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# Reducing rail-truck freight intermodal drayage costs

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# ABSTRACT

# **REDUCING RAIL-TRUCK FREIGHT INTERMODAL DRAYAGE COSTS**

# by David Moy Jr.

In rail-truck intermodal transport, a highway truck-trailer or container is moved by truck from a shipper to a rail terminal in the shipper's vicinity, and by rail in line haul between rail terminals. Upon being unloaded at the destination rail terminal, the container is delivered to a receiver (consignee) by truck. The highway portion of the move, or drayage, accounts for a relatively high percentage of total origin to destination cost, and it limits severely the competitiveness of intermodal service with door-to-door truck service. The approach used in this thesis is to examine in detail the current costs and potential for improvement at one intermodal terminal for a pre-determined analysis period. The analysis is conducted by first determining the actual cost of container movements and comparing it with the costs of an operation in which movements are scheduled using a proposed heuristic model that reduces the movements of empty containers. The model results indicate a 7.79% reduction in the overall cost of drayage. This reduction is achieved by repositioning and reloading containers, after they have been unloaded at consignees.

# **REDUCING RAIL-TRUCK FREIGHT INTERMODAL DRAYAGE COSTS**

by David Moy Jr.

# A Thesis

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Submitted to the Faculty of New Jersey Institute of Technology in Partial Fulfillment of the Requirements for the Degree of Master of Science in Transportation

Committee for the Interdisciplinary Program in Transportation

May 1995

# APPROVAL PAGE

# **REDUCING RAIL-TRUCK FREIGHT INTERMODAL DRAYAGE COSTS**

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This thesis is dedicated to my friends and family who have supported me throughout this work

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# **CHAPTER 1**

# **INTRODUCTION**

As defined by the National Commission on Intermodal Transportation (Final Report, 1994), intermodal service, in general, refers to the "interconnections among modes of transportation" and the "use of multiple modes for a single trip". Rail-truck freight intermodal service, in particular, consists of moving highway truck-trailers loaded on rail flat cars (TOFC) or containers on rail flat cars (COFC) by rail in-line haul between origin and destination rail terminals, and over the highway in local pick up or delivery between the terminal and customers. The local pick-up and delivery is termed drayage, the receivers at the destination are termed consignees, while the customers from which trailers/containers are picked-up and delivered to the terminal are termed shippers. Rail-truck intermodal freight service is considered to be a competitive alternative to the pure over-the-highway long haul movement, because it combines the best of two modes: the low average cost of a rail movement with the efficiency and flexibility of trucks in local pick-up and delivery. This thesis focuses upon the highway portion, or drayage, of intermodal transport.

# **1.1 Problem Statement**

One of the main problems of intermodal is the high cost and unsatisfactory service quality of the drayage portion of the service (Morlok et al, 1994). Currently, drayage consists of delivering a loaded trailer/container from the terminal area to the consignee, waiting while it is being unloaded, and returning to the terminal area with an empty trailer/container. In the case of a shipper, an empty trailer/container must be first delivered by truck from the rail terminal, loaded, and then returned to the terminal for a subsequent outbound movement by rail.

The current operation is characterized by a high portion of non-revenue movements. The rate charged per container movement is set in such a way that it must account for the large portion of non-revenue miles associated with the movement. For example, if a loaded container is delivered from a Kearny, New Jersey rail terminal to Guiderland Center, New York, where it is unloaded, and then returned empty to Kearny, a rate of \$539.00 could be charged for the 310 mile round trip. Although, the container moved loaded only 155 miles, the rate is set to take into account 155 miles of the empty non-revenue producing portion of the movement as well. If the container could be repositioned at a shipper in the vicinity of the consignee that is waiting for an empty container, and reloaded prior to returning to the terminal, the empty miles, and therefore the total cost of drayage, could be substantially reduced. This repositioning is called triangulation in trucking parlance. The cost of a triangulated loaded container delivery, repositioning, and pick-up would be assigned over two loads, resulting in a lower cost per load compared to the previous case.

This thesis focuses on the reduction of the cost of drayage through the formulation of a heuristic which incorporates the method of triangulation, and attempts to accomplish two objectives. The first objective is to design a heuristic that triangulates movements taking into consideration customer specified time windows that minimizes cost. Assuming that

the number of container loads to be moved is fixed, the minimization of operator cost will result in profit maximization. The heuristic logic should yield "near optimal" assignments of container activities, and must incorporate distances, travel times, detention times (the time the trailer or container is detained at a destination for such activities as paperwork, loading, unloading and such)and scheduling times. It is important to carefully determine the values of these parameters since these elements greatly influence operator costs. The second objective is to apply the heuristic to a case study of drayage operations.

# **1.2 Research Objective**

The objective of this thesis is to develop a methodologically sound heuristic for triangulating the movements of trailer/containers in the drayage portion of intermodal trailer/container service. Past studies (Morlok and Spasovic, 1994) show that by combining a more centralized drayage operation and using triangulation, a company could increase the utilization of tractors and trailers and thus the efficiency of the operation. By using triangulation methods, drayage costs could be dramatically reduced by reducing the number of empty tractor-container non-revenue miles. In most past studies, drayage data was aggregate because truckers were reluctant to reveal information on the exact location of customers, time-windows for delivery and pick-ups, and other proprietary data. Actual rates charged for the movements, temporal, spatial, and operational data were not readily available and most often had to be assumed or estimated. This lack of data severely impacted the ability of researchers to take a closer look at the impediments that precluded the formulation of an efficient drayage operation. The design of the heuristic presented here incorporates actual temporal and spatial data, including rates, distances, mileage

calculations, and detention rates and times, and as a consequence presents drayage operations more realistically and accurately.

### 1.3 Scope

This research focus on intermodal drayage operations for containers of a major Mid-Western railroad at a large drayage company based in South Kearny, New Jersey, with the primary objective to reduce intermodal container drayage costs. Data pertinent to calculations of current drayage operations and for the formulation of a heuristic model were collected within a three week period representative of a typical drayage operation. All drayage times and rates associated with container movements were provided by these companies.

#### **1.4 Overview**

This thesis is divided into seven chapters. Chapter 2 reviews the literature and provides a background in the area of intermodal freight transport. Chapter 3 describes the methodological framework used for analyzing improvements in the cost of drayage operations. Chapter 4 describes the heuristic algorithm. Chapter 5 presents the case study. Chapter 6 contains the analysis of results, and Chapter 7 presents conclusions and recommendations for future research.

#### CHAPTER 2

#### INTERMODAL FREIGHT TRANSPORT

A typical intermodal freight movement consists of picking up a loaded truck-trailer or container by truck from a shipper and brought to a rail terminal. There, the trailer/container is loaded on a flat rail car and hauled to the destination rail terminal. Upon arrival to the destination, the trailer/container is delivered locally via truck to the consignee. Intermodal freight transport has grown steadily since the 1960's increasing from 1.7 million container/trailer loadings in 1965 to 7.1 million loadings in 1993 (Intermodal Coordination Study, 1994).

#### 2.1 Background

Intermodalism was commercialized and promoted through the worldwide breakthrough of containerization. One of the primary requirements for successful intermodalism is that the freight being moved is efficiently containerizable (North Jersey Transportation Planning Authority, Inc. et al., 1994) which includes most general cargo such as mail, parcels, clothing, perishables and most things consumers purchase. The container revolution advanced the intermodal industry greatly (Mahoney, 3, 1985) by providing many advantages such as standardization, protection of freight, and unitization of loads which leads to easier handling, easier loading, fewer pieces to be accounted for, fewer items being lost or stolen, and easier intermodal transfer (Mahoney, 1985). However, there are

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also disadvantages with containers which must be considered, such as the cost of the container and the empty backhaul.

In addition to the containerization movement, intermodalism would not have grown so quickly if it was not for two important pieces of legislation, these being the Staggers Rail Act of 1980 and the Motor Carrier Act of 1980. The Staggers Rail Act of 1980 created a regulatory climate which deregulated Federal government control over intermodal freight services giving shippers a wider range of "carriers and intermodal combination of carriers, and of combinations of rate and joint rates, to choose from" (Mahoney, 1985). The purpose of the Motor Carrier Act of 1980 is "to promote intermodal transportation as one of its policies regulating transportation" and relaxed the requirements of entry into the trucking industry. As a result, in the first year of deregulation, the approval rate of applications for entry into the industry increased from 69.8% to 95.4% (Mahoney, 1985).

### 2.2 Advantages and Disadvantages of Intermodal

Intermodal freight movements combine the low, per ton-mile cost of rail movements with the flexibility and unlimited access to industrial and commercial locations of drayage. Rail-truck intermodal movements are also fuel efficient because they reduce the highway vehicle miles traveled (VMT) by long haul motor carriers. This reduction of VMT produced by intermodalism puts the industry in a position to benefit from the recently implemented ISTEA and Clean Air Act Amendments of 1990 as public agencies work to produce environmentally advantageous and economically efficient transportation solutions. In must be noted however, that despite the many advantages of intermodalism, for railtruck freight movement to be economically viable and to compete with long haul motor carriers, the rail portion of the movement must be sufficiently long to take advantage of the rail line-haul efficiency. These distances are typically about 700 to 800 miles or longer as discussed in (Spasovic, 1990), (Morlok and Spasovic, 1994).

### 2.3 Intermodal Operations and Pricing

Drayage operations consist of delivering loads to consignees and picking them up from shippers. Upon a delivery of a loaded trailer/container to a consignee, the trailer/container is unloaded and returned to the terminal empty. Similarly for a pick up from a shipper, an empty trailer/container is delivered from a pool at the rail terminal, loaded, and then returned to the terminal.

Trailers/containers can be moved according to two procedures: stay-with or drop and pick. During the stay-with procedure, a driver and tractor stay with a trailer/container at a consignee (shipper) while the trailer/container is unloaded (loaded). The tractor then returns to the terminal area with an empty (loaded) trailer/container. During the drop and pick procedure, driver and tractor leave a trailer/container and depart for another assignment. A driver with a tractor return to pick up the trailer/container at a later date and return it back to the terminal. A movement of a tractor with an empty trailer/container is termed deadheading, while a movement without a trailer/container is termed bob-tailing.

A stay-with procedure consists of 50% empty (non-revenue) miles. The drop and pick procedure is even more inefficient and might involve up to 75% of non-revenue miles (i.e.,

a tractor would deliver a loaded container to a consignee, bobtail from the consignee back to the terminal, bobtail from the terminal to the consignee to pick up the empty, and deadhead back to the terminal). Drayage rates are set to cover the cost of empty nonrevenue miles.

It should be noted that drayage was envisioned to be equipment and labor intensive and thus, costly (Morlok and Spasovic, 1994). To achieve a higher level of service to customers, and to enable prompt delivery to consignees and prompt pick ups from shippers, trailer/container movements consist of a high percentage of trailer/container non-revenue movements, deadheading or bob-tailing movements

### 2.4 Potential

"Despite its relatively short distance compared to rail movement, drayage accounts for a large fraction of intermodal origin to destination costs and is a major factor in service quality as perceived by the shipper" (Morlok and Spasovic, 1992). The reason for this high cost is the extent of empty mileage.

Currently, drayage prices are set assuming that each loaded trailer/container movement is undertaken independently of one another (Morlok and Spasovic, 1993) when in practice, prices could vary as economies and diseconomies are introduced into the operation. Non-revenue movements account for a large fraction of intermodal costs, and if they could be reduced while providing the same or higher level of service, the overall intermodal cost could be reduced. It has been found in Morlok et al. (1994) that intermodal rail-truck service is only efficient for longer distance hauls where the rail in-line haul economies outweigh the increased terminal and transaction costs associated with the intermodal freight movement. It has been shown in Morlok and Spasovic (1994) and Morlok and Spasovic (1990) that redesign and reengineering of intermodal should begin with the drayage companies and the third parties that arrange for the service, called Intermodal Marketing Companies (IMCs). Combining the reorganization of the drayage operation to a more centralized operation and by implementing leasing of tractor and driver sets could reduce the high cost of drayage. A framework for analyzing the efficiency of drayage is discussed in the next chapter.

#### CHAPTER 3

## METHODOLOGICAL FRAMEWORK

### 3.1 Introduction

A framework was developed and used to evaluate ways of reducing the cost of drayage. The approach used is to examine in detail, for a pre-determined analysis period, the current costs and assess the potential for improvement at one intermodal terminal. The analysis is conducted by first determining the current cost of container movements and then comparing those results to the costs of an operation in which movements are scheduled using the proposed heuristic model.

First, data on container and tractor activities during a certain time period had to be collected. The data included the locations of consignees and shippers, and the number of loaded containers delivered to consignees and picked up from shippers. Information on the activities associated with a loaded movement, such as delivering an empty container to shippers for loading or removing the empties from consignees upon unloading was also collected

The costs or rates for the container movements were also collected. In the current operation, a container is moved loaded only in one direction and returned empty. For example, it is delivered loaded to a consignee and upon unloading returned empty to the terminal. Similarly, a container is delivered empty from the terminal to a shipper, it is loaded there, and returned loaded to the terminal. Thus, in the current operation, shown in Figure 3.1, container movements are treated independently of each other. The current

rates are set to account for an operation with a large portion of non-revenue miles associated with the delivery and pick-up of loads.



Figure 3.1 Current Operations: Uncoordinated Drayage Operations

In the proposed operation, shown in Figure 3.2, the efficiency of operation is increased by reducing the number of non-revenue producing highway miles through triangulation. The loaded container that was delivered to a consignee is unloaded and instead of returning empty to the terminal is repositioned to a shipper location nearby for loading.

The framework, shown in Figure 3.3, calculates the current cost of drayage operation by multiplying the current activities with prices associated with them. The spatial and demand data are then entered into an optimization based heuristic model and cost of an optimized operation are calculated. The potential for improvements and cost reductions is then determined by comparing the current cost to the cost of operations derived using the heuristic model.



Figure 3.2 Proposed Operations: Coordinated Drayage Operations

# 3.2 Previous Modeling Approaches

Several methods have been used previously to optimize drayage operations. Two are described briefly. Spasovic and Morlok (1993) developed a planning model, formulated as a mathematical program, that was conceptualized as follows:

Minimize Total Drayage Costs

subject to:

Delivering all loaded trailers to receivers within specified time windows,

Delivering empty trailers to shippers for loading within specified time windows,



Figure 3.3 Methodological Framework For Improving Intermodal Drayage Operations and Reduction Of Costs (Source: Morlok and Spasovic, 1992) Picking up loaded trailers within specified time windows and delivering them to the terminal,

Repositioning empty trailers to avoid accumulation.

The authors exploited the network structure of the model and solved it as a linear program which yielded integer flows of loaded and empty tractor-trailers and tractor movements.

Venkatesan (1992) developed a model for scheduling drayage operation over an eight day period. The model was formulated as a large scale integer programming problem that required substantial computational time

### **3.3 Reasons for the Heuristic**

Because of its combinatorial nature, a moderately sized problem with several consignee and shipper locations, and an operating period of several days, generates an integer programming problem with a substantial number of variables. If these problems were to be solved to optimality, a realistically sized problem would require an enormous amount of solution time. Thus, conventional methods of integer programming are deemed computationally ineffective and inappropriate for real-time applications. It has been decided that near-optimal solutions, developed by using heuristic algorithms that can be computed in a considerably shorter amount of time, can suffice for the real-time solution of these problems. The heuristic used in this thesis is described in the next chapter.

### 3.4 Heuristic Background

The rise of "inelegant but effective heuristics" (Fisher and Kan, 1988) in the 1950s provided the background for the development of more efficient and effective optimization algorithms of the 1970s. However, as stated by Fisher and Kan (1988), the current optimization community "seems to be returning to its roots with a reflourishing of successful practical applications based on heuristics".

Fisher and Kan (1988), describe the design, analysis and implementation of heuristics from the design of single pass heuristics which generate data after a single pass through the data to the greedy methods in which each successive step is taken in a way that maximizes the immediate gain, which in turn could produce optimal solutions termed matroids or greedoids. The implementation of heuristics has been advanced by the development of software that provides the user with sophisticated mathematical tools.

### **CHAPTER 4**

### **HEURISTIC ALGORITHM MODEL**

# 4.1 Heuristic Logic

A heuristic model has been developed and used to reduce the cost of drayage by reducing empty miles involved in delivery and pick up operations. The heuristic incorporates characteristics of a single pass algorithm and a greedy heuristic algorithm to produce solutions. The model, in a single pass, matches scheduled pick-ups of loaded containers to deliveries of loaded containers, if both movements are to occur within the time and distance constraint. The matches are first made for pick-ups and deliveries that occur in a single area or zone containing consignee and shipper locations. However, if for a zone, either all possible matches of deliveries and pick ups are exhausted, or the number of deliveries in a zone exceeds the number of pick-ups, then adjacent zones are searched for pick-ups. If a match is found in more than one zone, the heuristic will incorporate a greedy method to select a delivery and pick-up match which minimizes the cost of empty container repositioning from a consignee to a shipper. Once the match has been made, the matching pair is removed from further consideration. While this method chooses the least cost match, it is nevertheless a heuristic, and the optimality of a solution is not guaranteed. facing 17



Figure 4.1 Heuristic Algorithm Model

#### 4.2 Algorithm

The heuristic algorithm, shown in Figure 4.1 (facing), begins by searching the working database table in which the information on each pick up and delivery is stored. The jobs to be scheduled are identified and sorted as pick-ups and deliveries. Each movement is characterized by temporal and spatial information, such as a time window in which the movement must occur and the shipper's/consignee's location. The heuristic then matches pick-ups and deliveries that are scheduled within a time window in the same zipcode as defined by the predefined process in the figure. If no matches are found, it searches for matches in the neighboring zipcodes in an order that is determined by the heuristic user. By sorting the database table zipcodes into zones, the model can be manipulated to direct the potential matching of deliveries with pick-ups to minimize the repositioning costs.

# 4.3 Example

Figure 4.2 shows an example consisting of a terminal T and three shipper and consignee zones, A, B, and C.



Figure 4.2 Locations of Consignee and Shipper Zones and Inter-zonal Distances

Loaded container movement to be accomplished are shown in Table 4.1. Four loaded containers are to be delivered to consignees and six to be picked up from shippers. Zone A has three loaded container deliveries and one loaded pick-up. These deliveries are labeled  $D_{1A}$ ,  $D_{2A}$ ,  $D_{3A}$ , while the pick-up is labeled  $P_{1A}$ . Zone B has one delivery and three pick-ups, while Zone C has no deliveries and two pickups. All movements are to occur within the same time window; thus all solutions are feasible.

ZONE A	ZONE B	ZONE C
$D_{1A}$	$D_{1B}$	$P_{1C}$
$D_{2A}$	$P_{1B}$	$P_{2C}$
$D_{3A}$	$P_{2B}$	
$P_{1A}$	$P_{3B}$	
	$\begin{array}{c} \hline D_{1A} \\ D_{2A} \\ D_{3A} \\ P_{1A} \end{array}$	$\begin{array}{c c} \hline ZONE A & ZONE B \\ \hline D_{1A} & D_{1B} \\ D_{2A} & P_{1B} \\ D_{3A} & P_{2B} \\ P_{1A} & P_{3B} \end{array}$

Table 4.1Deliveries and Pick-Up

In a single pass, the heuristic will match shipper and consignee container movements within each zone, and tabulate the results, if any. This would yield the following solution as shown in Table 4.2:

Table 4.2 Solution Matches After the First Pas	Table 4.2	Solution .	Matches	After	the	First	Pass
--	-----------	------------	---------	-------	-----	-------	------

ZONE A	SAVINGS	ZONE B	SAVINGS	ZONE C
$\begin{array}{c} D_{1A} \rightarrow P_{1A} \\ D_{2A} \rightarrow P_{1A} \\ D_{3A} \rightarrow P_{1A} \end{array}$	80 (160 -80) 80 (160 -80) 80 (160 -80)	$\begin{array}{c} D_{1B} \rightarrow P_{1B} \\ D_{1B} \rightarrow P_{2B} \\ D_{1B} \rightarrow P_{3B} \end{array}$	80 (160 -80) 80 (160 -80) 80 (160 -80)	$P_{1C}$ $P_{2C}$
The savings are calculated as a difference in mileage between the current operation, where a container is delivered loaded and returned empty, and the triangulated operation. For example, it would take 160 miles, 80 miles per load per round trip, to deliver and pick up two loads at Zone A. With zero miles for repositioning, for matching at the same destination-origin, the two round trips are replaced with a single round trip with loaded containers in both directions. This saves 80 miles.

