35	80.67%	86.56%
			9384	3.22	2.63	2.68	2.41	2.28	1.92	1.35	81.68%	87.64%
			9384	3.23	2.63	2.71	2.44	2.29	1.95	1.35	81.34%	87.28%
24.2904	24.5500	417 + 68	9328	3.02	2.47	2.55	2.33	2.12	1.80	1.22	81.79%	87.76%
			9368	3.02	2.47	2.55	2.33	2.12	1.80	1.22	81.79%	87.76%
			9392	3.06	2.47	2.55	2.33	2.12	1.80	1.26	80.72%	86.61%
			9363	3.03	2.47	2.55	2.33	2.12	1.80	1.23	81.43%	87.37%
24.2784	24.5273	418 + 88	9392	3.42	2.55	2.89	2.58	2.40	1.96	1.35	74.56%	80.00%
			9368	3.46	2.55	2.89	2.58	2.40	2.00	1.35	73.70%	79.08%
			9384	3.42	2.55	2.84	2.58	2.40	2.00	1.35	74.56%	80.00%
			9381	3.43	2.55	2.87	2.58	2.40	1.99	1.35	74.27%	79.69%
24.2664	24.5045	420 + 08	9368	3.10	2.71	2.64	2.41	2.16	1.84	1.22	87.42%	93.80%
			9368	3.10	2.76	2.68	2.37	2.24	1.88	1.26	89.03%	95.53%
			9392	3.10	2.76	2.68	2.41	2.24	1.88	1.26	89.03%	95.53%
			9376	3.10	2.74	2.67	2.40	2.21	1.87	1.25	88.49%	94.95%
24.2544	24.4818	421 + 28	9480	2.73	2.59	2.38	2.17	2.04	1.76	1.26	94.87%	101.80%
			9464	2.73	2.59	2.34	2.17	2.04	1.76	1.26	94.87%	101.80%
			9472	2.65	2.59	2.38	2.17	2.04	1.76	1.26	97.74%	104.87%
			9472	2.70	2.59	2.37	2.17	2.04	1.76	1.26	95.81%	102.80%
24.2425	24.4593	422 + 47	9504	2.65	2.51	2.30	2.13	2.00	1.72	1.22	94.72%	101.63%
			9512	2.69	2.55	2.34	2.17	2.04	1.76	1.26	94.80%	101.72%
			9496	2.65	2.51	2.30	2.09	1.96	1.72	1.22	94.72%	101.63%
			9504	2.66	2.52	2.31	2.13	2.00	1.73	1.23	94.74%	101.66%

Miles ft	LOG MILES	STATION	LOAD	d0	d-12	d12	d18	d24	d36	d60	Load Transfer	Adj. Load Transfer
			lbs	0"	-12"	12"	18"	24"	36"	60"	(LT)	(LTadj)
24 2303	24.4362	423 + 69	9424	2.73	2.63	2.34	2.09	1.96	1.64	1.14	96.34%	103.37%
			9464	2.73	2.67	2.34	2.13	1.96	1.68	1.14	97.80%	104.94%
			9456	2.77	2.63	2.34	2.13	1.96	1.68	1.14	94.95%	101.88%
			9448	2.74	2.64	2.34	2.12	1.96	1.67	1.14	96.35%	103.39%
24 2183	24.4134	424 + 89	9472	2.89	2.80	2.51	2.29	2.12	1.80	1.22	96.89%	103.96%
			9464	2.93	2.80	2.51	2.29	2.12	1.80	1.26	95.56%	102.54%
			9504	2.93	2.84	2.51	2.29	2.16	1.80	1.26	96.93%	104.00%
			9480	2.92	2.81	2.51	2.29	2.13	1.80	1.25	96.46%	103.50%
24 2063	24.3907	426 + 09	9408	2.93	2.92	2.55	2.33	2.20	1.88	1.30	99.66%	106.93%
			9440	2.97	2.92	2.55	2.33	2.20	1.84	1.26	98.32%	105.49%
			9440	2.93	2.84	2.51	2.29	2.12	1.80	1.22	96.93%	104.00%
			9429	2.94	2.89	2.54	2.32	2.17	1.84	1.26	98.30%	105.48%
24 1943	24.3680	427 + 29	9472	3.06	3.00	2.68	2.46	2.40	2.04	1.35	98.04%	105.20%
			9456	3.10	3.00	2.68	2.46	2.40	2.04	1.35	96.77%	103.84%
			9448	3.10	3.00	2.68	2.46	2.36	2.04	1.35	96.77%	103.84%
			9459	3.09	3.00	2.68	2.46	2.39	2.04	1.35	97.19%	104.29%
24.1824	24.3455	428 + 48	9448	2.97	2.88	2.59	2.37	2.24	1.92	1.35	96.97%	104.05%
			9440	2.97	2.92	2.59	2.41	2.24	1.96	1.39	98.32%	105.49%
			9448	2.93	2.84	2.55	2.33	2.20	1.88	1.35	96.93%	104.00%
			9445	2.96	2.88	2.58	2.37	2.23	1.92	1.36	97.41%	104.52%
24.1703	24.3225	429 + 69	9400	2.85	2.80	2.51	2.29	2.16	1.84	1.26	98.25%	105.42%
			9424	2.85	2.80	2.51	2.29	2.16	1.84	1.26	98.25%	105.42%
			9392	2.85	2.80	2.51	2.29	2.12	1.84	1.26	98.25%	105.42%
			9405	2.85	2.80	2.51	2.29	2.15	1.84	1.26	98.25%	105.42%
24.1583	24.2998	430 + 89	9464	3.18	2.96	2.68	2.46	2.28	1.92	1.35	93.08%	99.88%
			9416	3.18	2.96	2.68	2.46	2.28	1.96	1.35	93.08%	99.88%
			9448	3.14	2.96	2.68	2.46	2.28	1.92	1.35	94.27%	101.15%
			9443	3.17	2.96	2.68	2.46	2.28	1.93	1.35	93.47%	100.30%
24 1464	24.2773	432 + 08	9440	2.77	2.63	2.43	2.25	2.12	1.80	1.26	94.95%	101.88%
			9392	2.77	2.67	2.43	2.25	2.08	1.80	1.26	96.39%	103.43%
			9464	2.77	2.71	2.47	2.25	2.12	1.80	1.26	97.83%	104.98%
			9432	2.77	2.67	2.44	2.25	2.11	1.80	1.26	96.39%	103.43%
24 1344	24.2545	433 + 28	9400	3.26	3.04	2.84	2.62	2.48	2.13	1.51	93.25%	100.06%
			9424	3.26	3.04	2.84	2.62	2.44	2.08	1.47	93.25%	100.06%
			9400	3.26	3.04	2.84	2.62	2.44	2.08	1.47	93.25%	100.06%
			9408	3.26	3.04	2.84	2.62	2.45	2.10	1.48	93.25%	100.06%
24 1223	24.2316	434 + 49	9384	3.42	3.32	2.97	2.74	2.60	2.25	1.59	97.08%	104.16%
			9400	3.42	3.32	2.97	2.74	2.60	2.21	1.55	97.08%	104.16%
			9440	3.42	3.28	2.93	2.70	2.56	2.21	1.55	95.91%	102.91%
			9408	3.42	3.31	2.96	2.73	2.59	2.22	1.56	96.69%	103.74%
24 1103	24.2089	435 + 69	9392	2.85	2.76	2.51	2.33	2.20	1.92	1.43	96.84%	103.91%
			9424	2.85	2.76	2.51	2.33	2.20	1.92	1.43	96.84%	103.91%
			9440	2.85	2.76	2.51	2.33	2.24	1.92	1.47	96.84%	103.91%
			9419	2.85	2.76	2.51	2.33	2.21	1.92	1.44	96.84%	103.91%
24 0983	24.1862	436 + 89	9376	3.06	2.96	2.64	2.41	2.28	1.96	1.43	96.73%	103.79%
			9392	3.02	2.96	2.64	2.37	2.24	1.92	1.39	98.01%	105.17%
			9408	3.02	2.92	2.59	2.37	2.24	1.92	1.39	96.69%	103.75%
			9392	3.03	2.95	2.62	2.38	2.25	1.93	1.40	97.14%	104.23%

Miles ft	LOG MILES	STATION	LOAD	d0	d-12	d12	d18	d24	d36	d60	Load Transfer	Adj. Load Transfer
			lbs	0"	-12"	12"	18"	24"	36"	60"	(LT)	(LTadj)
24 0863	24.1634	438 + 09	9400	3.18	3.04	2.76	2.58	2.44	2.08	1.47	95.60%	102.58%
			9424	3.18	3.04	2.80	2.58	2.44	2.08	1.47	95.60%	102.58%
			9400	3.18	3.04	2.80	2.58	2.44	2.08	1.51	95.60%	102.58%
AVE			9408	3.18	3.04	2.79	2.58	2.44	2.08	1.48	95.60%	102.58%
24 0743	24.1407	439 + 29	9392	3.50	3.48	3.05	2.78	2.64	2.25	1.59	99.43%	106.69%
			9336	3.46	3.44	3.01	2.74	2.60	2.21	1.51	99.42%	106.68%
			9344	3.54	3.53	3.10	2.82	2.68	2.29	1.63	99.72%	107.00%
AVE			9357	3.50	3.48	3.05	2.78	2.64	2.25	1.58	99.52%	106.79%