For Zone A, the heuristic will match the one pick-up to each of the deliveries since all are feasible. This produces three possible results, those being  $D_{1A} \rightarrow P_{1A}$ ,  $D_{2A} \rightarrow P_{1A}$ , and  $D_{3A} \rightarrow P_{1A}$ . However, the model selects into the final tableau the one match with the minimal repositioning distance, leaving two deliveries unmatched. For equivalent results, as demonstrated by the resulting solutions for Zone A, the model will tabulate the first resulting answer. Similarly, for Zone B, the algorithm will match deliveries to pick-ups in the same fashion,  $D_{1B} \rightarrow P_{1B}$ ,  $D_{1B} \rightarrow P_{2B}$ ,  $D_{1B} \rightarrow P_{3B}$ , and will select the least cost match, or the first in this case, and leave two pick-ups unmatched.

This leaves two deliveries at A and two pick ups at B unmatched. The remaining movements which need to be triangulated are 2 deliveries in Zone A with either the two remaining pick-ups in Zone B or the two pick-ups in Zone C. If  $D_{1A} \rightarrow P_{1A}$  and  $D_{1B} \rightarrow P_{1B}$  were chosen to be tabulated and removed from the set of feasible matches, then the remaining pick-ups and deliveries will produce eight feasible solutions, as depicted in Table 4.3.

ZONE	A	ZONE B	SAVINGS	ZONE C	SAVINGS
$D_{2A}$	$\rightarrow$	$P_{2B}$	40 (160-120)		
$D_{2A}$	$\rightarrow$	P <sub>3B</sub>	40 (160-120)		
$D_{3A}$	$\rightarrow$	$P_{2B}$	40 (160-120)		
$D_{3A}$	$\rightarrow$	$P_{3B}$	40 (160-120)		
$D_{2A}$			$\rightarrow$	$P_{1C}$	70 (200 -130)
$D_{2A}$			$\rightarrow$	$P_{2C}$	70 (200 -130)
$D_{3A}$			$\rightarrow$	$P_{1C}$	70 (200 -130)
$D_{3A}$			$\rightarrow$	$P_{2C}$	70 (200 -130)

 Table 4.3
 Feasible Solutions After the Second Pass

Two solutions, shown in Table 4.4, each contain four matches. The solution in part a) of the Table consists of a pick up and delivery in Zone A, a pick up and delivery in Zone B, and two deliveries from Zone A matched with pick-ups in Zone B. The resulting savings from matching is 240 miles. The solution in part b) of the Table consists of a pick up and delivery in Zone A, a pick up and delivery in Zone B, and two deliveries from Zone A, a pick up and delivery in Zone B, and two deliveries from Zone A, a pick up and delivery in Zone B, and two deliveries from Zone A matched with pick-ups in Zone C. This yields a savings from matching of 240 miles.

	1 ADIC 4.4	Solution Watches	
a) Matches b	between A and B.	b) Matches be	tween A and C.
MATCH	SAVINGS	MATCH	SAVINGS
$D_{1A} \rightarrow P_{1A}$ $D_{1B} \rightarrow P_{1B}$ $D_{2A} \rightarrow P_{1B}$ $D_{2A} \rightarrow P_{2B}$	80 (160 - 80) 80 (160 - 80) 40 (160 - 120) 40 (160 - 120)	$D_{2A} \rightarrow P_{1C}$ $D_{2A} \rightarrow P_{2C}$ $D_{3A} \rightarrow P_{1C}$ $D_{3A} \rightarrow P_{2C}$	70 (200 - 130) 70 (200 - 130) 70 (200 - 130) 70 (200 - 130)
TOTA	L 240	TOTAL	280

Table 4.4Solution Matches

The heuristic would choose the solution in part b) because of the larger savings.

Two operating plans developed to deliver and pick up containers are shown in Table 4.5. The first solution resulted in a cost of operation of 740 miles, while the second solution resulted in a cost of operation of 580 miles. The heuristic will pick the least cost solution contained in part b) of the Table.

### Table 4.5Final Solutions

a) Operating Plan with Matches between A and B.

OPERATION	SAVINGS	TOTAL COST
Match $D_{1A} \rightarrow P_{1A}$	80 (160 - 80)	80
Match $D_{1B} \rightarrow P_{1B}$	80 (160 - 80)	80
Match $D_{2A} \rightarrow P_{2B}$	40 (160 - 120)	120
Match $D_{3A} \rightarrow P_{3B}$	40 (160 - 120)	120
Deliver Empty and Pick-Up Load at C	0 (120 - 120)	120
Deliver Empty and Pick-Up Load at C	0 (120 - 120)	120
TOTAL	240	740

b) Operating Plan with Matches between A and C.

OPERATION	SAVINGS	TOTAL COST
$D_{1A} \rightarrow P_{1A}$ $D_{1A} \rightarrow P_{1A}$	80 (160 - 80) 80 (160 - 80)	80 80
$D_{2A} \rightarrow P_{1C}$	70 (200 -130)	130 130
D <sub>3A</sub> $\mathcal{F}_{2C}$ Deliver Empty and Return Loaded at H	$\begin{array}{c} 70 (200 - 150) \\ 3 \\ 0 (80 - 80) \\ 0 (80 - 80) \end{array}$	80
Deliver Empty and Return Loaded at E	3 0 (80 - 80)	80
TOTAL	300	580

#### **CHAPTER 5**

### CASE STUDY

Data was gathered over a three week period from April 25, 1994 through May 13, 1994, at a New Jersey terminal from which an intermodal drayer makes local pick-ups and deliveries of containers that are brought into or moved out of the area by railroad.

#### 5.1 Data Sources

The drayage company was chosen due to its location, volume of business, and their willingness to disclose "proprietary" information about their operations. The location of their terminal in South Kearny, New Jersey and its proximity to both a major Northeast railroad rail terminal from which they would deliver containers that arrived by rail, and NJIT, made it an ideal candidate for the study.

The drayage company provides service to many railroad carriers and third parties or volume shippers. The service studied in this thesis involves a major Mid-Western railroads' container service. The loaded containers are moved between the West Coast and the Midwest regions to the Northeast consumer markets. Loaded containers usually originate in the greater Seattle area and are moved on by rail to Chicago, and from there moved by a Northeastern railroads' locomotives to one of the New York/New Jersey metropolitan area terminals, namely the Kearny terminals. The containers that arrive by rail to Kearny are delivered to their final destination by the drayage company's trucks. Similarly, loaded containers are picked up by the drayer at the shippers in the Kearny service area and brought to the rail terminal. They are then moved via rail line -haul to the Midwest and/or West Coast rail terminals. At the destination terminal, a drayage carrier, would deliver containers to their final destinations.

#### 5.2 Data Collection

The data on movements of these containers was collected at the terminal over a three week period from April 25, 1994 to May 13, 1994. Complete temporal and spatial data of each trailer/container movement as well as rates charged for the movement was extracted from the following five sources:

- Rail Yard Sheets
- Daily Operating Logs
- Rate Sheets
- Dispatch Sheets
- T-Cards

The Rail Yard Sheets record trailer/container movements that arrived by rail to the Kearny terminal for delivery to consignees and contain such information as trailer/container number and date of arrival (or notification date). The Daily Operating Log contains temporal and spatial data of each container such as shipper/consignee addresses and scheduled dates and times of pick-ups/deliveries. It also contains other containers that arrive to Kearny and are moved by a drayage trucker other than the drayer of this study. The Dispatch Sheets, in addition to temporal and spatial data such as shipper and consignee origins and destinations, contain rate information for each of

movement and equipment and driver detention information at shippers/consignees. The T-Cards record the Dispatch Sheet information and other miscellaneous items such as size of trailer/container, weight, number of pieces within, special instructions, and charges for driver assistance in loading and unloading of a container.

The above data are used to derive:

- Arrival (notification) dates and times, consignee locations and rates for all inbound-byrail loaded containers,
- Scheduled dates and times for all inbound-by-rail and outbound-by-truck loaded and empty containers,
- Scheduled dates and times of all inbound-by-truck and outbound-by-rail loaded and empty containers.

#### 5.3 Database Development

A database is needed to efficiently consolidate and record all pertinent information on each container movement. The database was designed to be user friendly. It was designed to handle a real-time application of data entry and for easy manipulation of the data records to perform calculations of current and optimized drayage operations. The following drayage related data fields were required:

- 1. Identification number and size of loaded or empty trailer/container.
- 2. Weight and number of pieces within the loaded trailer/container.
- 3. Type of Movement, whether pick-up (at shipper) or delivery (to consignee)

- All spatial data related to the move including location of shipper/consignee by street address, city, state, and zipcode, as well as the name of the party to be billed.
- 5. All temporal data related to the move including: notification dates and times, scheduled dates and times for both delivery of trailer/container from the terminal to the consignee and pick-up of loaded trailer/container from shippers to the terminal. Also, any temporal data regarding any detention times at consignee or shipper or terminal and type of operation, either stay-with or drop-and-pick.
- 6. All monetary data related to the move including revenue per trailer, detention charges, and contract carrier rates.
- 7. All distance data related to the move including one way distances between terminal and shipper/consignee and distances between consignee and shipper.

Table 5.1 shows the fields of the data base record developed for this study. Each container record is assigned a unique identification number so that containers that were moved more than once between the terminal and consignees/shippers can be easily identified. Monetary data are recorded in the rate, and the power detention fields. Temporal data are recorded through notification and scheduled times, as well as a "time window" for pick-ups and deliveries, and detention times, if any. Spatial data are recorded through shipper and consignee street addresses, city, state, and zipcode fields as well as the one-way distances. Several miscellaneous items which could be used for future research were also designed into the database such as the size of the trailer/container, its

weight and the number of pieces within it. The complete database used for this analysis is

listed in Appendix A.

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	List of Fields	Description	Format
1.	Id	Identification Number	Numerical
2	Trailer/Container	Trailer/Container Number	Character
3	Status	Type of movement	Character
4	Destination	City. State	Character
5.	Zip	Zipcode	Numerical
6.	Origin/Ramp	Placement at terminal	Character
7.	Carrier	Carrier name	Character
8.	O/W	One-way distance	Numerical
9.	Rate	Rate charged for movement	Numerical
10.	S/C	Shipper or Consignee	Character
11.	Name	Customer Identity	Character
12.	Id	Identification Number	Numerical
13.	C Address	Consignee street address	Character
14.	C Zip	Consignee zipcode	Numerical
15.	Third Party	Third Party	Character
16.	S Address	Shipper street address	Character
17.	S Zip	Shipper zipcode	Numerical
18.	PO#	PTL Identification Number	Character
19.	WHT	Weight in Pounds within	Numerical
20.	Pieces	Number of Pieces within	Numerical
21.	ID	Identification Number	Numerical
22.	Instruction	Driver related instructions	Character
23.	Special Instruction	Special related instructions	Character
24.	Time Window	Window for movement	Numerical
25.	Not Date	Notification Date	Numerical
26.	Not Time	Notification Time	Numerical
27.	Sch Date	Scheduled Date	Numerical
28.	Sch Time	Scheduled Time	Numerical
29.	Driver	Driver's name	Character
30.	Operation	Type of Operation	Character
31.	PWR DET	Power Detention-Cost	Numerical
32.	TRL DET	Trailer Detention-Time	Character

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 Table 5.1
 Database Fields of a Record

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Figure 5.1 Inbound by Rail Loaded Container Arrivals at the terminal for the Analysis Period April 25, 1994 through May 13, 1994.



Figure 5.2 Inbound by Truck Loaded Container Arrivals at the terminal for the Analysis Period April 25, 1994 through May 13, 1994.

#### 5.4 Loaded Container Arrival Patterns at Kearny Terminal

During the analysis period, 144 container loads were available to be of which 28 loaded containers arrived by rail to be delivered to consignees, while 116 loaded containers were to be brought to the terminal from shippers by truck for the outbound movement by rail. The arrivals by rail are shown in Figure 5.1 (facing), while the arrivals by truck to the terminal are shown in Figure 5.2 (facing). There is a high imbalance of traffic flow between the Westbound (inbound by rail-out by truck) and Eastbound (in by truck-out by rail) directions, an occurrence which is not atypical for the Northeast US.

### 5.5 Drayage Systems Performance Analysis of Case Study Data

It was shown in detail in Chapters 1 and 2, that containers in current intermodal transport are not being efficiently utilized. To obtain a high level of service, a substantial empty mileage is associated with a container movement, since a container is very often moved loaded in one direction and empty in the other. Therefore, the level of service needs to be determined to interpret the performance of the current drayage operation. The purpose of this analysis is to determine the service quality of drayage operations as measured by the time elapsed from the moment of arrival of a loaded container at the terminal by rail until it is delivered to the consignee by truck needs to be calculated. Figure 5.3 shows the time between arrival and scheduled delivery for all loaded container arrivals. Figure 5.4 shows the time between arrival and scheduled delivery for loaded container arrivals for each day during the study period.



Figure 5.3 Days from Arrival by Rail to Scheduled Delivery by Truck for All Container Arrivals between April 25, 1994 and May 13, 1994



Figure 5.4 Days from Arrival by Rail to Scheduled Delivery by Truck for Daily Arrivals between April 25, 1994 and May 13, 1994

Time between arrival of loaded containers by rail and scheduled delivery at consignees by truck for each day of the study horizon is also shown in Figures D.1 through D.16 in Appendix D. An inspection of the figures reveals that the majority of containers are delivered within a two day period. For example, Figure D.1 shows that out of 9 containers to be delivered, 2 were delivered on the day of arrival, 2 were delivered the next day, 4 were delivered on the third day after arrival, and the last container was delivered seven days after arrival.

The cumulative frequency distribution of days from arrival to delivery is shown in Figures 5.5 and 5.6. The figures show that 65.89% of all arriving inbound-by-rail containers were delivered within two days, while 89.05% of the trailer/containers were delivered within four days.

A more general measure of level of service is the mean time and standard deviation of time between the arrival of containers by rail and the actual scheduled delivery to consignees. The mean was calculated to be 2.51 days or 2 days, 12 hours, and 25 minutes, while the variance was calculated, using the non biased n-1 method, to be 1.79 days or 1 day, 19 hours, and 5 minutes.

These values are compared to the values obtained several years ago by Spasovic and Morlok, 1990 in a study of another representative intermodal terminal. The mean and standard deviation for high level of service and price (or premium) traffic was determined to be 1.7 and 1.6 days, respectively, using US Mail and UPS Service as a basis. For other traffic, the mean and standard deviation were 2.1 and 1.9 days.



**Figure 5.5** Cumulative Frequency Distribution of Days between Arrival to Scheduled Delivery (in percent)



Days of Placement

Figure 5.6Cumulative Frequency Distribution of Days between Arrival<br/>to Scheduled Delivery (in containers)



Figure 5.7 Heuristic Algorithm Model Aggregation of Zones

#### 5.6 Analysis of Case Study Data

The sample of loaded container movements that are to be used in the heuristic model was obtained from a larger sample of container moves that were serviced from the terminal area during the April 25, 1994 to May 13, 1994 study period. The sample does not contain containers that arrived during the study period but are moved after the study period. The sample is shown in Table 5.2. The spatial aggregation of the sample container movements is shown in Table 5.3. The analysis period focused on capturing all pertinent data of all trailer/container movements and demands from several sources and consolidating this information into one data source, as shown in Appendix A.

#### 5.7 Case Study Data Requirements

The heuristic algorithm, presented in Chapter 4, needs, as an input, the locations of consignees and shippers (given by their zipcodes). The zipcodes are clustered (aggregated) into nine zones, Zone 1 to Zone 9, based on their proximity. Furthermore, Zone 7, which is the most central, was further broken down into sub-zones 10 to 13 which contain repetitive zipcodes in order to manipulate the model to produce minimal repositioning distances. The zones are shown in Figure 5.7 (facing). The distances between zones are shown in Table 5.4. These were obtained using the Automap Software (1994).

		Delivery	Pick-Up
City	Zipcode	from Terminal	for Terminal
OXFORD, MA	01540	0	2
WEST WAREHAM, MA	02576	0	1
FALL RIVER, MA	02722	0	2
CRANSTON, RI	02920	1	0
BRATTLEBORO, VT	05301	7	0
WINSTED, CT	06098	1	0
HARTFORD, CT	06101	0	1
DAYVILLE, CT	06241	2	0
CHESHIRE, CT	06410	1	0
CROMWELL, CT	06416	1	0
DURHAM, CT	06422	0	1
MERIDEN, CT	06450	1	0
NO. HAVEN, CT	06473	0	1
WATERBURY, CT	06719	1	0
DANBURY, CT	06810	0	1
GARFIELD, NJ	07026	4	0
KEARNY, NJ	07032	1	0
CARLSTADT, NJ	07072	1	0
MOONACHIE, NJ	07074	0	2
NEWARK, NJ	07105	7	0
NEWARK, NJ	07114	2	0
HILLSIDE, NJ	07205	1	0
JERSEY CITY, NJ	07305	3	0
ELMWOOD PARK, NJ	07407	0	1
OGDENSBURG, NJ	07439	2	0
PATERSON, NJ	07501	0	1
PATERSON, NJ	07503	1	0
HAWTHORNE, NJ	07506	2	0
SOUTH HACKENSACK, NJ	07606	5	0
SUCCASUNNA, NJ	07876	1	0
BRIDGEPORT, NJ	08014	25	0
BURLINGTON, NJ	08016	15	1
MILLVILLE, NJ	08332	5	5
VINELAND, NJ	08360	0	1
TRENTON, NJ	08638	1	0
DAYTON, NJ	08810	2	0
EAST BRUNSWICK, NJ	08816	1	0

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Table 5.2Loaded Trailer/Container Movement During Analysis Period<br/>April 25, 1994 through May 13, 1994

Table 5.2 (continued)	Table 5.2	(continued)
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Loaded Trailer/Container Movement During Analysis Period April 25, 1994 through May 13, 1994

		Delivery	Pick-Up
City	Zipcode	from Termina	al for Terminal
MIDDLESEX, NJ	08846	1	0
NORTH BRUNSWICK, NJ	08902	1	0
MIDDLETOWN, NY	10940	4	0
LONG ISLAND CITY	11101	0	0
BROOKLYN, NY	11232	1	1
JAMAICA, NY	11433	1	0
ALBERTSON, NY	11507	0	0
FREEPORT, NY	11520	0	2
PLAINVIEW, NY	11803	1	0
CALVERTON, NY	11933	1	0
GUILDERLAND CENTER, NY	12085	7	0
UNIVERSITY PARK, PA	16802	1	0
CAMP HILL, PA	17011	0	2
MECHANICSBURG, PA	17055	2	0
LEOLA, PA	17540	1	0
LITITZ, PA	17543	2	0
POTTSVILLE, PA	17901	0	1
CHESTER, PA	19013	0	1
BENSALEM, PA	19020	0	1
PHILADELPHIA, PA	19137	1	0
PHILADELPHIA, PA	19153	1	0
KING OF PRUSSIA, PA	19406	1	0
JESSUP, MD	20794	<u>1</u>	<u>0</u>
		Totals: 116	28

Zone1	Zipcodes in Zone 05301	<u>Cities in Zone</u> Brattleboro
2	06241, 01540, 06101, 06416, 06098, 06450, 06422, 06719, 06410	Dayville, Oxford, Hartford, Cromwell, Winsted, Meriden, Durham, Waterbury, Cheshire
3	10940, 06810, 07439	Middletown, Danbury, Ogdensburg
4	17901, 16802, 17011, 17055, 17543, 17540	Pottsville, University Park, Camp Hill Mechanicsburg, Lititz, Leola
5	20794	Jessup
6	08360, 08332, 07407, 08014, 19406, 19137, 19153, 19020, 08016, 19013	Vineland, Millville, Elmwood Park, Bridgeport, King of Prussia, Philadelphia, Bensalem, Burlington, Chester
7	11507, 11933, 11101, 11232, 11433, 11520, 11803, 07205, 07105, 07114, 07305, 07074, 07032, 07072, 07026, 07606, 07501, 07503, 07506, 07876, 08902, 08810, 08816, 08846, 08638	Alberson, Calverton, Long Island City, Brooklyn, Jamaica, Freeport, Plainview, Hillside, Newark, Jersey City, Moonachie, Kearny, Carlstadt, Garfield, South Hackensack, Paterson, Hawthorne, Succasunna, North Brunswick, Dayton, East Brunswick, Middlesex, Trenton
8	12085	Guiderland Center
9	02920, 02722, 02756	Cranston, Fall River, West Wareham
10	07205, 07105, 07114, 07305, 07074, 07032, 07072, 07026, 07606, 07501, 07503, 07506, 07876	Hillside, Newark, Jersey City, Kearny, Carlstadt, Garfield, South Hackensack, Paterson, Hawthorne, Succasunna, Moonachie
11	11232, 11433, 11507, 11520, 11803, 11933	Brooklyn, Jamaica, Albertson, Freeport, Plainview, Calverton

Zone	Zipcodes in Zone	Cities in Zone
12	08638, 08810, 08816, 08846,	Trenton, Dayton, East Brunswick,
	08902	Middlesex, North Brunswick
13	07876, 07439, 07501, 07503,	Succasunna, Ogdensburg, Paterson,
	07506	Hawthorne
14	07105, 07114, 07606, 07026,	Newark, South Hackensack,
	07032, 07072, 07074, 07205,	Garfield, Kearny, Carlstadt,
	07305	Moonachie, Hillside, Jersey City

 Table 5.3 (Continued)
 Spatial Aggregation of Data by Zipcode

Table 5.4Inter-zonal Distances (in miles)

	Z1	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Z9
Z1	0	60	215	345	425	330	220	85	170
Z2	60	0	190	260	340	245	195	115	140
Z3	215	190	0	140	285	195	75	130	215
Z4	345	260	140	0	150	130	125	260	320
Z5	425	340	285	150	0	12	240	400	400
<b>Z</b> 6	330	245	195	130	12	0	115	290	305
Z7	220	195	75	125	240	115	0	185	185
<b>Z</b> 8	85	115	130	260	400	290	185	0	180
<b>Z</b> 9	170	140	215	320	400	305	185	180	0

The times of travel between the zones are calculated by dividing inter-zonal distances from Table 5.4, by an average speed of travel which was assumed to be 45 miles per hour. The times are shown in Table 5.5.

	Z1	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Z9
Z1	0	80	286.667	460	566.667	440	293.333	113.333	226.667
Z2	80	0	253.333	346.667	453.333	326.667	260	153.333	186.667
Z3	286.667	253.333	0	186.667	380	260	100	173.333	286.667
Z4	460	346.667	186.667	0	200	173.333	166.667	346.667	426.667
Z5	566.667	453.333	380	200	0	16	320	533.333	533.333
Z6	440	326.667	260	173.333	16	0	153.333	386.667	406.667
Z7	293.333	260	100	166.667	320	153.333	0	246.667	246.667
Z8	113.333	153.333	173.333	346.667	533.333	386.667	246.667	0	240
Z9	226.667	186.667	286.667	426.667	533.333	406.667	246.667	240	0

 Table 5.5
 Travel Times Between Zones (in minutes)

#### 5.8 Spatial and Temporal Aspects of Pairings

The heuristic identifies possible pairings of pick ups and deliveries. Only efficient and feasible pairings are considered. The efficiency is a function of the spatial location of a consignee and a shipper. Efficient pairings are considered to be those where the cost of triangulation is less then the cost of two independent tractor-container movements, as shown in Eq. 5.1.

$$L_{TC} + E_{CS} + L_{ST} < L_{TC} + E_{CT} + E_{TS} + L_{ST}$$
(5.1)

where:

 $L_{TC}$  = the cost of a loaded container movement from the terminal to the consignee,  $E_{CS}$  = the cost of an empty container repositioning from the consignee to the shipper,  $L_{ST}$  = the cost of a loaded container movement from the shipper to the terminal,  $E_{CT}$  = the cost of an empty container movement from the consignee to the terminal,  $E_{TS}$  = the cost of an empty container movement from the terminal to the shipper.

Feasible pairings are a function of scheduled times of pick-ups and deliveries. Feasible pairings are those in which an empty container can be repositioned from a consignee to a

shipper so that a sufficient time is available for loading and a scheduled pick-up. Feasible pairings are defined by Eq. 5.2.

$$T_i + E_i + T_{ij} < L_j + T_j$$
 (5.2)

where:

 $T_i$  = the scheduled time of a delivery at consignee i,

 $E_i$  = the unloading time of a loaded container at consignee i,

 $T_{ij}$  = the travel time from consignee i to shipper j,

 $L_i$  = the loading time of an empty container at shipper j,

 $T_i$  = the scheduled time of a pick-up at shipper j.

These efficiency and feasibility tests are done by a program written in standard query language, a database design language, shown in Appendix B, to initiate the sorting routines. The sorting routines are linked with a macro function incorporated within the database, for sort ordering, as shown in Appendix C.

#### 5.9 Cost Minimization Within Efficient and Feasible Pairings

The heuristic tries to decrease the cost of a match as well. The cost of triangulation is minimized if containers are repositioned within each zone. Thus matching of all possible moves are first done within each zone. If no match is found, the neighboring zones are searched for a match. Due to the unique placement of consignee/shippers, the most centralized zone was further subdivided into four sections, as depicted in Figure 5.8, for further decreased cost matches.

For example, referring back to Figure 5.7, assume that there is a delivery to Zone 9 and no feasible matching pick-ups in that zone that occur within the time window given by Eq. 5.2. However, there are feasible and efficient pick-ups in Zones 1, 2, and 5. To keep repositioning distances, and thus costs, to a minimum, the algorithm will match first the Zone 9 delivery with a Zone 2 pick up, and then if no matches are found will match the other available zones, in this case Zone 1, and then Zone 5.

The heuristic matches and tabulates solutions. Once the match is tabulated, all other solutions derived are returned to be triangulated and the two containers which were matched would be removed from the list of candidates.

Once the trailer/container movements are triangulated, the reduction of costs could be calculated and compared with the baseline case of the independent container round-trip movements. The cost of triangulation is derived by taking half of the rate for the terminal to consignee round trip movement, add the cost of repositioning (at a cost of a dollar per mile), and half of the rate for the shipper to terminal round trip movement.



Figure 5.8 Heuristic Algorithm Model Aggregation of Centralized Zone

#### **CHAPTER 6**

#### **RESULTS AND ANALYSIS**

#### 6.1 Comparison of Costs

The purpose of this chapter is to present the costs of the current (Baseline) operation, and of an operation that minimizes empty tractor and container mileage using the heuristic method proposed in Chapter 3. In both operations, all container movements that occurred during the analysis period, (116 loaded containers to be delivered to consignees, and 28 loads to be picked up at from shippers), have to be completed.

The Baseline operation represents the current drayage operation in which a container is moved loaded in one direction and empty in the other. The drayage rate, of course, is set to account for the 50% empty mileage of each terminal-to-consignee (or terminal-to-shipper) round trip movement. Thus, the Baseline cost of \$53,650, shown in Table 6.1, is obtained by multiplying the 144 container movements by the appropriate rate per round trip. This cost is \$41,952 for the 116 deliveries and \$11,698 for the 28 pick-ups.

The heuristic model matches 18 pick ups (out of the total 28) with 18 deliveries<sup>1</sup>. After delivering a load from the terminal and being unloaded, 18 containers are repositioned to the shippers in the vicinity for loading, and upon loading, returned to the terminal. Table 6.1 shows that the cost of a heuristic generated operating plan is \$49,471,70. This operation results in a cost reduction of 7.79% compared to the Baseline case.

<sup>&</sup>lt;sup>1</sup> Both indexed and non-indexed results are shown in Appendix E and Appendix F respectively.

MODEL	COST (\$)	<b>REDUCTION (%)</b>
BASELINE		
116 Deliveries from Terminal to	41,952	-
28 Pick-Ups from Shippers to Terminal	11,698	_
Total	53,650	-
HEURISTIC		
98 Deliveries from Terminal to Consignees	35,487	
10 Pick-Ups from Shippers to Terminal	4,881	
18 Pairings of Deliveries and Pick-Ups (Triangulated Moves)	9,103.70	
Total	49.471.70	7.792

## Table 6.1Costs of Baseline and Heuristic-derived Operations Plan<br/>(without detention charges)

If the costs of detaining drivers and tractors at consignee and shipper locations are taken into account, the cost of the Baseline operation becomes \$56,490, while the cost of the heuristic generated operating plan is \$37,297. The heuristics results in a cost reduction of 8.69% compared to the Baseline case. These results are shown in Table 6.2.

<sup>2</sup> (Baseline Cost - Heuristic Cost) Baseline Cost

## Table 6.2Costs of Baseline and Heuristic-derived Operations Plan<br/>(with detention charges)

MODEL	COST (\$)	<b>REDUCTION (%)</b>
BASELINE		
116 Deliveries from Terminal to	44,262	-
Consignees		
28 Pick-Ups from Shippers to Terminal	12,228	
Total	56,490	
HEURISTIC		
98 Deliveries from Terminal to	37,297	
Consignees		
10 Pick-Ups from Shippers to Terminal	5,181	
18 Pairings of Deliveries and Pick-Ups (Triangulated Moves)	9,103.70	
Total	51,581.7	<b>8.69</b> <sup>3</sup>

### 6.2 Sensitivity Analysis

Sensitivity analyses are performed on the results to determine the change in the cost of operation resulting from changes in input parameters, which include container loading/unloading or detention times, and scheduled delivery and pick-up times.

<sup>3</sup> (Baseline Cost - Heuristic Cost) Baseline Cost

#### **6.2.1 Variation in Detention Times**

For the Case Study, the heuristic assumes that a container is detained for one hour at each shipper or consignee location. As it was mentioned in Chapter 5, this time is added to the travel times for repositioning between consignee and shipper locations (or zones) to determine the feasible pairings. Recall that a delivery is matched with a pick up only if they both occur in the same day, and there is a sufficient time to reposition an empty container from a consignee to a shipper to meet the scheduled pick up time.

If the detention time is increased from one to two hours, the cost of operation as determined by the heuristic is \$50,357.05. As shown in Table 6.3, this represents a cost reduction of 6.14% compared to the Baseline case. Also, when the detention times are increased from one hour to two hours, the total number of triangulated movements is reduced from 18 to 15. As a result of this increase in detention times, the cost of the heuristic-derived operating plan increased by 1.76%, (from \$49,471.7 to \$50,357.05), as shown in Table 6.3. This means that, by increasing the detention time by one hour, the potential savings decrease from \$4,178.3 to \$3,292,95.

Table 6.4 shows a similar sensitivity analysis when detention charges are taken into account.

MODEL	COST (\$)	<b>REDUCTION (%)</b>
BASELINE	53,650	
<b>HEURISTIC - 1 hr detention</b>		
98 Deliveries to Consignees	35,487	
10 Pick-Ups from Shippers	4,881	
18 Triangulated Moves	9,103, 70	
Total	49,471.70	7.794
HEURISTIC - 2 hr detention		
101 Deliveries to Consignees	36,577	
13 Pick-Ups from Shippers	6,294	
15 Triangulated Moves	7,486.05	
Total	50,357.05	1.765
		<b>6.14</b> <sup>6</sup>

.

#### Table 6.3 Results of Sensitivity Analysis on Detention Times (without detention charges)

<sup>4</sup> (Baseline Cost - Heuristic 1 Cost)

Baseline Cost

<sup>5</sup> (Heuristic 1 Cost - Heuristic 2 Cost)

Heuristic 1 Cost <sup>6</sup> (Baseline Cost - Heuristic 2 Cost) Baseline Cost

MODEL	COST (\$)	<b>REDUCTION (%)</b>
BASELINE	53,650	
<b>HEURISTIC - 1 hr detention</b>		
98 Deliveries to Consignees	37,297	
10 Pick-Ups from Shippers	5,181	
18 Triangulated Moves	9,103. 70	
Total	51,581.70	7.79 <sup>7</sup>
<b>HEURISTIC - 2 hr detention</b>		
101 Deliveries to Consignees	38,687	
13 Pick-Ups from Shippers	6,724	
15 Triangulated Moves	7,486.05	
Total	52,897.05	2.49 <sup>8</sup>
		6.36 <sup>9</sup>

#### Results of Sensitivity Analysis on Detention Times Table 6.4 (with detention charges)

<sup>7</sup> (Baseline Cost - Heuristic 1 Cost) Baseline Cost

<sup>8</sup> (Heuristic 1 Cost - Heuristic 2 Cost) Heuristic 1 Cost

<sup>9</sup> (Baseline Cost - Heuristic 2 Cost) Baseline Cost

#### 6.2.2 Variation in Delivery and Pick Up Times

In the Case Study, it is also assumed that the times and time windows for deliveries and pick-ups are fixed. This reflects the current practice that a party other than the drayage truckers determines when loads must be delivered or picked up. It is important to investigate how the overall cost of the operation would change if these time constraints are relaxed. Three cases are investigated. Case 1 assumes that delivery times are relaxed, (i.e., deliveries can occur at any time during the day). Case 2 assumes that pick-ups can occur at any time during the day.

Table 6.5 shows the results of these three cases with detention times of one hour. The cost of operation is \$46,680.10, \$46,616.40 and \$46,613.45, respectively for Cases 1, 2, and 3. By relaxing either delivery or pick-up times or both, all 28 loads can be picked up with containers used for deliveries. The costs reduction over the heuristic operation is 5.65%, 5.77% and 5.78% for Cases 1, 2, and 3 respectively. If the comparison is made with the Baseline, relaxing delivery, pick-up times, or both produces cost reductions of 12.99%, 13.11% and 13.12% respectively for Cases 1, 2 and 3.

Finally, the results for the three cases with one and two hour detention times and detention charges are shown in Table 6.6. It is concluded by this Table, that, with or without detention charges, costs could be reduced further by relaxing the constraints, in this case, delivery, pick-up or delivery and pick-up times.

MODEL	COST (\$)	<b>REDUCTION (%)</b>
HEURISTIC - 1 hr detention	49,471.7	
98 Deliveries to Consignees	35,487	
10 Pick-Ups from Shippers	4,881	
18 Triangulated Moves	9,103.7	
CASE 1 HEURISTIC - 1hr detention -	46,680.1	<b>5.64</b> <sup>10</sup>
Delivery times relaxed		
116 Deliveries to Consignees	30,146	
0 Pick-Ups from Shippers	0	
28 Triangulated Moves	16,534.10	
CASE 2 HEURISTIC - 1hr detention -	46,616.4	5.7711
Pick-Up times relaxed		
116 Deliveries to Consignees	30,221	
0 Pick-Ups from Shippers	0	
28 Triangulated Moves	16,395.4	
CASE 3 HEURISTIC - 1hr detention -	46,613.45	<b>5.78%</b> <sup>12</sup>
Delivery and Pick-Up times relaxed		
116 Deliveries to Consignees	30,207	
0 Pick-Ups from Shippers	0	
28 Triangulated Moves	16,406.45	

# Table 6.5Results of Sensitivity on Scheduled Times<br/>(without detention charges)

Heuristic Cost

- Heuristic Cost
- <sup>12</sup> <u>(Heuristic Cost Heuristic Case 3 Cost)</u> Heuristic Cost

<sup>&</sup>lt;sup>10</sup> (Heuristic Cost - Heuristic Case 1 Cost)

<sup>&</sup>lt;sup>11</sup> (Heuristic Cost - Heuristic Case 2 Cost)

Table 6.5 (continued)	Results of Sensitivity on Scheduled Times
	(without detention charges)

MODEL	COST (\$)	<b>REDUCTION (%)</b>
HEURISTIC - 2 hr detention	50,357.05	
101 Deliveries to Consignees	36,577	
13 Pick-Ups from Shippers	6,294	
15 Triangulated Moves	7,486.05	
CASE 1 HEURISTIC - 2 hr detention -	46,680.1	7 <b>.3</b> <sup>13</sup>
Delivery times relaxed		
116 Deliveries to Consignees	30,146	
0 Pick-Ups from Shippers	0	
28 Triangulated Moves	16,534.10	
CASE 2 HEURISTIC - 2 hr detention -		<b>7.43</b> <sup>14</sup>
Pick-Up times relaxed		
116 Deliveries to Consignees	30,221	
0 Pick-Ups from Shippers	0	
28 Triangulated Moves	16,395.40	
CASE 3 HEURISTIC - 2 hr detention -	46,613.45	7.4315
Delivery and Pick-Up times relaxed		
116 Deliveries to Consignees	30,207	
0 Pick-Ups from Shippers	0	
28 Triangulated Moves	16,406.45	

 <sup>&</sup>lt;sup>13</sup> (Heuristic Cost - Heuristic Case 1 Cost) Heuristic Cost
 <sup>14</sup> (Heuristic Cost - Heuristic Case 2 Cost) Heuristic Cost
 <sup>15</sup> (Heuristic Cost - Heuristic Case 3 Cost) Heuristic Cost

MODEL	COST (\$)	<b>REDUCTION (%)</b>
<b>HEURISTIC - 1 hr detention</b>	52,081.7	
98 Deliveries to Consignees	37,797	
10 Pick-Ups from Shippers	5,181	
18 Triangulated Moves	9,103.7	
CASE 1 HEURISTIC - 1hr detention -	48,770.1	<b>6.36</b> <sup>16</sup>
Delivery times relaxed		
116 Deliveries to Consignees	32,236	
0 Pick-Ups from Shippers	0	
28 Triangulated Moves	16,534.10	
CASE 2 HEURISTIC - 1hr detention -	48,726.4	<b>6.44</b> <sup>17</sup>
Pick-Up times relaxed		+
116 Deliveries to Consignees	32,331	
0 Pick-Ups from Shippers	0	
28 Triangulated Moves	16,395.4	
CASE 3 HEURISTIC - 1hr detention -	48,703.45	<b>6.49</b> <sup>18</sup>
Delivery and Pick-Up times relaxed		
116 Deliveries to Consignees	32,297	
0 Pick-Ups from Shippers	0	
28 Triangulated Moves	16,406.45	

# Table 6.6Results of Sensitivity on Scheduled Times<br/>(with detention charges)

<sup>16</sup> (Heuristic Cost - Heuristic Case 1 Cost)

Heuristic Cost

<sup>17</sup> (Heuristic Cost - Heuristic Case 2 Cost)

Heuristic Cost

<sup>18</sup> (Heuristic Cost - Heuristic Case 3 Cost) Heuristic Cost 

 Table 6.6 (continued)

## Results of Sensitivity on Scheduled Times (with detention charges)

MODEL	COST (\$)	<b>REDUCTION (%)</b>
HEURISTIC - 2 hr detention	52,897.05	
101 Deliveries to Consignees	38,687	
13 Pick-Ups from Shippers	6,724	
15 Triangulated Moves	7,486.05	
CASE 1 HEURISTIC - 2 hr detention -	48,770.1	7 <b>.8</b> <sup>19</sup>
Delivery times relaxed		
116 Deliveries to Consignees	32,236	
0 Pick-Ups from Shippers	0	
28 Triangulated Moves	16,534.10	
CASE 2 HEURISTIC - 2 hr detention -	48,726.4	<b>7.88</b> <sup>20</sup>
Pick-Up times relaxed		
116 Deliveries to Consignees	32,331	
0 Pick-Ups from Shippers	0	
28 Triangulated Moves	16,395.40	
CASE 3 HEURISTIC - 2 hr detention -	48,703.45	<b>7.93</b> <sup>21</sup>
Delivery and Pick-Up times relaxed		
116 Deliveries to Consignees	32,297	
0 Pick-Ups from Shippers	0	
28 Triangulated Moves	16,406.45	

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<sup>19</sup> <u>(Heuristic Cost - Heuristic Case 1 Cost)</u> Heuristic Cost

<sup>20</sup> <u>(Heuristic Cost - Heuristic Case 2 Cost)</u> Heuristic Cost

<sup>&</sup>lt;sup>21</sup> <u>(Heuristic Cost - Heuristic Case 3 Cost)</u> Heuristic Cost

#### **CHAPTER 7**

#### **CONCLUSIONS AND FURTHER RESEARCH**

A heuristic model was developed that could improve the efficiency of drayage by matching deliveries of loads to consignees with load pick-ups from shippers in the vicinity, thus reducing the empty miles involved in the operation.

The price of a drayage operating plan derived by the heuristic is between 7.78% to 8.69% lower than the price of the current operation. This reduction has been achieved by matching approximately 64% of the possible load pick-ups with deliveries.

A high load imbalance of 116 loads arriving by rail from the west to the New Jersey intermodal rail terminal and only 28 loads departing westward, obviously limits the magnitude of the possible reductions in costs. However, despite such high load imbalance (for 4.14 loaded containers arriving by rail, there is only one leaving by rail), the majority (18) of the available 28 loads are triangulated. Further analysis indicates that the rigid schedule times have prevented the remaining 10 loads from being triangulated. Had these scheduled times been relaxed, all 28 loads could have been triangulated and the cost of the heuristic-generated operation would have been approximately 13% to 14% lower than the cost of the current drayage operation.