24 0622	24.1178	440 + 50	9384	3.42	3.32	2.97	2.66	2.48	2.13	1.47	97.08%	104.16%
			9400	3.42	3.32	2.97	2.66	2.48	2.13	1.47	97.08%	104.16%
			9400	3.46	3.32	2.97	2.70	2.48	2.13	1.47	95.95%	102.96%
AVE			9395	3.43	3.32	2.97	2.67	2.48	2.13	1.47	96.70%	103.76%
24 0502	24.0951	441 + 70	9368	3.38	3.32	2.97	2.70	2.56	2.17	1.51	98.22%	105.40%
			9368	3.38	3.36	2.97	2.70	2.52	2.17	1.51	99.41%	106.67%
			9360	3.38	3.36	2.97	2.70	2.52	2.17	1.47	99.41%	106.67%
AVE			9365	3.38	3.35	2.97	2.70	2.53	2.17	1.50	99.01%	106.24%
24 0383	24.0725	442 + 89	9352	3.10	3.00	2.72	2.50	2.36	2.00	1.43	96.77%	103.84%
			9376	3.10	2.96	2.68	2.46	2.32	1.96	1.39	95.48%	102.45%
			9336	3.14	3.00	2.72	2.50	2.40	2.04	1.43	95.54%	102.52%
AVE			9355	3.11	2.99	2.71	2.49	2.36	2.00	1.42	95.93%	102.93%
24.0263	24.0498	444 + 09	9336	3.22	3.00	2.80	2.58	2.44	2.08	1.43	93.17%	99.97%
			9328	3.22	3.00	2.80	2.58	2.40	2.04	1.43	93.17%	99.97%
			9320	3.22	3.00	2.84	2.62	2.44	2.08	1.43	93.17%	99.97%
AVE			9328	3.22	3.00	2.81	2.59	2.43	2.07	1.43	93.17%	99.97%
24.0143	24.0271	445 + 29	9352	3.10	3.00	2.76	2.54	2.36	2.00	1.47	96.77%	103.84%
			9408	2.97	2.96	2.72	2.46	2.32	1.96	1.39	99.66%	106.94%
			9392	3.02	2.96	2.72	2.46	2.28	1.96	1.35	98.01%	105.17%
AVE			9384	3.03	2.97	2.73	2.49	2.32	1.97	1.40	98.13%	105.29%
24.0023	24.0044	446 + 49	9384	3.26	3.04	2.89	2.66	2.52	2.17	1.55	93.25%	100.06%
			9320	3.14	3.00	2.80	2.58	2.44	2.04	1.47	95.54%	102.52%
			9320	3.18	3.04	2.84	2.66	2.48	2.08	1.47	95.60%	102.58%
AVE			9341	3.19	3.03	2.84	2.63	2.48	2.10	1.50	94.78%	101.70%
23.5183	23.9816	447 + 69	9296	2.93	2.84	2.59	2.41	2.28	1.92	1.39	96.93%	104.00%
			9336	3.02	2.88	2.72	2.50	2.36	2.04	1.47	95.36%	102.33%
			9296	3.02	2.88	2.68	2.50	2.36	2.04	1.43	95.36%	102.33%
AVE			9309	2.99	2.87	2.66	2.47	2.33	2.00	1.43	95.88%	102.87%
23.5064	23.9591	448 + 88	9352	3.14	2.96	2.76	2.58	2.36	2.08	1.47	94.27%	101.15%
			9360	3.18	2.96	2.80	2.58	2.40	2.08	1.47	93.08%	99.88%
			9328	3.10	2.92	2.72	2.54	2.36	2.08	1.43	94.19%	101.07%
AVE			9347	3.14	2.95	2.76	2.57	2.37	2.08	1.46	93.84%	100.69%
23.4943	23.9362	450 + 09	9360	2.97	2.88	2.68	2.50	2.32	2.00	1.43	96.97%	104.05%
			9416	3.02	2.92	2.68	2.50	2.36	2.00	1.47	96.69%	103.75%
			9408	2.97	2.92	2.68	2.50	2.36	2.00	1.47	98.32%	105.49%
AVE			9395	2.99	2.91	2.68	2.50	2.35	2.00	1.46	97.32%	104.43%
23.4823	23.9134	451 + 29	9336	3.22	3.12	2.80	2.58	2.40	2.04	1.47	96.89%	103.97%
			9344	3.22	3.12	2.80	2.58	2.40	2.04	1.47	96.89%	103.97%
			9344	3.26	3.12	2.80	2.58	2.40	2.04	1.43	95.71%	102.69%
AVE			9341	3.23	3.12	2.80	2.58	2.40	2.04	1.46	96.49%	103.54%

Miles ft	LOG MILES	STATION	LOAD	d0	d-12	d12	d18	d24	d36	d60	Load Transfer	Adj. Load Transfer