The author feels that by using the heuristic model, a drayage operator could reduce the payments to drivers for drayage while providing the same level of service. By decreasing the load imbalance, a greater reduction of costs and higher driver-tractor set utilization could be achieved, and thus lower drayage rates could be offered to customers. To reduce rates, it would be economically advantageous for a railroad to assign more container movements to a single drayage operator.

Suggestions for further research include potential studies to determine an "optimal mix" of independent owner-operators, that are paid on a per move basis, and "company tractors and drivers". The later assumes that trucks would be leased, and drivers would be salaried. This has a potential of further reducing the cost of drayage operations because it would eliminate inefficiencies inherent in the payments to owner-operators.

Changes in terminal operating policies and procedures need also to be studied further. A recent study of intermodal transport commissioned by the New Jersey Transportation Planning Authority (NJTPA), the Northern New Jersey Metropolitan Planning Organization, and performed by the New Jersey Alliance for Action (NJTPA, 1994) revealed substantial delays associated with picking up trailers/containers at and delivering them to intermodal rail and port terminals in Northern New Jersey. The implementation of advanced vehicle identification technologies that would both ease access to the terminal and reduce or eliminate paperwork would substantially increase driver and trailer/container productivity.

The potential of establishing various partnerships between railroads, drayage truckers and intermodal retailers should be carefully evaluated. Providing incentives to drayage truckers including the flexibility to schedule pick-ups and deliveries, and thus plan their labor and equipment requirements accordingly, could result in lowering the cost of drayage and generating higher profits for all parties involved in the process. However, the increase in the efficiency of operation might require that proprietary information on loads is shared among the parties and this could result in all sorts of problems. Research should be done to determine the results of partnerships of railroads and long haul truckers, such as Santa Fe, and J. B. Hunt, to learn what makes these partnerships efficient and successful, and then try to transfer this knowledge to a partnership that involves a railroad, an intermodal retailer and a trucker.
## **APPENDIX A**

## DATABASE

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ID	TRAILER/CONTAINER	STATUS	SIZE	DESTINATION	ZIP	ORGIN/RAMP	CARRIER	OW	RATE
021	BNAU281217	DELIVERY	45	GUILDERLAND CENTER, NY	12085	NYH APT	<b>BN AMERICA</b>	155	539
023	BNAU680056	DELIVERY	45	GUILDERLAND CENTER, NY	12085	NYH APT	<b>BN AMERICA</b>	155	539
026	BNAU281613	DELIVERY	45	SOUTH HACKENSACK, NJ	07606	NYH APT	<b>BN AMERICA</b>	11	166
027	BNAU286426	DELIVERY	45	LITITZ, PA	17543	NYH APT	<b>BN AMERICA</b>	142	513
028	BNAU281907	DELIVERY	45	DAYTON, NJ	08810	NYH APT	<b>BN AMERICA</b>	38	200
030	BNAU287222	DELIVERY	45	PATERSON, NJ	07503	NYH APT	<b>BN AMERICA</b>	16	166
034	MDWU280072	DELIVERY	45	BURLINGTON, NJ	08016	NYH APT	<b>BN AMERICA</b>	68	343
035	MDWU280145	DELIVERY	45	BURLINGTON, NJ	08016	NYH APT	BN AMERICA	68	343
036	BNAU280293	DELIVERY	45	OGDENSBURG, NJ	07439	NYH APT	<b>BN AMERICA</b>	44	209
037	MDWU280237	DELIVERY	45	BURLINGTON, NJ	08016	NYH APT	<b>BN AMERICA</b>	68	343
038	MDWU280340	DELIVERY	45	BRIDGEPORT, NJ	08014	NYH APT	BN AMERICA	105	404
039	BNAU680265	DELIVERY	45	MIDDLETOWN, NY	10940	NYH APT	<b>BN AMERICA</b>	65	390
040	BNAU287418	DELIVERY	45	JERSEY CITY, NJ	07305	NYH APT	<b>BN AMERICA</b>	5	152
041	BNAU283039	DELIVERY	45	JERSEY CITY, NJ	07305	NYH APT	<b>BN AMERICA</b>	5	152
044	BNAU288604	DELIVERY	45	NEWARK, NJ	07105	NYH APT	<b>BN AMERICA</b>	4	152
045	MDWU280200	DELIVERY	45	MIDDLESEX, NJ	08846	NYH APT	<b>BN AMERICA</b>	28	185
046	BNAU287222	PICK-UP	45	WEST WAREHAM, MA	02576	NYH APT	<b>BN AMERICA</b>	239	684
048	BNAU282444	DELIVERY	45	OGDENSBURG, NJ	07439	NYH APT	BN AMERICA	44	209
049	BNAU288191	DELIVERY	45	BRIDGEPORT, NJ	08014	NYH APT	<b>BN AMERICA</b>	105	404
050	BNAU281002	DELIVERY	45	BRATTLEBORO, VT	05301	NYH APT	<b>BN AMERICA</b>	212	643
051	BNAU280610	DELIVERY	45	BRATTLEBORO, VT	05301	NYH APT	<b>BN AMERICA</b>	212	643
052	BNAU280832	DELIVERY	45	BRATTLEBORO, VT	05301	NYH APT	<b>BN AMERICA</b>	212	643
053	BNAU288148	DELIVERY	45	BRATTLEBORO, VT	05301	NYH APT	BN AMERICA	212	643
054	BNAU284275	DELIVERY	45	GARFIELD, NJ	07026	NYH APT	<b>BN AMERICA</b>	14	166
055	BNAU288859	DELIVERY	45	BRATTLEBORO, VT	05301	NYH APT	<b>BN AMERICA</b>	212	643
056	BNAU281139	DELIVERY	45	BRATTLEBORO, VT	05301	NYH APT	<b>BN AMERICA</b>	212	643
058	BNAU289116	DELIVERY	45	BURLINGTON, NJ	08016	NYH APT	<b>BN AMERICA</b>	68	343
059	BNAU286980	DELIVERY	45	NORTH BRUNSWICK, NJ	08902	NYH APT	<b>BN AMERICA</b>	33	200
060	BNAU284592	DELIVERY	45	BRIDGEPORT, NJ	08014	NYH APT	<b>BN AMERICA</b>	105	404
061	MDWU280387	DELIVERY	45	BURLINGTON, NJ	08016	NYH APT	<b>BN AMERICA</b>	68	343
062	BNAU284810	DELIVERY	45	SOUTH HACKENSACK, NJ	07606	NYH APT	BN AMERICA	11	166
063	BNAU289897	DELIVERY	45	SOUTH HACKENSACK, NJ	07606	NYH APT	BN AMERICA	11	166
064	BNAU285000	DELIVERY	45	GUILDERLAND CENTER, NY	12085	NYH APT	<b>BN AMERICA</b>	155	539
065	BNAU282710	DELIVERY	45	MIDDLETOWN, NY	10940	NYH APT	BN AMERICA	65	390
070	MDWU280022	DELIVERY	45	BRIDGEPORT, NJ	08014	NYH APT	<b>BN AMERICA</b>	105	404
071	BNAU286123	DELIVERY	45	BRIDGEPORT, NJ	08014	NYH APT	<b>BN AMERICA</b>	105	404

ID	NAME	CADDRESS	CZIP	THIRD PARTY
021	SCOTT PAPER % DIST. UNLIMITED	NORTHEAST INDUSTRIAL PARK, GUILDERLAND CENTER, NY	12085	GST CORP
023	SCOTT PAPER % DIST. UNLIMITED	NORTHEAST INDUSTRIAL PARK, GUILDERLAND CENTER, NY	12085	GST CORP
026	SCHERER & SCHERER C/O AM SEAL	80 LEUNING STREET, SOUTH HACKENSACK, NJ	07606	ALLIANCE SHIPPERS
027	PYRO INDUSTRIES	14-14 A CITATION LN., LITITZ, PA	17543	MCS
028	AMWAY CORP.	MONMOUTH JUNCTION RD., DAYTON, NJ	08810	HUB CITY NORTH CENTRAL
030	BETTER METHODS	1200 MADISON AVE., PATERSON, NJ	07503	TOLAN O' NEAL
034	GSA	1900 RIVER ROAD, BURLINGTON, NJ	08016	BOISE CASCADE INT FALLS MN
035	GSA	1900 RIVER ROAD, BURLINGTON, NJ	08016	BOISE CASCADE INT FALLS MN
036	GARFIELD WILLIAMSON INC.	150 MAIN ST., OGENSBURG, NJ	07439	APDS
037	GSA	1900 RIVER ROAD, BURLINGTON, NJ	08016	BOISE CASCADE INT FALLS MN
038	BOISE CASCADE PAPER	306 CTR SQUARE RD PURELAND 1, BRIDGEPORT, NJ	08014	BOISE CASCADE INT FALLS MN
039	NEW VERNON MARINE INC	RD 4 BOX 14 DOLSON TOWN RD, MIDDLETOWN, NY	10940	SUN COUNTRY TRANSPORTATION
040	S & W FINE FOODS	2 COLONY RD., JERSEY CITY, NJ	07305	ALLIANCE SHIPPERS
041	POLAROME MFG	200 THEADORE, JERSEY CITY, NJ	07305	GST CORP
044	GREGORY PACKING	247 ROME ST., NEWARK, NJ	07105	APDS
045	LPS INDUSTRIES	275 LINCOLN BLVD, MIDDLESEX, NJ	08846	BOISE CASCADE INT FALLS MN
046	A WALECKA & SONS			
048	GARFIELD WILLIAMSON INC.	150 MAIN ST., OGDENSBURG, NJ	07439	LASER NETWORKING
049	BOISE CASCADE PAPER	306 CTE SQUARE RD PURELAND 1, BRIDGEPORT, NJ	08014	BOISE CASCADE INT FALLS MN
050	GEORGIA PACIFIC	RR6, RIVERSIDE LANE, BRATTLEBORO, VT.	05301	CONSOLIDATED SVCS
051	GEORGIA PACIFIC	RR6, RIVERSIDE LANE, BRATTLEBORO, VT	05301	CONSOLIDATED SVCS
052	GEORGIA PACIFIC	RR6, RIVERSIDE LANE, BRATTLEBORO, VT	05301	CONSOLIDATED SVCS
053	GEORGIA PACIFIC	RR6, RIVERSIDE LANE, BRATTLEBORO, VT	05301	CONSOLIDATED SVCS
054	KALAMA CHEMICAL CO	290 RIVER DRIVE, GRFIELD, NJ	07026	GST CORP
055	GEORGIA PACIFIC	RR6, RIVERSIDE LANE, BRATTLEBORO, VT	05301	CONSOLIDATED SVCS
056	GEORGIA PACIFIC	RR6, RIVERSIDE LANE, BRATTLEBORO, VT	05301	CONSOLIDATED SVCS
058	GSA	1900 RIVER ROAD, BURLINGTON, NJ	08016	BOISE CASCADE INT FALLS MN
059	PERMACEL	US 1, NORTH BRUNSWICK, NJ	08902	ALLIANCE SHIPPERS
060	BOISE CASCADE PAPER	306 CTR SQUARE RD PURELAND 1, BRIDGEPORT, NJ	08014	BOISE CASCADE INT FALLS MN
061	GSA	1900 RIVER ROAD, BURLINGTON, NJ	08016	BOISE CASCADE INT FALLS MN
062	SCHERER & SCHERER C/O AM SEAL	80 LEUNING STREET, SOUTH HACKENSACK, NJ	07606	ALLIANCE SHIPPERS
063	SCHERER & SCHERER C/O AM SEAL	80 LEUNING STREET, SOUTH HACKENSACK, NJ	07606	ALLIANCE SHIPPERS
064	SCOTT PAPER % DIST. UNLIMITED	NORTHEAST INDUSTRIAL PARK, GUILDERLAND CENTER, NY	12085	GST CORP
065	EAMORRIS	11-25 HARDING ST., MIDDLETOWN, NY	10940	MARK VII TRANSPORTATION
070	BOISE CASCADE PAPER	306 CTR SQUARE RD PURELAND 1, BRIDGEPORT, NJ	08014	BOISE CASCADE INT FALLS MN
071	BOISE CASCADE PAPER	306 CTR SQUARE RD PURELAND 1, BRIDGEPORT, NJ	08014	BOISE CASCADE INT FALLS MN

ID	SADDRESS	SZIP	PO#	WHIT	PIECES	SPECIAL INSTRUCTIONS	TIME WINDOW
021				14000	48.00		7:45 AM
023			9528144	14304	48.00	SEE CMD 6 SPECIAL INFO	9:00 AM
026				43000	114.00		12.05 PM
027				33083	283.00		7:30 AM
028			R319870	11495	1992.00		1:05 PM
030							8:00 AM
034			01006910	43758	22.00	MUST USE LT CHASSIS AT DEST	8:30 AM
035			101006922	43785	21.00	MUST USE LT CHASSIS AT DEST	10:00 AM
036				44750	895.00	ORGIN INCLS 1 ADD'L PICK-UP	7:00 AM
037			01006922	43785	21.00	MUST USE LT CHASSIS AT DEST	9:30 AM
038			46NE4380324	45870	22.00	MUST USE LT CHASSIS AT DEST	8:00 AM
039				44000	1.00		7:00 AM
040			514980	45000	3675.00		3:30 PM
041				41976	88.00	AGENT REQ RETAINER AS ORGIN DRAY	8:00 AM
044			NONE	44000	72.00	** ORIG AND DEST ARE DRIVER MUST STAY-WITH**	7:00 AM
045						2 STOP DELIVERY ** MUST USE LT CHASSIS AT DESTINATION	1205 PM
046				1			3:30 PM
048			NONE			*****GRASS SEED****	7:00 AM
049			46NE6980405	45870	22.00	MUST USE LT CHASSIS AT DEST	8:00 AM
050				42673		DRIVER STANDBY ORGIN AND DESTINATION	9:00 AM
051				42658		DRIVER STANDBY AT ORGIN AND DESTINATION	8:00 AM
052				43744		DRIVER STANDBY AT ORGIN AND DESTINATION	5:00 PM
053				43622		DRIVER STANDY AT ORGIN AND DESTINATION	6:00 PM
054	•			41206	80.00		3:05 PM
055				43791		DRIVER STANDBY AT ORGIN AND DESTINATION	4:00 PM
056				22596		DRIVER STANDBY AT ORGIN AND DESTINATION	3:00 PM
058			01006976	43758	22.00	MUST USE LT. CHASSIS AT DEST.	8:30 AM
059				40500	41.00		205 PM
060	-		46NE3970322	45870	22.00	MUST USE LT. CHASSIS AT DEST.	8:00 AM
061			01006976	43758	22.00	MUST USE LT. CHASSIS AT DEST.	9.30 AM
062				39102	19.00		1:05 PM
063				43000	114.00		12.05 PM
064		-		14304	48.00		9:00 AM
065				27921	48.00		7:30 AM
070			46NE4400324	45102	22.00	MUST USE LT. CHASSIS AT DEST.	9.00 AM
071			46NE7590406	45870	22.00	MUST USE LT. CHASSIS AT DEST.	10.00 AM

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ID	NOT DATE	NOT TIME	SCH DATE	SCHTIME	DRIVER	OPERATION	PWR DET	TRL DET
021	4/25/94	6:00 AM	4/26/94	745	MIGUEL	WAIT	60	1.5 HOURS
023	4/25/94	6:00 AM	4/26/94	900	ANTON I.	WAIT	60	1.5 HOURS
026	4/26/94	6:00 AM	4/27/94	1205	JOEL	DROP AND PULL		
027	4/26/94	6:00 AM	4/27/94	730	GABE A.	WAIT		
028	4/25/94	6:00 AM	4/27/94	1305	TONY M.	WAIT	60	1.5 HOURS
030	4/25/94	6:00 AM	4/27/94	800	WESLEY K.	DROP AND PULL		
034	4/26/94	6:00 AM	4/28/94	830	JOEL	DROP AND PULL		
035	4/26/94	6:00 AM	4/28/94	1000	JERRY Z	DROP AND PULL		
036	4/26/94	6:00 AM	4/28/94	700	WESLEY K.	DROP AND PULL		
037	4/26/94	6:00 AM	4/28/94	930	TONY M.	DROP AND PULL		
038	4/25/94	6:00 AM	4/28/94	800	PAUL H.	DROP AND PULL		
039	4/27/94	6:00 AM	4/28/94	700	JACK R	DROP AND PULL		
040	4/27/94	6:00 AM	4/28/94	1530	DENNIS W.	WAIT	90	2.25 HOURS
041	4/27/94	6:00 AM	4/28/94	800	CRUZ	DROP AND PULL		
044	4/27/94	6:00 AM	4/28/94	700	VAZ	WAIT	100	2.5 HOURS
045	4/25/94	6:00 AM	4/28/94	1205	JOHN N.	DROP AND PULL		
046	4/25/94	6:00 AM	4/28/94	800	JANUCZ F.	DROP AND PULL		
048	4/28/94	6:00 AM	4/29/94	700	TONY M.	DROP AND PULL		
049	4/28/94	6:00 AM	4/29/94	800	PAUL H.	DROP AND PULL		
050	4/27/94	6:00 AM	4/29/94	900	JACK R	DROP AND PULL		
051	4/27/94	6:00 AM	4/29/94	800	ROBERT W.	WAIT		
052	4/28/94	6:00 AM	4/29/94	1700	DAVID I	WAIT		
053	4/28/94	6:00 AM	4/29/94	1800	JANUCZ F.	WAIT		<u></u>
054	4/28/94	6:00 AM	4/29/94	1505	JERRY Z.	WAIT	40	1 HOUR
055	4/28/94	6:00 AM	4/29/94	1600	HENRY	WAIT		
056	4/28/94	6:00 AM	4/29/94	1500	ANTON I.	WAIT		· · · · · · · · · · · · · · · · · · ·
058	4/29/94	6.00 AM	5/2/94	830	GABE A	DROP AND PULL		
059	4/29/94	6:00 AM	5/2/94	1405	VA7	DROP AND PULL		
060	4/25/94	6:00 AM	5/2/94	800	PALL	DROP AND PULL		
000	1/20/04	6:00 AM	5/2/94	930				
001	A/28/0A	6:00 AM	5/2/04	1205	VA7			
002	4/20/94	6:00 AM	5/2/34	1000				
003	4/20/94	6:00 AM	5/2/94	1200				
004	4/20/94	0.00 AM	5/2/94	900			100	
000	4/28/94	0.00 AM	5/2/94	/ 30			100	
0/0	5/2/94	6:00 AM	5/3/94	900	JUEL	UROP AND PULL		
0/1	5/2/94	6:00 AM	5/3/94	1000	JUHN N.	IDROP AND PULL		

ID	TRAILER/CONTAINER	STATUS	SIZE	DESTINATION	ZIP	ORGIN/RAMP	CARRIER	OW	RATE
072	BNAU286513	DELIVERY	45	KEARNY, NJ	07032	NYH APT	BN AMERICA	1	152
073	BNAU287039	DELIVERY	45	NEWARK, NJ	07105	NYH APT	BN AMERICA	4	152
074	MDWU280416	DELIVERY	45	PHILADELPHIA, PA	19153	NYH APT	<b>BN AMERICA</b>	89	385
075	MDWU280397	DELIVERY	45	BRIDGEPORT, NJ	08014	NYH APT	<b>BN AMERICA</b>	105	404
076	BNAU680284	DELIVERY	45	SUCCASUNNA, NJ	07876	NYH APT	BN AMERICA	31	200
077	BNAU680282	DELIVERY	45	DAYTON, NJ	08810	NYH APT	BN AMERICA	38	200
078	BNAU281290	DELIVERY	45	MIDDLETOWN, NY	10940	NYH APT	BN AMERICA	65	390
079	BNAU286266	DELIVERY	45	BURLINGTON, NJ	08016	NYH APT	BN AMERICA	68	343
080	BNAU284859	DELIVERY	45	CHESHIRE, CT	06410	NYH APT	BN AMERICA	103	416
081	BNAU289625	DELIVERY	45	BRIDGEPORT, NJ	08014	NYH APT	BN AMERICA	105	404
082	BNAU283247	DELIVERY	45	NEWARK, NJ	07114	NYH APT	<b>BN AMERICA</b>	4	152
083	MDWU280210	DELIVERY	45	BURLINGTON, NJ	08016	NYH APT	BN AMERICA	68	343
085	BNAU280607	DELIVERY	45	MERIDEN, CT	06450	NYH APT	<b>BN AMERICA</b>	110	444
086	BNAU287722	DELIVERY	45	BRIDGEPORT, NJ	08014	NYH APT	<b>BN AMERICA</b>	105	404
087	MDWU280370	DELIVERY	45	BURLINGTON,NJ	08016	NYH APT	<b>BN AMERICA</b>	68	343
090	BNAU288230	DELIVERY	45	GUILDERLAND CENTER, NY	12085	NYH APT	<b>BN AMERICA</b>	155	539
091	BNAU680399	DELIVERY	45	NEWARK, NJ	07114	NYH APT	<b>BN AMERICA</b>	4	152
092	BNAU287153	DELIVERY	45	GUILDERLAND CENTER, NY	12085	NYH APT	<b>BN AMERICA</b>	155	539
093	BNAU286922	DELIVERY	45	BRIDGEPORT, NJ	08014	NYH APT	<b>BN AMERICA</b>	105	404
094	BNAU283511	DELIVERY	45	LITITZ, PA	17543	NYH APT	<b>BN AMERICA</b>	142	513
095	BNAU287027	DELIVERY	45	TRENTON, NJ	08638	NYH APT	<b>BN AMERICA</b>	55	343
096	BNAU289734	DELIVERY	45	DAYVILLE, CT	06241	NYH APT	<b>BN AMERICA</b>	174	546
097	BNAU680687	PICK-UP	45	MILLVILLE, NJ	08332	NYH APT	<b>BN AMERICA</b>	124	471
098 ·	BNAU287873	PICK-UP	45	MILLVILLE, NJ	08332	NYH APT	<b>BN AMERICA</b>	124	471
100	BNAU286147	DELIVERY	45	GARFIELD, NJ	07026	NYH APT	<b>BN AMERICA</b>	14	166
101	BNAU281327	DELIVERY	45	BURLINGTON, NJ	08016	NYH APT	<b>BN AMERICA</b>	68	343
102	BNAU288899	DELIVERY	45	PLAINVIEW, NY	11803	NYH APT	<b>BN AMERICA</b>	44	394
103	BNAU282343	DELIVERY	45	BURLINGTON, NJ	08016	NYH APT	BN AMERICA	68	343
104	BNAU280207	DELIVERY	45	WATERBURY, CT	06719	NYH FCF	BN AMERICA	106	428
105	BNAU287873	DELIVERY	45	BURLINGTON, NJ	08016	NYH APT	BN AMERICA	68	343
106	BNAU680687	DELIVERY	45	BURLINGTON, NJ	08016	NYH APT	BN AMERICA	68	343
108	MDWU280472	DELIVERY	45	BURLINGTON, NJ	08016	NYH APT	BN AMERICA	68	343
109	BNAU280132	DELIVERY	45	CARLSTADT, NJ	07072	NYH APT	BN AMERICA	8	152
110	BNAU282247	DELIVERY	45	KING OF PRUSSIA, PA	19406	NYH APT	BN AMERICA	97	420
111	BNAU287561	DELIVERY	45	LEOLA. PA	17540	NYH APT	BN AMERICA	140	486
112	BNAU280181	DELIVERY	45	BRIDGEPORT, NJ	08014	NYH APT	BN AMERICA	105	404
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ID	NAME	CADDRESS	C ZIP THIRD PARTY
072	FREEMAN DECORATING	909 HARRISON AV, KEARNY, NJ	07032 INTERMODAL OD TENNESSEE
073	TRU MASK PRODUCTS	16 HERBERT ST, NEWARK, NJ	07105 TOLAN O' NEAL
074	GARRETT BUCHANAN	7575 BREWSTER AVE, PHILADELPHIA, PA	19153 BOISE CASCADE INT FALLS MN
075	BOISE CASCADE PAPER	306 CTR SQUARE RD PURELAND 1, BRIDGEPORT, NJ	08014 BOISE CASCADE INT FALLS MN
076	HOLLAND MFG	15 MAIN ST, SUCCASUNNA, NJ	07876 TOLAN O' NEAL
077	AMWAY CORP.	MONMOUTH JUNCTION RD, DAYTON, NJ	08810 HUB CITY NORTH CENTRAL
078	NEW VERNON MARINE INC	RD 4 BOX 14 DOLSON TOWN RD, MIDDLETOWN, NY	10940 SUN COUNTRY TRANSPORTATION
079	GSA	1900 RIVER ROAD, BURLINGTON, NJ	08016 BOISE CASCADE INT FALLS MN
080	GLOBAL	540 W JOHNSON AVE, CHESHIRE, CT	06410 INTERNATIONAL DISPATCH
081	BOISE CASCADE PAPER	306 CTR SQUARE RD PURELAND 1, BRIDGEPORT, NJ	08014 BOISE CASCADE INT FALLS MN
082	TOYS R US'	888 DOREMUS AVE, NEWARK, NJ	07114 TWIN MODAL
083	GSA	1900 RIVER ROAD, BURLINGTON, NJ	08016 BOISE CASCADE INT FALLS MN
085	FOSDIC/PUBLISHERS CLRNGHSE	500 S BROAD ST, MERIDEN, CT	06450 HUB CITY PORTLAND
086	BOISE CASCADE PAPER	306 CTR SQUARE RD PURELAND 1, BRIDGEPORT, NJ	08014 BOISE CASCADE INT FALLS MN
087	GSA	1900 RIVER ROAD, BURLINGTON, NJ	08016 BOISE CASCADE INT FALLS MN
090	SCOTT PAPER % DIST. UNLIMITED	NORTHEAST INDUSTRIAL PARK, GUILDERLAND CENTER, NY	12085 GST CORP
091	TOYS R US'	888 DOREMUS AVE, NEWARK, NJ	07114 TWIN MODAL
092	SCOTT PAPER % DIST. UNLIMITED	NORTHEAST INDUSTRIAL PARK, GUILDERLAND CENTER, NY	12085 GST CORP
093	BOISE CASCADE PAPER	306 CTR SQUARE RD PURELAND 1, BRIDGEPORT, NJ	08014 BOISE CASCADE INT FALLS MN
094	PYRO INDUSTRIES	14-14A CITATION LN, LITITZ, PA	17543 MCS
095	DONALD F HUBSCH CO	218 4TH ST, TRENTON, NJ	08638 HUB CITY PORTLAND
096	NATIONAL PATENT MEDICAL	349 LAKE RD, DAYVILE, CT	06241 TOLAN O' NEAL
097	DURAND GLASS		ALLIANCE SHIPPERS
098	DURAND GLASS		WABASH TRANSPORTATION
100	KALAMA CHEMICAL CO	1296 NW 3RD, GARFIELD, NJ	07026 GST CORP
101	GSA	1900 RIVER ROAD, BURLINGTON, NJ	08016 BOISE CASCADE INT FALLS MN
102	FIRST IMPRESSIONS	ADAMS COURT, PLAINVIEW, NY	11803 BOISE CASCADE INT FALLS MN
103	GSA	1900 RIVER ROAD, BURLINGTON, NJ	08016 BOISE CASCADE INT FALLS MN
104	JACKSON LEE MFG	2337 E AURORA, WATERBURY, CT	06719 PIGGYBACK PLUS
105	GSA	1900 RIVER ROAD, BURLINGTON, NJ	08016 BOISE CASCADE INT FALLS MN
106	GSA	1900 RIVER ROAD, BURLINGTON, NJ	08016 BOISE CASCADE INT FALLS MN
108	GSA	1900 RIVER ROAD, BURLINGTON, NJ	08016 BOISE CASCADE INT FALLS MN
109	CANON USA-C/O NIPPON EXPRESS	75 ARMOR AVE, CARLSTADT, NJ	07072 BOISE CASCADE INT FALLS MN
110	CHEF FRANCISCO OF PA INC	HANSEN ACCESS RD, KING OF PRUSSIA, PA	19406 U.S. SHIPPERS
111	BOWATER COMMUNICATION PAPER	41 INDUSTRIAL CIRCLE, LEOLA, PA	17540 BOISE CASCADE INT FALLS MN
112	BOISE CASCADE PAPER	306 CTR SQUARE RD PURELAND 1, BRIDGEPORT, NJ	08014 BOISE CASCADE INT FALLS MN

072							
012				8000	11.00		3:35 PM
073							9:00 AM
074			111946	43785	21.00	MUST USE LT. CHASSIS AT DEST.	1:05 PM
075			46NE7040405	45870	22.00	MUST USE LT. CHASSIS AT DEST.	8:00 AM
076							8:30 AM
077				10458	1992.00		1:05 PM
078			124102	44000	15.00		11:00 AM
079			01006922	45870	22.00	MUST USE LT. CHASSIS AT DEST.	8:00 AM
080				38480	39.00		205 PM
081			46NE4400324	45870	22.00	MUST USE LT. CHASSIS AT DEST.	8:00 AM
082			NONE	19342	1335.00	URGENT	7:00 AM
083			01006911	45870	22.00	MUST USE LT. CHASSIS AT DEST.	9.30 AM
085				27220	675.00	2 PICK-UPS AT ORGIN	11:00 AM
086			46NE7590406	45870	22.00	MUST USE LT. CHASSIS AT DEST.	9.00 AM
087			01006922	45870	22.00	MUST USE LT. CHASSIS AT DEST.	10.30 AM
090		1	9528838	14000	48.00	SPECIAL INFO	8:00 AM
091		1	1	11627	822.00		7:00 AM
092				14304	48.00		7:45 AM
093			46NE1000420	44022	660.00	MUST USE LT. CHASSIS AT DEST.	8:00 AM
094				33262	598.00	AGENT REQ EGSY AT ORGIN	11:00 AM
095		1		10736	1.00		8:30 AM
096							7:00 AM
097 V	VADE BLVD, MILLMILE, NJ	08332	745813				10.00 AM
098 V	VADE BLVD, MILLMLLE, NJ	08332	74-5812				11:00 AM
100		1		43000	115.00		205 PM
101						MUST USE LT. CHASSIS AT DEST.	10.30 AM
102			0328HBF	45792	864.00	**MUST USE LTWT CHASSIS AT DEST**	MA 00:8
103			01006873	45870	22.00	MUST USE LT. CHASSIS AT DEST.	9.30 AM
104		<u>                                     </u>	94-00243	1		**EAGLE WILL BLOCK / 7 BRACE ATR ORIG PER AGENT**	8:00 AM
105		1	01006873	45870	22.00	MUST USE LT. CHASSIS AT DEST.	9:00 AM
106			01006873	45870	22.00	MUST USE LT. CHASSIS AT DEST.	8:30 AM
108			01006980	45870	22.00	MUST USE LT. CHASSIS AT DEST.	9.30 AM
109		1	BCNY035	45870	22.00	MUST USE LT. CHASSIS AT DEST.	8:00 AM
110		1		45000	450.00		11:00 AM
111		1	12554	45870	22.00	MUST USE LT. CHASSIS AT DEST.	7:00 AM
112		1	MILL 166123	40622	396.00	MUST USE LT. CHASSIS AT DEST.	800 AM

1D	NOT DATE	NOT TIME	SCH DATE	SCH TIME	DRIVER	OPERATION	PWR DET	TRL DET
072	5/2/94	6:00 AM	5/3/94	1535	ROBERT W.	WAIT	80	2 HOURS
073	5/2/94	6:00 AM	5/3/94	900	TONY M.	DROP AND PULL		
074	5/2/94	6:00 AM	5/3/94	1305	GABE A.	WAIT		
075	5/2/94	6:00 AM	5/3/94	800	PAUL H.	DROP AND PULL		
076	5/2/94	6:00 AM	5/3/94	830	ANTON I.	DROP AND PULL		
077	4/29/94	6:00 AM	5/3/94	1305	VAZ	WAIT	40	1 HOUR
078	5/2/94	6:00 AM	5/3/94	800	SINGLETON	WAIT		
079	5/2/94	6:00 AM	5/3/94	800	JACK R	DROP AND PULL		
080	5/2/94	6:00 AM	5/3/94	1405	JERRY Z	DROP AND PULL		
081	4/29/94	6:00 AM	5/4/94	800	PAUL H.	DROP AND PULL		
082	5/2/94	6:00 AM	5/4/94	700	TONY M.	WAIT	160	4 HOURS
083			5/4/94	930	JERRY Z	DROP AND PULL		
085	5/3/94	6:00 AM	5/4/94	1100	JANUCZ F.	WAIT	140	3.5 HOURS
086	5/2/94	6:00 AM	5/4/94	900	JOEL	WAIT		
087	5/3/94	6:00 AM	5/4/94	1030	JACK R	DROP AND PULL		
090	5/4/94	6:00 AM	5/5/94	800	JOEL	DROP AND PULL		
091	5/4/94	6:00 AM	5/5/94	700	TONY M.	WAIT	120	3 HOURS
092	5/4/94	6:00 AM	5/5/94	745	JERRY Z	DROP AND PULL		
093	5/2/94	6:00 AM	5/5/94	800	PAUL H.	DROP AND PULL		
094	5/4/94	6:00 AM	5/5/94	1100	GABE A.	DROP AND PULL		
095	5/4/94	6:00 AM	5/5/94	830	CRUZ	DROP AND PULL		
096	5/4/94	6:00 AM	5/5/94	700	ROBERT W.	WAIT	40	1 HOUR
097			5/6/94	1000	JACK R.	DROP AND PULL		
098 ·			5/6/94	1100	VAZ	DROP AND PULL		
100	5/5/94	6:00 AM	5/6/94	1405	JANUCZ F.	WAIT	20	.5 HOUR
101	5/5/94	6:00 AM	5/6/94	1030	CRUZ	DROP AND PULL		
102	5/5/94	6:00 AM	5/6/94	800	JOEL	DROP AND PULL		
103	5/5/94	6:00 AM	5/6/94	930	JERRY Z	DROP AND PULL		
104	5/5/94	6:00 AM	5/6/94	800	ROBERT W.	DROP AND PULL		
105	5/5/94	6:00 AM	5/6/94	900	VAZ	DROP AND PULL		
106	5/5/94	6:00 AM	5/6/94	830	JACK R.	DROP AND PULL		
108	5/6/94	6:00 AM	5/9/94	930	JACK R	DROP AND PULL		
109	5/6/94	6:00 AM	5/9/94	800	ROBERT W.	DROP AND PULL		
110	5/5/94	6:00 AM	5/9/94	1100	JOHN N.	DROP AND PULL		
111	5/7/94	6:00 AM	5/9/94	700	GABE A.	DROP AND PULL		
112	5/3/94	6:00 AM	5/9/94	800	PAUL H.	DROP AND PULL		

ID	TRAILER/CONTAINER	ISTATUS	SIZE	DESTINATION	ZIP	ORGIN/RAMP	CARRIER	0/W	RATE
115	BNAU283335	DELIVERY	45	BRIDGEPORT, NJ	08014	NYH APT	<b>BN AMERICA</b>	105	404
116	BNAU283335	DELIVERY	45	JESSUP, MD	20794	NYH APT	BN AMERICA	202	596
117	BNAU280462	DELIVERY	45	PHILADELPHIA, PA	19137	NYH APT	BN AMERICA	89	385
118	BNAU288433	DELIVERY	45	JERSEY CITY, NJ	07305	NYH APT	<b>BN AMERICA</b>	5	152
119	BNAU287402	DELIVERY	45	BRATTLEBORO, VT	05301	NYH APT	<b>BN AMERICA</b>	212	643
120	BNAU289952	DELIVERY	45	MIDDLETOWN, NY	10940	NYH APT	<b>BN AMERICA</b>	65	390
121	BNAU680099	DELIVERY	45	CRANSTON, RI	02920	NYH APT	<b>BN AMERICA</b>	186	584
122	BNAU280902	DELIVERY	45	MECHANICSBURG, PA	17055	NYH APT	<b>BN AMERICA</b>	168	568
123	BNAU288265	DELIVERY	45	GUILDERLAND CENTER, NY	12085	NYH APT	<b>BN AMERICA</b>	155	539
126	BNAU281190	DELIVERY	45	GARFIELD, NJ	07026	NYH APT	<b>BN AMERICA</b>	14	166
127	MDWU280329	DELIVERY	45	MECHANICSBURG, PA	17055	NYH APT	<b>BN AMERICA</b>	168	568
128	BNAU287513	DELIVERY	45	BRIDGEPORT, NJ	08014	NYH APT	<b>BN AMERICA</b>	105	404
129	STFU284681	DELIVERY	45	BRIDGEPORT, NJ	08014	NYH APT	BN AMERICA	105	404
130	BNAU287436	DELIVERY	45	HAWTHORNE, NJ	07506	NYH APT	<b>BN AMERICA</b>	15	166
132	BNAU280130	DELIVERY	45	JAMAICA, NY	11433	NYH APT	<b>BN AMERICA</b>	21	366
133	BNAU282407	DELIVERY	45	GUILDERLAND CENTER, NY	12085	NYH APT	<b>BN AMERICA</b>	155	539
134	BNAU286706	DELIVERY	45	EAST BRUNSWICK, NJ	08816	NYH APT	<b>BN AMERICA</b>	28	185
135	MDWU280332	DELIVERY	45	BRIDGEPORT, NJ	08014	NYH APT	<b>BN AMERICA</b>	105	404
136	BNAU680643	DELIVERY	45	BRIDGEPORT, NJ	08014	NYH APT	<b>BN AMERICA</b>	105	404
137	BNAU289454	DELIVERY	45	BRIDGEPORT, NJ	08014	NYH APT	<b>BN AMERICA</b>	105	404
138	MDWU280056	DELIVERY	45	BRIDGEPORT, NJ	08014	NYH APT	<b>BN AMERICA</b>	105	404
139	MDWU280252	DELIVERY	45	BRIDGEPORT, NJ	08014	NYH APT	BN AMERICA	105	404
140	MDWU280254	DELIVERY	45	BRIDGEPORT, NJ	08014	NYH APT	<b>BN AMERICA</b>	105	404
141 ·	BNAU286061	DELIVERY	45	GARFIELD, NJ	07026	NYH APT	<b>BN AMERICA</b>	14	166
142	BNAU281377	DELIVERY	45	SOUTH HACKENSACK, NJ	07606	NYH APT	<b>BN AMERICA</b>	11	166
143	MDWU280059	PICK-UP	45	VINELAND, NJ	08360	NYH APT	<b>BN AMERICA</b>	117	450
144	MDWU280368	DELIVERY	45	BRIDGEPORT, NJ	08014	NYH APT	<b>BN AMERICA</b>	105	404
152	MDWU280072	PICK-UP	45	OXFORD, MA	01540	NYH APT	<b>BN AMERICA</b>	180	565
153	BNAU281002	DELIVERY	45	NEWARK, NJ	07105	NYH APT	<b>BN AMERICA</b>	4	152
154	BNAU280610	PICK-UP	45	HARTFORD, CT	06101	NYH APT	<b>BN AMERICA</b>	125	343
155	BNAU288191	PICK-UP	45	BURLINGTON, NJ	08016	NYH APT	BN AMERICA	68	446
156	BNAU286266	PICK-UP	45	MILLVILLE, NJ	08332	NYH APT	BN AMERICA	124	471
157	BNAU287039	PICK-UP	45	MOONACHIE, NJ	07074	NYH APT	BN AMERICA	11	166
158	BNAU286513	PICK-UP	45	MOONACHIE, NJ	07074	NYH APT	BN AMERICA	11	166
159	BNAU280293	PICK-UP	45	FREEPORT, NY	11520	NYH APT	BN AMERICA	40	200
161	BNAU280607	PICK-UP	45	FALL RIVER, MA	02722	NYH APT	BN AMERICA	206	626