			lbs	0"	-12"	12"	18"	24"	36"	60"	(LT)	(LTadj)
23 4704	23.8909	452 + 48	9328	3.38	2.88	2.89	2.62	2.48	2.17	1.55	85.21%	91.43%
			9336	3.42	2.88	2.93	2.66	2.52	2.17	1.55	84.21%	90.36%
			9304	3.38	2.88	2.93	2.66	2.52	2.13	1.55	85.21%	91.43%
			9323	3.39	2.88	2.92	2.65	2.51	2.16	1.55	84.87%	91.07%
23 4585	23.8684	453 + 67	9312	3.18	3.00	2.76	2.50	2.36	2.04	1.47	94.34%	101.23%
			9320	3.18	3.00	2.76	2.54	2.36	2.04	1.47	94.34%	101.23%
			9352	3.18	2.96	2.76	2.50	2.36	2.04	1.47	93.08%	99.88%
			9328	3.18	2.99	2.76	2.51	2.36	2.04	1.47	93.92%	100.78%
23 4464	23.8455	454 + 88	9408	2.69	2.51	2.38	2.25	2.12	1.80	1.30	93.31%	100.12%
			9408	2.65	2.51	2.38	2.21	2.08	1.80	1.30	94.72%	101.63%
			9408	2.61	2.51	2.38	2.17	2.04	1.76	1.26	96.17%	103.19%
			9408	2.65	2.51	2.38	2.21	2.08	1.79	1.29	94.72%	101.63%
23 4345	23.8229	456 + 07	9352	3.10	2.71	2.64	2.41	2.28	1.92	1.30	87.42%	93.80%
			9392	3.14	2.71	2.64	2.41	2.24	1.88	1.30	86.31%	92.61%
			9360	3.10	2.71	2.64	2.41	2.28	1.92	1.30	87.42%	93.80%
			9368	3.11	2.71	2.64	2.41	2.27	1.91	1.30	87.04%	93.40%
23 4225	23.8002	457 + 07	9400	2.73	2.67	2.47	2.29	2.20	1.88	1.39	97.80%	104.94%
			9392	2.77	2.67	2.47	2.29	2.16	1.88	1.39	96.39%	103.43%
			9400	2.73	2.67	2.47	2.29	2.16	1.88	1.35	97.80%	104.94%
			9397	2.74	2.67	2.47	2.29	2.17	1.88	1.38	97.33%	104.43%
23 4106	23.7777	458 + 46	9272	2.69	2.55	2.30	2.13	2.00	1.72	1.26	94.80%	101.72%
			9280	2.69	2.55	2.30	2.13	2.00	1.72	1.22	94.80%	101.72%
			9296	2.69	2.59	2.34	2.13	2.00	1.72	1.26	96.28%	103.31%
			9283	2.69	2.56	2.31	2.13	2.00	1.72	1.25	95.29%	102.25%
23 3985	23.7547	459 + 67	9112	3.62	3.44	3.22	2.99	2.84	2.53	1.87	95.03%	101.96%
			9112	3.58	3.44	3.18	2.95	2.84	2.49	1.83	96.09%	103.10%
			9112	3.50	3.44	3.18	2.95	2.80	2.49	1.83	98.29%	105.46%
			9112	3.57	3.44	3.19	2.96	2.83	2.50	1.84	96.45%	103.49%
23 3866	23.7322	460 + 86	9208	2.81	2.59	2.43	2.21	2.00	1.72	1.22	92.17%	98.90%
			9168	2.77	2.59	2.38	2.17	2.00	1.72	1.18	93.50%	100.33%
			9168	2.77	2.59	2.38	2.17	2.00	1.72	1.18	93.50%	100.33%
			9181	2.78	2.59	2.40	2.18	2.00	1.72	1.19	93.05%	99.85%
23 3747	23.7097	462 + 05	9232	3.10	2.71	2.64	2.33	2.24	1.92	1.35	87.42%	93.80%
			9240	3.06	2.80	2.55	2.41	2.20	1.88	1.35	91.50%	98.18%
			9208	3.10	2.80	2.59	2.41	2.24	1.88	1.35	90.32%	96.92%
			9227	3.09	2.77	2.59	2.38	2.23	1.89	1.35	89.74%	96.29%
23 3626	23.6867	463 + 26	9224	2.97	2.84	2.55	2.29	2.24	1.92	1.43	95.62%	102.60%
			9256	3.02	2.88	2.64	2.41	2.24	1.96	1.39	95.36%	102.33%
			9232	2.93	2.80	2.55	2.37	2.20	1.88	1.35	95.56%	102.54%
			9237	2.97	2.84	2.58	2.36	2.23	1.92	1.39	95.52%	102.49%
23 3507	23.6642	464 + 45	9216	2.93	2.63	2.51	2.25	2.04	1.80	1.18	89.76%	96.31%