ID	NAME	CADDRESS	C ZIF	THIRD PARTY
115	BOISE CASCADE PAPER	306 CTR SQUARE RD PURELAND 1, BRIDGEPORT, NJ	08014	BOISE CASCADE INT FALLS MN
116	BOISE CASCADE OFFICE PRODUCTS		20794	1
117	ATLANTA METAL	ORTHODOX ST AT DELAWARE, PHILADELPHIA, PA	19137	APDS
118	AMERICAN CONSOLIDATED TRANSP	107 WESTSIDE AVE, JERSEY CITY, NJ	07305	MARK VII TRANSPORTATION
119	GEORGIA PACIFIC	RR6, RIVERSIDE LANE, BRATTLEBORO, VT	05301	CONSOLIDATION SVCS
120	NEW VERNON MARINE INC	RD 4 BOX 14 DOLSON TOWN RD, MIDDLETOWN, NY	10940	SUN COUNTRY TRANSPORTATION
121	STATE WHSE	POWER ROAD, CRANSTON, RI	02920	APDS
122	FRY COMMUNICATIONS	800 W CHURCH ROAD, MECHANICSBURG, PA	17055	BOISE CASCADE INT FALLS MN
123	SCOTT PAPER % DIST. UNLIMITED	NORTHEAST INDUSTRIAL PARK, GUILDERLAND CENTER, NY	12085	GST CORP
126	C MAYER & ASSOC	141 LANZA AVE, GARFIELD, NJ	07026	INTERMODAL SALES
127	FRY COMMUNICATIONS	800 W CHURCH ROAD, MECHANICSBURG, PA	17055	BOISE CASCADE INT FALLS MN
128	BOISE CASCADE PAPER	306 CTR SQUARE RD PURELAND 1, BRIDGEPORT, NJ	08014	BOISE CASCADE INT FALLS MN
129	BOISE CASCADE PAPER	306 CTR SQUARE RD PURELAND 1, BRIDGEPORT, NJ	08014	BOISE CASCADE INT FALLS MN
130	PARADISE FRUIT	58-5TH, HAWTHORNE, NJ	07506	GST CORP
132	J L ADIKES INC	103 20 40 178TH ST, JAMAICA, NY	11433	LASER NETWORKING
133	SCOTT PAPER % DIST. UNLIMITED	NORTHEAST INDUSTRIAL PARK, GUILDERLAND CENTER, NY	12085	GST CORP
134	LITHOID PRINTING	6 ALVIN CT, EAST BRUNSWICK, NJ	08816	BOISE CASCADE INT FALLS MN
135	BOISE CASCADE PAPER	306 CTR SQUARE RD PURELAND 1, BRIDGEPORT, NJ	08014	BOISE CASCADE INT FALLS MN
136	BOISE CASCADE PAPER	306 CTR SQUARE RD PURELAND 1, BRIDGEPORT, NJ	08014	BOISE CASCADE INT FALLS MN
137	BOISE CASCADE PAPER	306 CTR SQUARE RD PURELAND 1, BRIDGEPORT, NJ	08014	BOISE CASCADE INT FALLS MN
138	BOISE CASCADE PAPER	306 CTR SQUARE RD PURELAND 1, BRIDGEPORT, NJ	08014	BOISE CASCADE INT FALLS MN
139	BOISE CASCADE PAPER	306 CTR SQUARE RD PURELAND 1, BRIDGEPORT, NJ	08014	BOISE CASCADE INT FALLS MN
140	BOISE CASCADE PAPER	306 CTR SQUARE RD PURELAND 1, BRIDGEPORT, NJ	08014	BOISE CASCADE INT FALLS MN
141	KALAMA CHEMICAL CO	290 RIVER DRIVE, GARFIELD, NJ	07026	GST CORP
142	SCHERER & SCHERER C/O AM SEAL	80 LEUNING STREET, SOUTH HACKENSACK, NJ	07606	ALLIANCE SHIPPERS
143	SANTAS BEST	3501 S E BLVD, VINELAND, NJ	08360	BOISE CASCADE INT FALLS MN
144	BOISE CASCADE PAPER	306 CTR SQUARE RD PURELAND 1, BRIDGEPORT, NJ	08014	W. O. S. C. A.
152	LEGGETT & PLATT			MIDWEST GATEWAY
153	GREGORY PACKING	247 ROME ST., NEWARK, NJ	07105	APDS
154	STANDARD MATTRESS		1	MCS
155	GSA	1900 RIVER ROAD, BURLINGTON, NJ	08016	BOISE CASCADE INT FALLS MN
156	DURAND GLASS		1	ALLIANCE SHIPPERS
157	MELNOE IND			INTERMODAL SALES
158	MELNOE IND			INTERMODAL SALES
159	COLUMBIA CEMENT			MARK VII TRANSPORTATION
161	DUROTEX			
<u> </u>			<u> </u>	L

115         C/0/018         41915         (80.00         2 STOP         80.00           116         C/0/018         41915         88.00         2 STOP         120.6 FM           117         0667         42273         14.00         PEASE LISE LIG ITWEIGHT CANCHASSIS PER CLISTOMER         9.30 AM           118         -         4000         DRIVER STANDEY AT ORGIN AND DESTINATION         11.00 AM           120         -         44000         1.00         REASE LISE LIG ITWEIGHT CANCHASSIS PER CLISTOMER         9.30 AM           121         -         44000         1.00         REASE LISE LIG ITWEIGHT CANCHASSIS AT DEST.         7.30 AM           122         -         D1562221         45835         41.00         MLST USE LIT CHASSIS AT DEST.         7.30 AM           123         -         D1562221         45831         40.00         MLST USE LIT CHASSIS AT DEST.         1.30 PM           123         -         D1562221         45870         22.00         MLST USE LIT CHASSIS AT DEST.         80.0 AM           124         D1562221         45870         22.00         MLST USE LIT CHASSIS AT DEST.         80.0 AM           125         -         D1562221         45870         22.00         MLST USE LIT CHASSIS AT DEST.         80.	ID	SADDRESS	SZIP	PO#	WHT	PIECES	SPECIAL INSTRUCTIONS	TIME WINDOW
116         OMD16         41915         88.00         2 STOP         12 (26 Fm)           117         6667         42273         14.00         PEASE USE LIGHTWEIGHT CANCHASSIS PER CUSTOMER         9.30 AM           118         4000         PEASE USE LIGHTWEIGHT CANCHASSIS PER CUSTOMER         10.60 FM           119         4000         NEVER STANDEY AT ORGIN AND DESTINATION         11.00 FM           120         41325         16.00         FAX BOL/POD TO ACENT         22.65 FM           121         01562221         4583         41.00         MST USE LIT CHASSIS AT DEST.         7.30 AM           123         952569         90         900 AM         900 AM         900 AM           126         4684-149020         4507         22.00         MLST USE LIT CHASSIS AT DEST.         9.00 AM           128         4684-149020         4500         20.00         MLST USE LIT CHASSIS AT DEST.         9.00 AM           130         952591         14004         48.00         900 AM         900 AM           132         4884-149020         4507         22.00         MLST USE LIT CHASSIS AT DEST.         900 AM           133         952591         14004         48.00         900 AM         900 AM         900 AM <tr< td=""><td>115</td><td></td><td></td><td>CMD18</td><td>41915</td><td>88.00</td><td>2 STOP</td><td>8:00 AM</td></tr<>	115			CMD18	41915	88.00	2 STOP	8:00 AM
1171         6667         43273         14.00         PLEASE USE LIGHTWEIGHT CANCHASSISPER CLSTOMER         9.30 AM           118         -         42506         DRIVER STANDEY AT ORGINAND DESTINATION         1100 AM           120         -         44000         1.00         800 AM           121         -         44000         1.00         800 AM           122         -         D1552211         45855         41.00         MLST USE LT CHASSIS AT DEST.         7.50 AM           123         -         952689         -         110.30 M         900 AM         120 AM           128         -         0155221         4513         40.00         MLST USE LT CHASSIS AT DEST.         130 DM           128         -         0155221         4613         40.00         MLST USE LT CHASSIS AT DEST.         800 AM           128         -         46NE140240         4507         22.00         MLST USE LT CHASSIS AT DEST.         900 AM           139         -         46NE140240         4507         22.00         MLST USE LT CHASSIS AT DEST.         900 AM           130         -         46NE140240         4507         22.00         MLST USE LT CHASSIS AT DEST.         900 AM           131         - <td>116</td> <td></td> <td></td> <td>CMD18</td> <td>41915</td> <td>88.00</td> <td>2 STOP</td> <td>12.05 PM</td>	116			CMD18	41915	88.00	2 STOP	12.05 PM
118	117			6667	43273	14.00	PLEASE USE LIGHTWEIGHT CANCHASSIS PER CUSTOMER	9:30 AM
119         4006         DRIVER STANDBY AT ORGIN AND DESTINATION         11:00 AM           120         44000         100         800 AM           121         D1552221         45865         41.00         MLST USE LT CHASSIS AT DEST.         7:30 AM           123         01552221         46855         41.00         MLST USE LT CHASSIS AT DEST.         10:30 AM           126         01552221         46811         40.00         MLST USE LT CHASSIS AT DEST.         10:30 AM           126         01552221         46131         40.00         MLST USE LT CHASSIS AT DEST.         10:00 AM           128         46902         45970         22.00         MLST USE LT CHASSIS AT DEST.         800 AM           130         46902         45970         22.00         MLST USE LT CHASSIS AT DEST.         800 AM           132         46902         45970         22.00         MLST USE LT CHASSIS AT DEST.         800 AM           133         4592591         4300         9002 AM         900 AM         900 AM           133         9052691         4300         900 AM         900 AM         900 AM           134         9052691         4300         4800         900 AM         900 AM           135         9	118							1:05 PM
120         44000         1.00         FAX BOL/POD TO AGENT         8:00 Am           121         0.1552221         45885         41.00         FAX BOL/POD TO AGENT         2:05 FM           122         0.1552221         45885         41.00         MUST USE LT CHASSIS AT DEST.         7:30 AM           123         0.552269         0.00         ASE44         619:00         DKOP & FULL AT ORGIN         9:00 AM           126         0.1552221         46131         40.00         MUST USE LT CHASSIS AT DEST.         1:30 PM           128         43NE1480420         45670         22.00         MUST USE LT CHASSIS AT DEST.         9:00 AM           129         43NE1480420         45670         22.00         MUST USE LT CHASSIS AT DEST.         9:00 AM           130         -         43S2591         14304         4800         MUST USE LT CHASSIS AT DEST.         9:00 AM           133         0.1560548         43471         37:00         MUST USE LT CHASSIS AT DEST.         9:00 AM           136         449E1490420         45670         22:00         MUST USE LT CHASSIS AT DEST.         1:00 AM           137         -         448E1490420         45670         2:00         MUST USE LT CHASSIS AT DEST.         1:00 AM	119				40506		DRIVER STANDBY AT ORGIN AND DESTINATION	11:00 AM
121         41325         16:00         FAX BOL/PO TO AGENT         205 FM           122         01952221         4585         41:00         MUST USE LT CHASSIS AT DEST.         7:30 AM           123         9529589         510         020 AM         900 AM         900 AM           126         01952221         45131         40:00         MUST USE LT CHASSIS AT DEST.         1030 AM           126         01952221         45131         40:00         MUST USE LT CHASSIS AT DEST.         800 AM           127         01952221         45131         40:00         MUST USE LT CHASSIS AT DEST.         800 AM           128         46NE1490420         45870         22:00         MUST USE LT CHASSIS AT DEST.         900 AM           130         9529591         14304         46:00         900 AM         10:30 AM           133         9529591         14304         46:00         900 AM         900 AM           134         01:580848         49471         37:00         MUST USE LT CHASSIS AT DEST.         900 AM           135         46NE1490420         45870         22:00         MUST USE LT CHASSIS AT DEST.         900 AM           136         46NE1490420         45870         22:00         MUST USE LT CHASSIS	120				44000	1.00		8:00 AM
122         D1562221         45885         41.00         MLST USE LT CHASSIS AT DEST.         7:30 AM           123         9625689         5824         619.00         DROP & PULL AT ORGIN         900 AM           126         D1562221         46131         40.00         MLST USE LT CHASSIS AT DEST.         1:30 PM           127         MST USE LT CHASSIS AT DEST.         900 AM         800 AM         800 AM           128         46NE1490420         45870         22.00         MUST USE LT CHASSIS AT DEST.         900 AM           130         46NE1490420         45870         22.00         MUST USE LT CHASSIS AT DEST.         900 AM           133         9525891         14304         4800         900 AM         10:30 AM           134         0155         9525891         14304         4800         900 AM           135         9525891         14304         4800         900 AM         10:30 AM           135         9525891         14304         4800         900 AM         10:30 AM           136         9625891         14304         4800         900 AM         10:30 AM           136         9626491         45870         22.00         MLST USE LT CHASSIS AT DEST.         800 AM	121				41325	16.00	FAX BOL/POD TO AGENT	205 PM
123         952859         9         100         RCP & FULL AT CRGIN         1030 AM           126         D155221         46131         40.00         MUST USE LT CHASSIS AT DEST.         130 PM           128         40NE1490420         45870         22.00         MUST USE LT CHASSIS AT DEST.         800 AM           129         46NE1490420         45870         22.00         MUST USE LT CHASSIS AT DEST.         800 AM           129         46NE1490420         45870         22.00         MUST USE LT CHASSIS AT DEST.         900 AM           130         9529591         14304         4800         900 AM         10.30 AM           133         9529591         14304         4800         900 AM         10.30 AM           134         01590648         49471         37.00         MUST USE LT CHASSIS AT DEST.         800 AM           136         49NE1490420         49870         22.00         MUST USE LT CHASSIS AT DEST.         10.00 AM           137         49NE1490420         49870         22.00         MUST USE LT CHASSIS AT DEST.         10.00 AM           138         49NE1490420         49870         22.00         MUST USE LT CHASSIS AT DEST.         10.00 AM           149         49NE1490420         49870 <td>122</td> <td></td> <td></td> <td>D1562221</td> <td>45885</td> <td>41.00</td> <td>MUST USE LT CHASSIS AT DEST.</td> <td>7:30 AM</td>	122			D1562221	45885	41.00	MUST USE LT CHASSIS AT DEST.	7:30 AM
126         S3524         619.00         DROP & PLUL AT ORGIN         900 AM           127         D1562221         46131         40.00         MLST USE LT CHASSIS AT DEST.         1:30 PM           128         43NE 1490420         45870         22:00         MLST USE LT CHASSIS AT DEST.         8:00 AM           129         43NE 1490420         45870         22:00         MLST USE LT CHASSIS AT DEST.         9:00 AM           130         43NE 1490420         45870         22:00         MLST USE LT CHASSIS AT DEST.         9:00 AM           132         52:9591         14:30 4         48:00         10:03 AM         9:00 AM           133         015:95044         43:71         37:00         MLST USE LT CHASSIS AT DEST.         9:00 AM           134         015:99044         43:70         22:00         MLST USE LT CHASSIS AT DEST.         9:00 AM           135         43NE 1490420         45870         22:00         MLST USE LT CHASSIS AT DEST.         9:00 AM           136         43NE 1490420         45870         22:00         MLST USE LT CHASSIS AT DEST.         9:00 AM           137         43NE 1490420         45870         22:00         MLST USE LT CHASSIS AT DEST.         1:00 AM           138         46NE 1490426 <td>123</td> <td></td> <td></td> <td>9529589</td> <td></td> <td></td> <td></td> <td>10:30 AM</td>	123			9529589				10:30 AM
127         D1552221         46131         40.00         MUST USE LT CHASSIS AT DEST.         1:30 PM           128         46NE 1430420         45870         22:00         MUST USE LT CHASSIS AT DEST.         8:00 AM           130         46NE 1430420         45870         22:00         MUST USE LT CHASSIS AT DEST.         9:00 AM           130         46NE 1430420         45870         22:00         MUST USE LT CHASSIS AT DEST.         9:00 AM           132         -         43500         20:00         MUST USE LT CHASSIS AT DEST.         9:00 AM           133         9:025991         14:304         48:00         9:00 AM         9:00 AM           134         0:1580848         43:471         37:00         MUST USE LT CHASSIS AT DEST.         9:00 AM           135         -         46:NE 1490420         45870         2:00         MUST USE LT CHASSIS AT DEST.         10:00 AM           136         -         46:NE 1490426         45870         2:00         MUST USE LT CHASSIS AT DEST.         10:00 AM           137         -         46:NE 1490426         45870         2:00         MUST USE LT CHASSIS AT DEST.         10:00 AM           138         -         46:NE 1490426         45870         2:00         MUST USE LT CHASSI	126				35824	619.00	DROP & PULL AT ORGIN	9:00 AM
128         46KE1490420         45870         22.00         MLST USE LT CHASSIS AT DEST.         8:00 AM           129         46KE1490420         45870         22.00         MLST USE LT CHASSIS AT DEST.         9:00 AM           130         43500         20.00         MLST USE LIT CHASSIS AT DEST.         9:00 AM           132         9:025691         14:304         48:00         9:00 AM           133         9:025691         14:304         48:00         9:00 AM           134         9:026891         14:304         48:00         9:00 AM           135         4:01:500648         4:3471         37:00         MLST USE LT CHASSIS AT DEST.         9:00 AM           135         4:6KE1490420         4:5870         2:00         MLST USE LT CHASSIS AT DEST.         9:00 AM           136         4:6KE1490420         4:5870         2:00         MLST USE LI CHASSIS AT DEST.         10:00 AM           137         4:6KE1490420         4:5870         2:00         MLST USE LI CHASSIS AT DEST.         1:00 AM           138         4:6KE1490420         4:5870         2:00         MLST USE LI CHASSIS AT DEST.         1:00 AM           140         4:6KE1490420         4:5870         2:00         MLST USE LI CHASSIS AT DEST.	127			D1562221	46131	40.00	MUST USE LT CHASSIS AT DEST.	1:30 PM
129       48NE1490420       45870       22.00       MLST USE LT CHASSIS AT DEST.       9:00 AM         130       43300       20.00       MLST USE LIGHTWEIGHT EQUIPMENT       1:00 PM         131       9225591       14304       48.00       9:00 AM         133       9525591       14304       48.00       9:00 AM         134       01500648       43471       37:00       MLST USE LT CHASSIS AT DEST.       9:00 AM         135       46NE1490420       45870       22:00       MLST USE LT CHASSIS AT DEST.       10:00 AM         136       46NE1490420       45870       22:00       MLST USE LT CHASSIS AT DEST.       10:00 AM         137       46NE1490420       45870       22:00       MLST USE LT CHASSIS AT DEST.       10:00 AM         138       46NE1490420       45870       22:00       MLST USE LT CHASSIS AT DEST.       10:00 AM         139       46NE1490420       45870       22:00       MLST USE LT CHASSIS AT DEST.       10:00 AM         140       46NE1490420       45870       22:00       MLST USE LT CHASSIS AT DEST.       10:00 AM         141       44NE1490420       45870       22:00       MLST USE LT CHASSIS AT DEST.       10:00 AM         142       44NE1490426 <t< td=""><td>128</td><td></td><td></td><td>46NE1490420</td><td>45870</td><td>22.00</td><td>MUST USE LT CHASSIS AT DEST.</td><td>8:00 AM</td></t<>	128			46NE1490420	45870	22.00	MUST USE LT CHASSIS AT DEST.	8:00 AM
130         43500         20.00         MUST USE LIGHTWEIGHT EQUIPMENT         1:00 PM           132         -         -         -         -         -         -         -         1:00 PM           133         9529591         14304         48:00         9:00 AM         9:00 AM           134         01590848         43471         37:00         MLST USE LT CHASSIS AT DEST         9:00 AM           136         46NE1490420         45870         22:00         MLST USE LT CHASSIS AT DEST.         6:00 AM           136         46NE1490420         45870         22:00         MLST USE LT CHASSIS AT DEST.         10:00 AM           138         46NE1490420         45870         22:00         MLST USE LT CHASSIS AT DEST.         10:00 AM           139         46NE1490420         45870         22:00         MLST USE LT CHASSIS AT DEST.         1:00 PM           140         46NE1490420         45870         22:00         MLST USE LT CHASSIS AT DEST.         1:00 AM           141         46NE1490420         45870         22:00         MLST USE LT CHASSIS AT DEST.         1:00 AM           142         46NE1490420         45870         22:00         MLST USE LT CHASSIS AT DEST.         1:00 AM           142 <t< td=""><td>129</td><td></td><td></td><td>46NE1490420</td><td>45870</td><td>22.00</td><td>MUST USE LT CHASSIS AT DEST.</td><td>9:00 AM</td></t<>	129			46NE1490420	45870	22.00	MUST USE LT CHASSIS AT DEST.	9:00 AM
132	130				43500	20.00	MUST USE LIGHTWEIGHT EQUIPMENT	1:00 PM
133       9522591       14304       48.00       900 AM         134       01530648       43471       37.00       MLST USE LT CHASSIS AT DEST.       9:00 AM         135       46NE1490420       45870       22:00       MLST USE LT CHASSIS AT DEST.       8:00 AM         136       46NE1490420       45870       22:00       MLST USE LT CHASSIS AT DEST.       10:00 AM         137       46NE1490420       45870       22:00       MLST USE LT CHASSIS AT DEST.       11:00 AM         138       46NE1490420       45870       22:00       MLST USE LT CHASSIS AT DEST.       11:00 AM         139       46NE1490420       45870       22:00       MLST USE LT CHASSIS AT DEST.       10:00 AM         140       46NE1490420       45870       22:00       MLST USE LT CHASSIS AT DEST.       10:00 AM         141       44NE1490426       45870       22:00       MLST USE LT CHASSIS AT DEST.       9:00 AM         142       43000       114.00       7:33 AM       46NE1490426       45870       22:00       MLST USE LT CHASSIS AT DEST.       9:00 AM         143       5004       848.00       5004       848.00       3:35 PM	132							10:30 AM
134         01580848         43471         37.00         MUST USE LT CHASSIS AT DEST         9.00 AM           135         46NE1490420         45870         22.00         MUST USE LT CHASSIS AT DEST.         8.00 AM           136         46NE1490420         45870         22.00         MUST USE LT CHASSIS AT DEST.         10.00 AM           137         46NE1490420         45870         22.00         MUST USE LT CHASSIS AT DEST.         11.00 AM           138         46NE1490420         45870         22.00         MUST USE LT CHASSIS AT DEST.         10.00 AM           139         46NE1490420         45870         22.00         MUST USE LT CHASSIS AT DEST.         10.00 AM           140         46NE1490420         45870         22.00         MUST USE LT CHASSIS AT DEST.         10.00 AM           141         46NE1490420         45870         22.00         MUST USE LT CHASSIS AT DEST.         10.00 AM           142         43000         114.00         45820         22.00         MUST USE LT CHASSIS AT DEST.         10.00 AM           142         43000         114.00         43305         22.00         MUST USE LT CHASSIS AT DEST.         10.00 AM           152         430 MAIN ST, OXFORD, MA         01540         5004         848.00	133			9529591	14304	48.00		9.00 AM
135       46NE1490420       45870       22.00       MUST USE LT CHASSIS AT DEST.       8:00 AM         136       46NE1490420       45870       22.00       MUST USE LT CHASSIS AT DEST.       11:00 AM         137       46NE1490420       45870       22.00       MUST USE LT CHASSIS AT DEST.       11:00 AM         138       46NE1490420       45870       22.00       MUST USE LT CHASSIS AT DEST.       11:00 AM         139       46NE1490426       45870       22.00       MUST USE LT CHASSIS AT DEST.       8:00 AM         140       46NE1490426       45870       22.00       MUST USE LT CHASSIS AT DEST.       10:00 AM         141       46NE1490426       45870       22.00       MUST USE LT CHASSIS AT DEST.       10:00 AM         142       46NE1490426       45870       22.00       MUST USE LT CHASSIS AT DEST.       10:00 AM         143       46NE1490426       45870       22.00       MUST USE LT CHASSIS AT DEST.       10:00 AM         144       46NE1490426       45870       22.00       MUST USE LT CHASSIS AT DEST.       9:00 AM         154       101 WINDSOR ST., DXFORD, MA       01540       46870       2:00       MUST USE LT CHASSIS AT DEST.       9:00 AM         155       53       53       530	134		1	01580848	43471	37.00	MUST USE LT CHASSIS AT DEST	9.00 AM
136       46NE1490420       45870       22.00       MUST USE LT CHASSIS AT DEST.       10:00 AM         137       46NE1490420       45870       22.00       MUST USE LT CHASSIS AT DEST.       11:00 AM         138       46NE1490426       45870       22.00       MUST USE LT CHASSIS AT DEST.       10:00 AM         139       46NE1490426       45870       22.00       MUST USE LT CHASSIS AT DEST.       8:00 AM         140       46NE1490426       45870       22.00       MUST USE LT CHASSIS AT DEST.       10:00 AM         141       46NE1490426       45870       22.00       MUST USE LT CHASSIS AT DEST.       10:00 AM         142       44365       88:00       **ONE TIME ONLY**       3:05 PM         142       43000       114:00       7:30 AM         152       430 MAIN ST, OXFORD, MA       0150       3:35 PM         153       5004       848:00       8:00 AM       8:00 AM         153       5005       6:800       5:35 PM       5:35 PM       5:35 PM         154       101 WINDSOR ST., HARTFORD, CT       06101       5:35 PM       5:35 PM       5:35 PM       5:35 PM         154       101 WINDSOR ST., HARTFORD, CT       06101       5:35 PM       5:35 PM       5:35	135			46NE1490420	45870	22.00	MUST USE LT CHASSIS AT DEST.	8:00 AM
137       46NE1490420       45870       22.00       MUST USE LT CHASSIS AT DEST.       11:00 AM         138       46NE1490426       45870       22.00       MUST USE LT CHASSIS AT DEST.       1:00 PM         139       46NE1490426       45870       22.00       MUST USE LT CHASSIS AT DEST.       8:00 AM         140       46NE1490426       45870       22.00       MUST USE LT CHASSIS AT DEST.       10:00 AM         141       46NE1490426       45870       22.00       MUST USE LT CHASSIS AT DEST.       10:00 AM         141       44365       88.00       "ONE TIME ONLY**       3:05 PM         142       43000       114.00       7:30 AM       3:35 PM         143       5004       848.00       3:35 PM       3:35 PM         152       430 MAIN ST, OXFORD, MA       01540       2:00       MUST USE LT CHASSIS AT DEST.       9:00 AM         153       2:00       MUST USE LT CHASSIS AT DEST.       9:00 AM       3:35 PM         154       101 WINDSOR ST., HARTFORD, CT       06101       2:00       MUST USE LT CHASSIS AT DEST.       8:00 AM         155       2:00       2:00       MUST USE LT CHASSIS AT DEST.       8:00 AM         156       2:00 PM       2:00 PM       3:35 PM       <	136		1	46NE1490420	45870	22.00	MUST USE LT CHASSIS AT DEST.	10.00 AM
138       46NE1490426       45870       22.00       MUST USE LT CHASSIS AT DEST.       1:00 PM         139       46NE1490420       45870       22.00       MUST USE LT CHASSIS AT DEST.       8:00 AM         140       46NE1490426       45870       22.00       MUST USE LT CHASSIS AT DEST.       10:00 AM         141       46NE1490426       45870       22.00       MUST USE LT CHASSIS AT DEST.       10:00 AM         142       43000       114.00       7:30 AM       3:05 PM         143       5004       848.00       3:35 PM         144       60NE1490426       45870       2:00       MUST USE LT CHASSIS AT DEST.       9:00 AM         152       430 MAIN ST, OXFORD, MA       01540       2:00       MUST USE LT CHASSIS AT DEST.       9:00 AM         153       504       468NE1490426       45870       2:00       MUST USE LT CHASSIS AT DEST.       9:00 AM         154       101 WINDSOR ST., HARTFORD, CT       06101       2:00       MUST USE LT CHASSIS AT DEST.       8:00 AM         155       2       2:00       MUST USE LT CHASSIS AT DEST.       9:00 AM       8:00 AM         155       2:00       2:00       MUST USE LT CHASSIS AT DEST.       9:00 AM       9:00 AM       9:00 AM       9:00 AM<	137			46NE1490420	45870	22.00	MUST USE LT CHASSIS AT DEST.	11:00 AM
139       46NE1490420       45870       22.00       MUST USE LT CHASSIS AT DEST.       8:00 AM         140       46NE1490426       45870       22.00       MUST USE LT CHASSIS AT DEST.       10:00 AM         141       44365       88.00       **ONE TIME ONLY**       3:05 PM         142       43000       114.00       7:30 AM         143       5004       848.00       3:35 PM         144       46NE1490426       45870       22.00       MUST USE LT CHASSIS AT DEST.       9:00 AM         152       430 MAIN ST, OXFORD, MA       01540       1       1       8:00 AM         153       101 WINDSOR ST., HARTFORD, CT       06101       1       1       8:30 AM         155       101 WINDSOR ST., HARTFORD, CT       06101       1       1       1       8:00 AM         156       101 WINDSOR ST., HARTFORD, CT       06101       1       1       1       8:00 AM         156       101 WINDSOR ST., HARTFORD, CT       06101       1       1       1       8:00 AM         156       101 WINDSOR ST., HARTFORD, CT       06101       1       1       10:00 AM       10:00 AM         157       1 CAROL PL, MOONACHE, NU       07074       1       10:00 AM	138			46NE1490426	45870	22.00	MUST USE LT CHASSIS AT DEST.	1:00 PM
140       46NE1490426       45870       22.00       MUST USE LT CHASSIS AT DEST.       10:00 AW         141       44365       88.00       **ONE TIME ONLY**       3:05 PM         142       43000       114.00       7:30 AM         143       5004       848.00       3:35 PM         144       46NE1490426       45870       22.00       MUST USE LT CHASSIS AT DEST.       9:00 AM         152       430 MAIN ST, OXFORD, MA       01540       200       MUST USE LT CHASSIS AT DEST.       9:00 AM         153       6       2       2       0       MUST USE LT CHASSIS AT DEST.       9:00 AM         154       101 WINDSOR ST., HARTFORD, CT       06101       2       2       0       MUST USE LT CHASSIS AT DEST.       8:00 AM         155       2       2       2       0       MUST USE LT CHASSIS AT DEST.       9:00 AM         154       101 WINDSOR ST., HARTFORD, CT       06101       2       2       3:00 AM       8:00 AM         155       2       2       2       2       2       3:00 AM       8:00 AM         155       2       2       2       2       2       3:00 AM       10:00 AM         156       2       2	139			46NE1490420	45870	22.00	MUST USE LT CHASSIS AT DEST.	8:00 AM
141       44365       88.00       **ONE TIME ONLY**       3.05 PM         142       43000       114.00       7.30 AM         143       5004       848.00       3.35 PM         144       46NE1490426       45870       22.00       MUST USE LT CHASSIS AT DEST.       9.00 AM         152       430 MAIN ST, OXFORD, MA       01540       01540       800 AM       800 AM         153       0       0       0       535 PM       800 AM       535 PM         154       101 WINDSOR ST., HARTFORD, CT       06101       0       800 AM       800 AM         155       0       0       0       0       800 AM       800 AM         155       0       0       0       0       800 AM       800 AM         155       0       0       0       0       800 AM       800 AM         155       0       0       0       0       800 AM       800 AM         156       WADE BLVD, MILLVILE, NU       08332       0       0       000 AM       400 AM         158       1 CAROL PL, MOONACHE, NU       07074       0       0       405 AM       405 AM         159       159 HANSE AME, FREEPORT, NY	140			46NE1490426	45870	22.00	MUST USE LT CHASSIS AT DEST.	10:00 AM
142       43000       114.00       7:30 AM         143       5004       848.00       3:35 PM         144       46NE1490426       45870       22:00       MUST USE LT CHASSIS AT DEST.       9:00 AM         152       430 MAIN ST, OXFORD, MA       01540       01540       8:00 AM         153       0       01540       5:35 PM       8:00 AM         154       101 WINDSOR ST., HARTFORD, CT       06101       6:00 AM       5:35 PM         155       0       0       0       8:00 AM       8:00 AM         155       0       0       0       0       8:00 AM       10:00 AM         156       WADE BLVD, MILLVILLE, NJ       08:32       0       0       8:00 AM       10:00 AM         157       1 CAROL PL, MOONACHE, NJ       07074       0       0       4:05 PM       10:00 AM         158       1 CAROL PL, MOONACHE, NJ       07074       0       0       4:05 PM       12:05 PM         159       159 HANSE AVE, FREEPORT, NY       11520       0       0       2:00 PM       2:00 PM	141	1			44365	88.00	**ONE TIME ONLY**	3:05 PM
143       5004       848.00       3.35 PM         144       46NE1490426       45870       22.00       MUST USE LT CHASSIS AT DEST.       9:00 AM         152       430 MAIN ST, OXFORD, MA       01540       6       6:00 AM       8:00 AM         153       6       6       6:00 AM       5:35 PM       8:00 AM         154       101 WINDSOR ST., HARTFORD, CT       06101       6:00 AM       6:00 AM         155       6       6       6:00 AM       8:00 AM         155       8:00 AM       10:00 AM       8:00 AM       8:00 AM         156       8:32       6       6:00 AM       8:00 AM         157       1 CAROL PL, MOONACHE, NU       08:332       6       8:00 AM         158       1 CAROL PL, MOONACHE, NU       07:074       6       4:05 PM         159       159 HANSE AVE, FREEPORT, NY       11520       6       2:00 PM         161       6       6       6       2:00 PM       2:00 PM	142				43000	114.00		7:30 AM
144       46NE1490426       45870       22.00       MUST USE LT CHASSIS AT DEST.       9:00 AM         152       430 MAIN ST, OXFORD, MA       01540       6       6       8:00 AM         153       101 WINDSOR ST., HARTFORD, CT       06101       6       6       8:30 AM         155       6       6       6       6       8:30 AM         156       WADE BLVD, MILLVILLE, NJ       08332       6       6       8:00 AM         157       1 CAROL PL, MOONACHE, NJ       07074       6       6       4:05 PM         158       1 CAROL PL, MOONACHE, NJ       07074       6       6       4:05 PM         159       159 HANSE AVE, FREEPORT, NY       11520       6       6       2:00 PM	143		1		5004	848.00		3:35 PM
152       430 MAIN ST, OXFORD, MA       01540       8:00 AM         153       5:35 PM         154       101 WINDSOR ST., HARTFORD, CT       06101       8:30 AM         155       6       8:00 AM         156       WADE BLVD, MILLVILLE, NJ       08332       10:00 AM         157       1 CAROL PL, MOONACHE, NJ       07074       4:05 AM         158       1 CAROL PL, MOONACHE, NJ       07074       12:05 PM         159       159 HANSE AVE, FREEPORT, NY       11520       12:05 PM         161       0       0       000000000000000000000000000000000000	144			46NE1490426	45870	22.00	MUST USE LT CHASSIS AT DEST.	9:00 AM
153       5.35 PM         154       101 WINDSOR ST., HARTFORD, CT       06101       8:30 AM         155       8       8:00 AM         156       WADE BLVD, MILLVILLE, NJ       08332       10:00 AM         157       1 CAROL PL, MOONACHE, NJ       07074       4:05 AM         158       1 CAROL PL, MOONACHE, NJ       07074       12:05 PM         159       159 HANSE AVE, FREEPORT, NY       11520       12:05 PM	152	430 MAIN ST, OXFORD, MA	01540					8:00 AM
154       101 WINDSOR ST., HARTFORD, CT       06101       8.30 AM         155       8.00 AM       8.00 AM         156       WADE BLVD, MILLVILLE, NJ       08332       10:00 AM         157       1 CAROL PL, MOONACHE, NJ       07074       4:05 AM         158       1 CAROL PL, MOONACHE, NJ       07074       4:05 PM         159       159 HANSE AVE, FREEPORT, NY       11520       12:05 PM         161       200 PM       200 PM       200 PM	153				1	1		5:35 PM
155       Image: State of the	154	101 WINDSOR ST., HARTFORD, CT	06101			1		8.30 AM
156       WADE BLVD, MILLVILLE, NJ       08332       10:00 AM         157       1 CAROL PL, MOONACHIE, NJ       07074       4:05 AM         158       1 CAROL PL, MOONACHIE, NJ       07074       4:05 PM         159       159 HANSE AVE, FREEPORT, NY       11520       12:05 PM         161       2:00 PM       2:00 PM       2:00 PM	155				1			8:00 AM
157       1 CAROL PL, MOONACHIE, NJ       07074       4:05 AM         158       1 CAROL PL, MOONACHIE, NJ       07074       4:05 PM         159       159 HANSE AVE, FREEPORT, NY       11520       12:05 PM         161       2:00 PM       2:00 PM       2:00 PM	156	WADE BLVD. MILLVILLE, NU	08332			1		10.00 AM
158         1 CAROL PL, MOONACHIE, NJ         07074         4:05 PM           159         159 HANSE AVE, FREEPORT, NY         11520         12:05 PM           161         2:00 PM         2:00 PM         2:00 PM	157	1 CAROL PL MOONACHIE NJ	07074					4:05 AM
159 159 HANSE AVE, FREEPORT, NY 11520 1200 PM	158	1 CAROL PL MOONACHIE NJ	07074					4:05 PM
161 200 PM	159	159 HANSE AVE FREEPORT NY	11520	1				1205 PM
	161			<b> </b>				200 PM

ID	NOT DATE	NOT TIME	SCH DATE	SCHTIME	DRIVER	OPERATION	PWR DET	TRL DET
115	5/7/94	6:00 AM	5/10/94	800	MIGUEL	DROP AND PULL		
116	5/7/94	6:00 AM	5/10/94	1205	MIGUEL	DROP AND PULL		
117	5/9/94	6:00 AM	5/10/94	930	GABE A.	WAIT	220	5.5 HOURS
118	5/9/94	6:00 AM	5/10/94	1305	HENRY	WAIT		
119	5/9/94	6:00 AM	5/10/94	1100	ROBERT W.	DROP AND PULL		
120	5/9/94	6:00 AM	5/10/94	800	VAZ	DROP AND PULL		
121	5/9/94	6:00 AM	5/10/94	1405	JACK R	DROP AND PULL		
122	5/9/94	6:00 AM	5/10/94	730	JOHN N.	WAIT		
123	5/9/94	6:00 AM	5/10/94	1030	TONY M.	DROP AND PULL		
126	5/9/94	6:00 AM	5/10/94	900	DENNIS W.	WAIT	60	1.5 HOURS
127	5/7/94	6:00 AM	5/11/94	1330	JOHN N.	DROP AND PULL		
128	5/7/94	6:00 AM	5/11/94	800	PAUL H.	DROP AND PULL		
129	5/7/94	6:00 AM	5/11/94	900	JOEL	DROP AND PULL		
130	5/10/94	6:00 AM	5/11/94	1300	TONY M.	DROP AND PULL		
132	5/11/94	6:00 AM	5/12/94	1030	DAVID I	WAIT		
133	5/11/94	6:00 AM	5/12/94	900	ANTON I.	DROP AND PULL		
134	5/7/94	6:00 AM	5/12/94	900	JACK R	DROP AND PULL		
135	5/10/94	6:00 AM	5/12/94	800	PAUL H.	DROP AND PULL		
136	5/11/94	6:00 AM	5/12/94	1000	TONY M.	DROP AND PULL		
137	5/11/94	6:00 AM	5/12/94	1100	JOHN N.	DROP AND PULL		
138	5/11/94	6:00 AM	5/12/94	1300	GABE A.	DROP AND PULL		
139	5/10/94	6:00 AM	5/13/94	800	PAUL H.	DROP AND PULL		
140	5/11/94	6:00 AM	5/13/94	1000	TONY M.	DROP AND PULL		
141 -	5/12/94	6:00 AM	5/13/94	1505	VAZ	WAIT	40	1 HOUR
142	5/10/94	6:00 AM	5/13/94	730	JACK R	DROP AND PULL		
143	5/10/94	6:00 AM	5/13/94	1535	JOE	DROP AND PULL		
144	5/13/94	6:00 AM	5/13/94	900	GABE A.	DROP AND PULL		
152	4/26/94	6:00 AM	4/29/94	800	WESLEY K.	WAIT	100	2.5 HOURS
153	4/27/94	6:00 AM	4/29/94	1735	DENNIS W.	WAIT		
154	4/27/94	6:00 AM	5/2/94	830	ROBERT W.	WAIT	100	2.5 HOURS
155	4/28/94	6:00 AM	5/2/94	800	CRUZ	DROP AND PULL		
156	5/2/94	6:00 AM	5/3/94	1000	JACK R	WAIT	80	2 HOURS
157	5/2/94	6:00 AM	5/3/94	1605	TONY M.	DROP AND PULL		
158	5/2/94	6:00 AM	5/3/94	1605	ROBERT W.	DROP AND PULL		
159	4/26/94	6:00 AM	5/3/94	1205	DENNIS W.	DROP AND PULL		
161	5/3/94	6:00 AM	5/5/94	1400	JANUCZ F.	WAIT	100	2.5 HOURS