			9160	2.89	2.63	2.51	2.25	2.04	1.80	1.18	91.00%	97.65%
			9152	2.93	2.63	2.51	2.25	2.04	1.80	1.18	89.76%	96.31%
			9176	2.92	2.63	2.51	2.25	2.04	1.80	1.18	90.17%	96.75%
23 3388	23.6417	465 + 64	9488	3.34	2.92	2.84	2.58	2.40	2.00	1.39	87.43%	93.81%
			9472	3.34	2.88	2.80	2.54	2.44	2.00	1.39	86.23%	92.52%
			9464	3.34	2.88	2.80	2.54	2.40	2.04	1.39	86.23%	92.52%
			9475	3.34	2.89	2.81	2.55	2.41	2.01	1.39	86.63%	92.95%

Miles.ft	LOG MILES	STATION	LOAD	d0	d-12	d12	d18	d24	d36	d60	Load Transfer	Adj. Load Transfer
			lbs	0"	-12"	12"	18"	24"	36"	60"	(LT)	(LTadj)
23.3268	23.6189	466 + 84	9408	3.50	3.12	2.93	2.66	2.44	2.04	1.35	89.14%	95.65%
			9472	3.46	3.12	2.93	2.66	2.40	2.04	1.35	90.17%	96.76%
			9440	3.50	3.12	2.93	2.66	2.44	2.08	1.39	89.14%	95.65%
		AVE	9440	3.49	3.12	2.93	2.66	2.43	2.05	1.36	89.48%	96.02%
23.3148	23.5962	468 + 04	9440	3.42	2.59	2.89	2.54	2.36	2.00	1.39	75.73%	81.26%
			9400	3.42	2.59	2.84	2.54	2.32	1.96	1.35	75.73%	81.26%
			9400	3.42	2.59	2.84	2.58	2.40	1.96	1.39	75.73%	81.26%
		AVE	9413	3.42	2.59	2.86	2.55	2.36	1.97	1.38	75.73%	81.26%
23.3029	23.5737	469 + 23	9448	3.30	2.47	2.72	2.41	2.20	1.84	1.22	74.85%	80.31%
			9408	3.26	2.43	2.68	2.41	2.20	1.80	1.22	74.54%	79.98%
			9416	3.30	2.43	2.72	2.41	2.20	1.84	1.22	73.64%	79.01%
		AVE	9424	3.29	2.44	2.71	2.41	2.20	1.83	1.22	74.34%	79.77%
23.2910	23.5511	470 + 42	9392	3.46	2.88	2.89	2.58	2.40	1.96	1.35	83.24%	89.31%
			9384	3.50	2.92	2.93	2.58	2.40	1.96	1.39	83.43%	89.52%
			9352	3.50	2.92	2.93	2.58	2.40	1.96	1.39	83.43%	89.52%
		AVE	9376	3.49	2.91	2.92	2.58	2.40	1.96	1.38	83.37%	89.45%
23.2789	23.5282	471 + 63	9312	3.86	2.51	3.18	2.86	2.64	2.08	1.43	65.03%	69.77%
			9328	3.86	2.51	3.18	2.82	2.60	2.13	1.43	65.03%	69.77%
			9328	3.90	2.51	3.22	2.86	2.60	2.13	1.43	64.36%	69.06%
		AVE	9323	3.87	2.51	3.19	2.85	2.61	2.11	1.43	64.80%	69.53%
23.2669	23.5055	472 + 83	9376	3.38	2.63	2.89	2.58	2.32	1.92	1.30	77.81%	83.49%
			9400	3.38	2.63	2.89	2.58	2.36	1.92	1.30	77.81%	83.49%
			9424	3.38	2.63	2.89	2.58	2.36	1.92	1.35	77.81%	83.49%
		AVE	9400	3.38	2.63	2.89	2.58	2.35	1.92	1.32	77.81%	83.49%
23.2549	23.4828	474 + 03	9456	3.58	2.55	2.97	2.62	2.44	2.00	1.39	71.23%	76.43%
			9480	3.62	2.59	2.97	2.66	2.44	2.00	1.39	71.55%	76.77%
			9496	3.62	2.55	2.97	2.66	2.44	1.96	1.39	70.44%	75.58%
		AVE	9477	3.61	2.56	2.97	2.65	2.44	1.99	1.39	71.07%	76.26%
23.2429	23.4600	475 + 23	9424	3.10	2.80	2.59	2.29	2.12	1.76	1.18	90.32%	96.92%
			9440	3.10	2.76	2.59	2.29	2.12	1.76	1.14	89.03%	95.53%
			9408	3.10	2.76	2.55	2.25	2.08	1.76	1.14	89.03%	95.53%
		AVE	9424	3.10	2.77	2.58	2.28	2.11	1.76	1.15	89.46%	95.99%
23.2309	23.4373	476 + 43	9424	3.62	2.96	2.97	2.66	2.48	2.08	1.35	81.77%	87.74%
			9424	3.62	2.96	2.97	2.62	2.44	2.04	1.35	81.77%	87.74%
			9416	3.62	2.96	2.97	2.66	2.44	2.04	1.35	81.77%	87.74%
		AVE	9421	3.62	2.96	2.97	2.65	2.45	2.05	1.35	81.77%	87.74%
23.2189	23.4146	477 + 63	9456	3.22	2.76	2.68	2.46	2.20	1.92	1.26	85.71%	91.97%
			9440	3.22	2.71	2.64	2.41	2.20	1.88	1.26	84.16%	90.31%
			9472	3.22	2.76	2.64	2.46	2.20	1.88	1.26	85.71%	91.97%
		AVE	9456	3.22	2.74	2.65	2.44	2.20	1.89	1.26	85.20%	91.42%
23.2070	23.3920	478 + 82	9440	3.74	3.04	3.14	2.78	2.56	2.13	1.39	81.28%	87.22%
			9448	3.74	3.08	3.14	2.82	2.60	2.13	1.43	82.35%	88.36%
			9424	3.78	3.08	3.14	2.78	2.56	2.13	1.39	81.48%	87.43%
		AVE	9437	3.75	3.07	3.14	2.79	2.57	2.13	1.40	81.71%	87.67%
23.1950	23.3693	480 + 02	9432	3.14	3.00	2.76	2.54	2.40	2.04	1.43	95.54%	102.52%
			9488	3.14	3.00	2.76	2.54	2.40	2.04	1.43	95.54%	102.52%
			9416	3.14	3.00	2.76	2.50	2.36	2.00	1.39	95.54%	102.52%
		AVE	9445	3.14	3.00	2.76	2.53	2.39	2.03	1.42	95.54%	102.52%

Miles ft	LOG MILES	STATION	LOAD	d0	d-12	d12	d18	d24	d36	d60	Load Transfer	Adj. Load Transfer
			lbs	0"	-12"	12"	18"	24"	36"	60"	(LT)	(LTadj)
23 1838	23.3481	481 + 14	9424	3.26	3.12	2.80	2.54	2.36	2.04	1.47	95.71%	102.69%
			9424	3.30	3.12	2.80	2.58	2.40	2.04	1.47	94.55%	101.45%
			9424	3.26	3.12	2.76	2.58	2.36	2.04	1.47	95.71%	102.69%
			9424	3.27	3.12	2.79	2.57	2.37	2.04	1.47	95.32%	102.27%
AVE												
23 1725	23.3267	482 + 27	9424	3.70	2.67	3.05	2.74	2.52	2.08	1.43	72.16%	77.43%
			9368	3.66	2.67	3.05	2.74	2.52	2.08	1.43	72.95%	78.28%
			9384	3.70	2.67	3.05	2.74	2.52	2.08	1.43	72.16%	77.43%
			9392	3.69	2.67	3.05	2.74	2.52	2.08	1.43	72.42%	77.71%
AVE												
23.1605	23.3040	483 + 47	9424	3.10	2.63	2.59	2.33	2.20	1.80	1.18	84.84%	91.03%
			9416	3.10	2.67	2.59	2.37	2.20	1.80	1.22	86.13%	92.42%
			9392	3.10	2.63	2.59	2.33	2.20	1.80	1.18	84.84%	91.03%
			9411	3.10	2.64	2.59	2.34	2.20	1.80	1.19	85.27%	91.49%
AVE												
23.1485	23.2813	484 + 67	9336	3.30	2.76	2.80	2.54	2.36	2.00	1.35	83.64%	89.74%
			9368	3.30	2.76	2.80	2.54	2.36	1.96	1.35	83.64%	89.74%
			9416	3.34	2.80	2.84	2.54	2.40	2.04	1.39	83.83%	89.95%
			9373	3.31	2.77	2.81	2.54	2.37	2.00	1.36	83.70%	89.81%
AVE												
23 1365	23.2585	485 + 87	9416	3.46	2.88	2.89	2.66	2.40	2.00	1.39	83.24%	89.31%
			9352	3.46	2.88	2.89	2.62	2.40	2.04	1.39	83.24%	89.31%
			9416	3.46	2.88	2.89	2.62	2.40	2.04	1.39	83.24%	89.31%
			9395	3.46	2.88	2.89	2.63	2.40	2.03	1.39	83.24%	89.31%
AVE												
23 1246	23.2360	487 + 06	9400	3.10	2.84	2.68	2.46	2.28	1.96	1.39	91.61%	98.30%
			9360	3.10	2.84	2.68	2.46	2.28	1.96	1.39	91.61%	98.30%
			9368	3.06	2.88	2.68	2.46	2.28	1.96	1.39	94.12%	100.99%
			9376	3.09	2.85	2.68	2.46	2.28	1.96	1.39	92.44%	99.19%
AVE												
23 1126	23.2133	488 + 26	9352	2.85	2.63	2.51	2.25	2.12	1.80	1.22	92.28%	99.02%
			9336	2.85	2.63	2.47	2.21	2.08	1.76	1.18	92.28%	99.02%
			9384	2.85	2.63	2.47	2.25	2.08	1.76	1.18	92.28%	99.02%
			9357	2.85	2.63	2.48	2.24	2.09	1.77	1.19	92.28%	99.02%
AVE												
23.1005	23.1903	489 + 47	9424	3.30	3.04	2.80	2.58	2.40	2.04	1.43	92.12%	98.85%
			9384	3.30	3.08	2.80	2.62	2.44	2.04	1.43	93.33%	100.15%
			9400	3.26	3.04	2.80	2.58	2.40	2.00	1.39	93.25%	100.06%
			9403	3.29	3.05	2.80	2.59	2.41	2.03	1.42	92.90%	99.68%
AVE												
23 0886	23.1678	490 + 66	9344	3.30	2.96	2.80	2.54	2.32	1.96	1.35	89.70%	96.24%
			9376	3.26	2.96	2.76	2.50	2.32	1.96	1.30	90.80%	97.43%
			9400	3.26	2.96	2.80	2.50	2.32	1.96	1.35	90.80%	97.43%
			9373	3.27	2.96	2.79	2.51	2.32	1.96	1.33	90.43%	97.03%
AVE												
23 0766	23.1451	491 + 86	9352	3.70	3.04	3.05	2.78	2.56	2.17	1.47	82.16%	88.16%
			9384	3.70	3.00	3.05	2.82	2.60	2.17	1.47	81.08%	87.00%
			9352	3.70	3.00	3.05	2.78	2.60	2.13	1.47	81.08%	87.00%
			9363	3.70	3.01	3.05	2.79	2.59	2.16	1.47	81.44%	87.39%
AVE												
23 0646	23.1223	493 + 06	9352	3.54	3.24	3.05	2.74	2.64	2.21	1.55	91.53%	98.21%
			9312	3.46	3.08	2.93	2.66	2.52	2.08	1.47	89.02%	95.52%
			9344	3.46	3.12	2.93	2.66	2.52	2.08	1.47	90.17%	96.76%
			9336	3.49	3.15	2.97	2.69	2.56	2.12	1.50	90.25%	96.84%
AVE												
23 0526	23.0996	494 + 26	9344	3.30	2.76	2.80	2.54	2.36	1.96	1.39	83.64%	89.74%
			9392	3.34	2.76	2.80	2.54	2.36	1.96	1.39	82.63%	88.67%
			9384	3.34	2.80	2.84	2.58	2.40	2.00	1.43	83.83%	89.95%
			9373	3.33	2.77	2.81	2.55	2.37	1.97	1.40	83.37%	89.45%
AVE												

Miles ft	LOG MILES	STATION	LOAD lbs	d0 0"	d-12 -12"	d12 12"	d18 18"	d24 24"	d36 36"	d60 60"	Load Transfer (LT)	Adj. Load Transfer (LTadj)
23.0406	23.0769	495 + 46	9360	3.50	3.04	2.97	2.66	2.48	2.08	1.47	86.86%	93.20%
			9368	3.50	3.00	2.93	2.70	2.52	2.08	1.43	85.71%	91.97%
			9392	3.50	3.04	2.93	2.70	2.48	2.08	1.43	86.86%	93.20%
			9373	3.50	3.03	2.94	2.69	2.49	2.08	1.44	86.48%	92.79%
23.0287	23.0544	496 + 65	9280	3.50	3.16	3.01	2.74	2.52	2.13	1.47	90.29%	96.88%
			9352	3.54	3.16	3.01	2.78	2.56	2.17	1.51	89.27%	95.78%
			9360	3.54	3.16	3.01	2.78	2.52	2.13	1.47	89.27%	95.78%
			9331	3.53	3.16	3.01	2.77	2.53	2.14	1.48	89.60%	96.14%
23.0166	23.0314	497 + 86	9320	3.54	3.20	3.01	2.74	2.52	2.13	1.47	90.40%	96.99%
			9392	3.58	3.24	3.05	2.74	2.56	2.13	1.47	90.50%	97.11%
			9360	3.54	3.16	3.01	2.74	2.52	2.13	1.43	89.27%	95.78%
			9357	3.55	3.20	3.02	2.74	2.53	2.13	1.46	90.06%	96.63%
23.0046	23.0087	499 + 06	9304	3.54	3.24	3.01	2.74	2.52	2.13	1.47	91.53%	98.21%
			9312	3.50	3.24	3.01	2.74	2.56	2.13	1.47	92.57%	99.33%
			9344	3.58	3.24	3.01	2.74	2.56	2.17	1.47	90.50%	97.11%
			9320	3.54	3.24	3.01	2.74	2.55	2.14	1.47	91.53%	98.21%
22.5206	22.9860	500 + 26	9272	3.70	3.40	3.22	2.91	2.68	2.25	1.51	91.89%	98.60%
			9288	3.78	3.40	3.22	2.91	2.68	2.25	1.55	89.95%	96.51%
			9328	3.86	3.48	3.31	2.99	2.76	2.33	1.63	90.16%	96.74%
			9296	3.78	3.43	3.25	2.94	2.71	2.28	1.56	90.65%	97.27%
22.5086	22.9633	501 + 46	9328	3.66	3.36	3.22	2.91	2.72	2.29	1.59	91.80%	98.50%
			9352	3.74	3.36	3.22	2.95	2.72	2.29	1.59	89.84%	96.40%
			9336	3.70	3.36	3.22	2.95	2.72	2.29	1.59	90.81%	97.44%
			9339	3.70	3.36	3.22	2.94	2.72	2.29	1.59	90.81%	97.44%
22.4967	22.9407	502 + 65	9264	3.62	3.28	3.05	2.78	2.60	2.17	1.51	90.61%	97.22%
			9280	3.66	3.32	3.10	2.86	2.60	2.21	1.51	90.71%	97.33%
			9320	3.66	3.32	3.10	2.82	2.64	2.21	1.51	90.71%	97.33%
			9288	3.65	3.31	3.08	2.82	2.61	2.20	1.51	90.68%	97.30%
22.4846	22.9178	503 + 86	9280	3.46	3.12	2.97	2.74	2.52	2.13	1.47	90.17%	96.76%
			9320	3.46	3.12	2.97	2.70	2.52	2.13	1.47	90.17%	96.76%
			9296	3.46	3.12	3.01	2.78	2.56	2.13	1.47	90.17%	96.76%
			9299	3.46	3.12	2.98	2.74	2.53	2.13	1.47	90.17%	96.76%
22.4726	22.8951	505 + 06	9216	4.98	4.54	4.35	4.01	3.76	3.19	2.20	91.16%	97.82%
			9240	4.94	4.46	4.31	3.93	3.68	3.15	2.16	90.28%	96.87%
			9240	4.90	4.46	4.31	3.93	3.68	3.11	2.12	91.02%	97.66%
			9232	4.94	4.49	4.32	3.96	3.71	3.15	2.16	90.82%	97.45%
22.4606	22.8723	506 + 26	9328	3.54	2.47	2.93	2.54	2.36	1.96	1.30	69.77%	74.87%
			9280	3.50	2.43	2.89	2.54	2.36	1.96	1.30	69.43%	74.50%
			9288	3.50	2.43	2.89	2.54	2.36	1.96	1.30	69.43%	74.50%
			9299	3.51	2.44	2.90	2.54	2.36	1.96	1.30	69.54%	74.62%
22.4487	22.8498	507 + 45	9376	3.42	2.47	2.84	2.50	2.32	1.92	1.26	72.22%	77.49%
			9384	3.46	2.47	2.84	2.50	2.32	1.92	1.26	71.39%	76.60%
			9392	3.42	2.47	2.84	2.50	2.32	1.92	1.26	72.22%	77.49%
			9384	3.43	2.47	2.84	2.50	2.32	1.92	1.26	71.94%	77.19%
22.4367	22.8271	508 + 65	9248	2.77	2.27	2.30	2.05	1.92	1.55	1.02	81.95%	87.93%
			9328	2.81	2.27	2.30	2.05	1.84	1.51	1.02	80.78%	86.68%
			9352	2.81	2.27	2.30	2.05	1.84	1.55	1.02	80.78%	86.68%
			9309	2.80	2.27	2.30	2.05	1.87	1.54	1.02	81.17%	87.09%

Miles.ft	LOG MILES	STATION	LOAD	d0	d-12	d12	d18	d24	d36	d60	Load Transfer	Adj. Load Transfer
			lbs	0"	-12"	12"	18"	24"	36"	60"	(LT)	(LTadj)
22.4251	22.8051	509 + 81	9200	3.22	2.51	2.72	2.41	2.24	1.88	1.26	77.95%	83.64%
			9192	3.22	2.51	2.72	2.41	2.24	1.88	1.26	77.95%	83.64%
			9176	3.22	2.51	2.68	2.41	2.24	1.88	1.26	77.95%	83.64%
AVE			9189	3.22	2.51	2.71	2.41	2.24	1.88	1.26	77.95%	83.64%