162         BINAU282644         PICK-UP         45         FREEPORT, NY         11520         NYH APT         BIN AMERICA         40         200           163         BINAU287027         DELIVERY         45         UNIVERSITY PARK, PA         16602         NYH APT         BIN AMERICA         1224         471           164         BINAU8280270         PICK-UP         45         POTTSVILLE, PA         17901         NYH APT         BIN AMERICA         122         651           165         BINAU280390         PICK-UP         45         BROOKLYN, NY         11232         NYH APT         BIN AMERICA         18         452           166         BINAU280590         DELLVERY         45         BRIGGEPORT, NJ         06014         NYH APT         BIN AMERICA         105         404           170         BINAU280540         DELLVERY         45         BRIGGEPORT, NJ         06014         NYH APT         BIN AMERICA         105         404           170         BINAU280540         DELLVERY         45         BIRIGEPORT, NJ         06104         NYH APT         BIN AMERICA         45         152           170         BINAU280560         DELLVERY         45         BIRIGEPORT, NJ         067165         NYH APT	ID	TRAILER/CONTAINER	STATUS	SIZE	DESTINATION	ZIP	ORGIN/RAMP	CARRIER	OW	RATE
163         BINAU287027         PICK-UP         45         MILLVILLE, NJ         06332         NYH APT         BN AMERICA         124         471           164         BINAU680273         DELIVERY         45         DIVIVERSITY PARK, PA         16602         NYH APT         BN AMERICA         125         667           165         BINAU280390         DELIVERY         45         POTTSVILLE, PA         17901         NYH APT         BN AMERICA         125         451           168         BINAU80399         PICK-UP         45         BROOKLYN, NY         11232         NYH APT         BN AMERICA         105         404           169         MDWU280096         DELIVERY         45         BRIDGEPORT, NJ         08014         NYH APT         BN AMERICA         105         404           170         BNAU280390         DELIVERY         45         LONG SLAND CITY, NY         11101         NYH APT         BN AMERICA         4152           171         BNAU280335         DELIVERY         45         NEWARK, NJ         07105         NYH APT         BN AMERICA         4152           172         BNAU280730         PICK-UP         45         OXTH HACKENSACK, NJ         07606         NYH APT         BN AMERICA         415	162	BNAU282644	PICK-UP	45	FREEPORT, NY	11520	NYH APT	BN AMERICA	40	200
164         BNAU680273         DELIVERY         45         UNIVERSITY PARK, PA         16002         NYH APT         BN AMERICA         226         667           165         MDWU280370         PICK-UP         45         POTTSVILLE PA         17901         NYH APT         BN AMERICA         125         451           166         BNAU284391         DELIVERY         45         BRIOGEPORT, NJ         08014         NYH APT         BN AMERICA         105         404           168         BNAU280506         DELIVERY         45         BRIOGEPORT, NJ         08014         NYH APT         BN AMERICA         105         404           170         BNAU280844         DELIVERY         45         BRIOGEPORT, NJ         08014         NYH APT         BN AMERICA         105         404           170         BNAU280843         DELIVERY         45         BURLINGTON, NJ         07105         NYH APT         BN AMERICA         45           1712         BNAU283035         DELIVERY         45         BURLINGTON, NJ         07105         NYH APT         BN AMERICA         11         68         343           171         BNAU280730         DELIVERY         45         BURLINGTON, NJ         07606         NYH APT <td< td=""><td>163</td><td>BNAU287027</td><td>PICK-UP</td><td>45</td><td>MILLVILLE, NJ</td><td>08332</td><td>NYH APT</td><td>BN AMERICA</td><td>124</td><td>471</td></td<>	163	BNAU287027	PICK-UP	45	MILLVILLE, NJ	08332	NYH APT	BN AMERICA	124	471
165         MDWU280370         PICK-UP         45         POTTSVILLE, PA         17901         NYH APT         BN AMERICA         125         451           166         BNAU284391         DELVERY         45         BROCKLYN, NY         11232         NYH APT         BN AMERICA         12         366           168         BNAU280509         DELVERY         45         BRIDGEPORT, NJ         08014         NYH APT         BN AMERICA         105         404           169         MDWU280096         DELVERY         45         BRIDGEPORT, NJ         08014         NYH APT         BN AMERICA         105         404           170         BNAU280364         DELVERY         45         LONG ISLAND CITY, NY         11101         NYH APT         BN AMERICA         45           171         BNAU280365         DELVERY         45         BURLINGTON, NJ         08016         NYH APT         BN AMERICA         45         33           173         BNAU2827910         DELVERY         45         BURLINGTON, NJ         08016         NYH APT         BN AMERICA         45         343           174         BNAU282730         PICK-UP         45         OXFORD, MA         01540         NYH APT         BN AMERICA         180 </td <td>164</td> <td>BNAU680273</td> <td>DELIVERY</td> <td>45</td> <td>UNIVERSITY PARK, PA</td> <td>16802</td> <td>NYH APT</td> <td><b>BN AMERICA</b></td> <td>226</td> <td>687</td>	164	BNAU680273	DELIVERY	45	UNIVERSITY PARK, PA	16802	NYH APT	<b>BN AMERICA</b>	226	687
166         BINAU284391         DELIVERY         45         HILLSIDE, NJ         07205         NYH APT         BIN AMERICA         8         152           167         BINAU803099         PICK-UP         45         BROOKLYN, NY         11232         NYH APT         BIN AMERICA         105         404           168         BINAU287500         DELIVERY         45         BRIDGEPORT, NJ         08014         NYH APT         BIN AMERICA         105         404           178         BNAU280644         DELIVERY         45         BRIDGEPORT, NJ         08014         NYH APT         BIN AMERICA         404           178         BNAU280643         DELIVERY         45         BURUINGTOTY         11101         NYH APT         BIN AMERICA         45           171         BNAU280305         DELIVERY         45         BURUINGTON, NJ         07105         NYH APT         BIN AMERICA         41         152           178         BNAU283035         DELIVERY         45         SOUTH HACKENSACK, NJ         07105         NYH APT         BIN AMERICA         41         162           178         BNAU2887910         DELIVERY         45         MULVILLE, NJ         07606         NYH APT         BIN AMERICA         183	165	MDWU280370	PICK-UP	45	POTTSVILLE, PA	17901	NYH APT	BN AMERICA	125	451
167       BNAUG80399       PICK-UP       45       BROOKLYN, NY       11232       NYH APT       BN AMERICA       105       404         168       BNAU280096       DELIVERY       45       BRIOGEPORT, NJ       08014       NYH APT       BN AMERICA       105       404         170       BNAU280396       DELIVERY       45       BRIOGEPORT, NJ       08014       NYH APT       BN AMERICA       117       366         171       BNAU280363       DELIVERY       45       NEWARK, NJ       07105       NYH APT       BN AMERICA       44       152         172       BNAU288350       DELIVERY       45       BURLINGTON, NJ       08016       NYH APT       BN AMERICA       44       152         173       BNAU288750       DELIVERY       45       SUTH HACKENSACK, NJ       07105       NYH APT       BN AMERICA       68       343         176       BNAU288750       DELIVERY       45       SUTH HACKENSACK, NJ       07606       NYH APT       BN AMERICA       68       343         176       BNAU288750       DELIVERY       45       CROMWELL, CT       06416       NYH APT       BN AMERICA       115       465         178       BNAU2802567       DELIVERY	166	BNAU284391	DELIVERY	45	HILLSIDE, NJ	07205	NYH APT	<b>BN AMERICA</b>	8	152
168         BNAU287500         DELIVERY         45         BRIDGEPORT, NJ         08014         NYH APT         BN AMERICA         105         404           169         MDWU280096         DELIVERY         45         BRIDGEPORT, NJ         08014         NYH APT         BN AMERICA         105         404           170         BNAU280844         DELIVERY         45         LONG ISLAND CITY, NY         11101         NYH APT         BN AMERICA         44         152           171         BNAU280363         DELIVERY         45         BURLINGTON, NJ         08016         NYH APT         BN AMERICA         45           173         BNAU283035         DELIVERY         45         NEWARK, NJ         07105         NYH APT         BN AMERICA         11         166           176         BNAU287910         DELIVERY         45         SOUTH HACKENSACK, NJ         07606         NYH APT         BN AMERICA         180         565           177         BNAU282567         DELIVERY         45         NEWARK, NJ         07105         NYH APT         BN AMERICA         124         471           178         BNAU280203         PICK-UP         45         NEWARK, NJ         07105         NYH APT         BN AMERICA         <	167	BNAU680399	PICK-UP	45	BROOKLYN, NY	11232	NYH APT	BN AMERICA	12	366
169         MDWU280096         DELLVERY         45         BRIOGEPORT, NJ         08014         NYH APT         ENAMERICA         105         404           170         BNAU280844         DELIVERY         45         LONG ISLAND CITY, NY         11101         NYH APT         BN AMERICA         17         366           171         BNAU283030         DELIVERY         45         BURUNGTON, NJ         00105         NYH APT         BN AMERICA         68         343           173         BNAU283035         DELIVERY         45         BURUNGTON, NJ         00106         NYH APT         BN AMERICA         41         152           174         BNAU288785         DELIVERY         45         BURUNGTON, NJ         00616         NYH APT         BN AMERICA         166         343           176         BNAU288700         PICK-UP         45         BURUNGTON, NJ         08332         NYH APT         BN AMERICA         180         565           177         BNAU880273         PICK-UP         45         MILUVILE, NJ         08332         NYH APT         BN AMERICA         141         152           178         BNAU280708         DELIVERY         45         MRUNUXLE, NJ         07105         NYH APT         BN AMERI	168	BNAU287500	DELIVERY	45	BRIDGEPORT, NJ	08014	NYH APT	BN AMERICA	105	404
T70         BNAU280844         DELIVERY         45         LONG ISLAND CITY, NY         11101         INTH APT         BN AMERICA         17         366           T71         BNAU283190         DELIVERY         45         NEWARK, NJ         07105         NYH APT         BN AMERICA         4         152           T73         BNAU283035         DELIVERY         45         NEWARK, NJ         07105         NYH APT         BN AMERICA         68         343           T73         BNAU283035         DELIVERY         45         SOUTH HACKENSACK, NJ         07606         NYH APT         BN AMERICA         68         343           T76         BNAU287910         DELIVERY         45         BURLINGTON, NJ         08016         NYH APT         BN AMERICA         18         68         343           T76         BNAU282730         PICK-UP         45         OXFORD, MA         01540         NYH APT         BN AMERICA         180         3665           T77         BNAU280573         PICK-UP         45         RENAVELL, NJ         08332         NYH APT         BN AMERICA         141         152           T8         BNAU280708         DELIVERY         45         REVARK, NJ         07105         NYH APT	169	MDWU280096	DELIVERY	45	BRIDGEPORT, NJ	08014	NYH APT	BN AMERICA	105	404
171         BNAU283190         DELIVERY         45         NEWARK, NJ         07105         NYH APT         BN AMERICA         44         152           172         BNAU286363         DELIVERY         45         BURLINGTON, NJ         08016         NYH APT         BN AMERICA         68         343           173         BNAU2880785         DELIVERY         45         SOUTH HACKENSACK, NJ         07105         NYH APT         BN AMERICA         14         152           174         BNAU288785         DELIVERY         45         SOUTH HACKENSACK, NJ         07606         NYH APT         BN AMERICA         68         343           176         BNAU2887910         DELIVERY         45         SOUTH HACKENSACK, NJ         07606         NYH APT         BN AMERICA         180         565           177         BNAU880273         PICK-UP         45         MILLVILLE, NJ         0832         NYH APT         BN AMERICA         115         465           178         BNAU280708         DELIVERY         45         CROMWELL, CT         06416         NYH APT         BN AMERICA         16         165           179         BNAU280732         DELIVERY         45         BRIDEOPORT, NJ         07501         NYH APT	170	BNAU280844	DELIVERY	45	LONG ISLAND CITY, NY	11101	NYH APT	<b>BN AMERICA</b>	17	366
172       BNAU2863G3       DELIVERY       45       BURLINGTON, NJ       08016       NYH APT       BN AMERICA       68       343         173       BNAU283035       DELIVERY       45       NEWARK, NJ       07105       NYH APT       BN AMERICA       4152         174       BNAU288795       DELIVERY       45       SOUTH HACKENSACK, NJ       07606       NYH APT       BN AMERICA       68       343         175       BNAU287910       DELIVERY       45       BURLINGTON, NJ       08016       NYH APT       BN AMERICA       68       343         176       BNAU288230       PICK-UP       45       OXFORD, MA       01540       NYH APT       BN AMERICA       116       66         177       BNAU680273       PICK-UP       45       CROMWELL, CT       06416       NYH APT       BN AMERICA       105       464         178       BNAU280708       DELIVERY       45       NEWARK, NJ       07105       NYH APT       BN AMERICA       105       404         181       BNAU280952       PICK-UP       45       BRIDGEPORT, NJ       08014       NYH APT       BN AMERICA       116       166         182       BNAU280773       DELIVERY       45       HAWTHORNE	171	BNAU283190	DELIVERY	45	NEWARK, NJ	07105	NYH APT	BN AMERICA	4	152
173       BNAU283035       DELIVERY       45       NEWARK, NJ       07105       NYH APT       BN AMERICA       4       152         174       BNAU288755       DELIVERY       45       SOUTH HACKENSACK, NJ       07606       NYH APT       BN AMERICA       163         175       BNAU289710       DELIVERY       45       BURLINGTON, NJ       08016       NYH APT       BN AMERICA       68       343         176       BNAU288230       PICK-UP       45       MILLVILLE, NJ       08332       NYH APT       BN AMERICA       124       471         178       BNAU2802677       DELIVERY       45       CROMWELL, CT       06416       NYH APT       BN AMERICA       145         179       BNAU280708       DELIVERY       45       BRIDGEPORT, NJ       08014       NYH APT       BN AMERICA       105       404         181       BNAU280477       DELIVERY       45       BRIDGEPORT, NJ       08014       NYH APT       BN AMERICA       16       166         182       BNAU280732       DELIVERY       45       HAWTHORNE, NJ       07501       NYH APT       BN AMERICA       16       166         184       BNAU280477       DELIVERY       45       HAWTHORNE, NJ	172	BNAU286363	DELIVERY	45	BURLINGTON, NJ	08016	NYH APT	BN AMERICA	68	343
174         BNAU288785         DELIVERY         45         SOUTH HACKENSACK, NJ         07606         NYH APT         BN AMERICA         11         166           175         BNAU28910         DELIVERY         45         BURLINGTON, NJ         08016         NYH APT         BN AMERICA         68         343           176         BNAU288230         PICK-UP         45         OXFORD, MA         01540         NYH APT         BN AMERICA         180         565           177         BNAU680273         PICK-UP         45         MILVILLE, NJ         08332         NYH APT         BN AMERICA         115         465           179         BNAU280567         DELIVERY         45         ROMWELL, CT         06416         NYH APT         BN AMERICA         115         465           180         BNAU280708         DELIVERY         45         BRIDGEPORT, NJ         07501         NYH APT         BN AMERICA         105         404           181         BNAU280952         PICK-UP         45         HAWTHORNE, NJ         07506         NYH APT         BN AMERICA         116         166           182         BNAU280732         DELIVERY         45         HAWTHORNE, NJ         07105         NYH APT         BN AMERICA<	173	BNAU283035	DELIVERY	45	NEWARK, NJ	07105	NYH APT	<b>BN AMERICA</b>	4	152
175         BNAU287910         DELIVERY         45         BURLINGTON, NJ         08016         NYH APT         BN AMERICA         68         343           176         BNAU288230         PICK-UP         45         OXFORD, MA         01540         NYH APT         BN AMERICA         180         565           177         BNAU2822567         DELIVERY         45         MILLVILLE, NJ         08332         NYH APT         BN AMERICA         1124         471           178         BNAU282567         DELIVERY         45         NEWARK, NJ         07105         NYH APT         BN AMERICA         145           180         BNAU280708         DELIVERY         45         BRIOCEPORT, NJ         08014         NYH APT         BN AMERICA         105         404           181         BNAU280477         DELIVERY         45         HAWTHORNE, NJ         07506         NYH APT         BN AMERICA         115         166           183         BNAU280477         DELIVERY         45         DAVVILLE, CT         06241         NYH APT         BN AMERICA         174         546           184         BNAU280732         DELIVERY         45         DAVVILLE, CT         06241         NYH APT         BN AMERICA         174 <td>174</td> <td>BNAU288785</td> <td>DELIVERY</td> <td>45</td> <td>SOUTH HACKENSACK, NJ</td> <td>07606</td> <td>NYH APT</td> <td><b>BN AMERICA</b></td> <td>11</td> <td>166</td>	174	BNAU288785	DELIVERY	45	SOUTH HACKENSACK, NJ	07606	NYH APT	<b>BN AMERICA</b>	11	166
176         BNAU288230         PICK-UP         45         OXFORD, MA         01540         NYH APT         BN AMERICA         180         565           177         BNAU680273         PICK-UP         45         MILLVILE, NJ         08332         NYH APT         BN AMERICA         124         471           178         BNAU280708         DELIVERY         45         CROMWELL, CT         06416         NYH APT         BN AMERICA         115         465           180         BNAU280708         DELIVERY         45         BRIDGEPORT, NJ         07105         NYH APT         BN AMERICA         105         404           181         BNAU280708         DELIVERY         45         PATERSON, NJ         07501         NYH APT         BN AMERICA         16         166           182         BNAU280477         DELIVERY         45         PATERSON, NJ         07506         NYH APT         BN AMERICA         174         546           183         BNAU282732         DELIVERY         45         DAYVILLE, CT         06241         NYH APT         BN AMERICA         175         166           184         BNAU282732         DELIVERY         45         NEWARK, NJ         07105         NYH APT         BN AMERICA	175	BNAU287910	DELIVERY	45	BURLINGTON, NJ	08016	NYH APT	<b>BN AMERICA</b>	68	343
177         BNAU680273         PICK-UP         45         MILLVILLE, NJ         08332         NYH APT         BN AMERICA         124         471           178         BNAU282567         DELIVERY         45         CROMWELL, CT         06416         NYH APT         BN AMERICA         115         465           179         BNAU280708         DELIVERY         45         NEWARK, NJ         07105         NYH APT         BN AMERICA         105           180         BNAU680239         DELIVERY         45         PATERSON, NJ         07501         NYH APT         BN AMERICA         165         404           181         BNAU280772         DELIVERY         45         HAWTHORNE, NJ         07506         NYH APT         BN AMERICA         16         166           182         BNAU280477         DELIVERY         45         DAYVILLE, CT         06241         NYH APT         BN AMERICA         174         546           184         BNAU280909         PICK-UP         45         FALL RIVER, MA         02722         NYH APT         BN AMERICA         4         152           186         BNAU280902         PICK-UP         45         BENSALEM, PA         19020         NYH APT         BN AMERICA         162	176	BNAU288230	PICK-UP	45	OXFORD, MA	01540	NYH APT	<b>BN AMERICA</b>	180	565
178         BNAU282567         DELIVERY         45         CROMWELL, CT         06416         NYH APT         BN AMERICA         115         465           179         BNAU280708         DELIVERY         45         NEWARK, NJ         07105         NYH APT         BN AMERICA         4         152           180         BNAU280708         DELIVERY         45         BRIDGEPORT, NJ         08014         NYH APT         BN AMERICA         4         152           181         BNAU280952         PICK-UP         45         PATERSON, NJ         07506         NYH APT         BN AMERICA         16         166           182         BNAU280957         DELIVERY         45         DAYVILLE, CT         06241         NYH APT         BN AMERICA         174         546           183         BNAU28248         DELIVERY         45         FALL RIVER, MA         02722         NYH APT         BN AMERICA         45         6626           186         BNAU28248         DELIVERY         45         NEWARK, NJ         07105         NYH APT         BN AMERICA         49         364           186         BNAU280902         PICK-UP         45         NEWARK, NJ         07105         NYH APT         BN AMERICA	177	BNAU680273	PICK-UP	45	MILLVILLE, NJ	08332	NYH APT	<b>BN AMERICA</b>	124	471
179       BNAU280708       DELIVERY       45       NEWARK, NJ       07105       NYH APT       BN AMERICA       4       152         180       BNAU680239       DELIVERY       45       BRIDGEPORT, NJ       08014       NYH APT       BN AMERICA       105       404         181       BNAU289952       PICK-UP       45       PATERSON, NJ       07501       NYH APT       BN AMERICA       16       166         182       BNAU280952       DELIVERY       45       HAWTHORNE, NJ       07506       NYH APT       BN AMERICA       15       166         183       BNAU287732       DELIVERY       45       DAYVILLE, CT       06241       NYH APT       BN AMERICA       174       546         184       BNAU282248       DELIVERY       45       NEWARK, NJ       07105       NYH APT       BN AMERICA       4       152         186       BNAU280902       PICK-UP       45       BENSALEM, PA       19020       NYH APT       BN AMERICA       132       471         188       BNAU280902       PICK-UP       45       DANBURY, CT       06098       NYH APT       BN AMERICA       132       471         188       BNAU280793       DELIVERY       45       DAN	178	BNAU282567	DELIVERY	45	CROMWELL, CT	06416	NYH APT	<b>BN AMERICA</b>	115	465
180         BNAU680239         DELIVERY         45         BRIDGEPORT, NJ         08014         NYH APT         BN AMERICA         105         404           181         BNAU289952         PICK-UP         45         PATERSON, NJ         07501         NYH APT         BN AMERICA         16         166           182         BNAU280477         DELIVERY         45         HAWTHORNE, NJ         07506         NYH APT         BN AMERICA         15         166           183         BNAU287732         DELIVERY         45         DAYVILLE, CT         06241         NYH APT         BN AMERICA         174         546           184         BNAU680099         PICK-UP         45         FALL RIVER, MA         02722         NYH APT         BN AMERICA         20         626           185         BNAU282248         DELIVERY         45         NEWARK, NJ         07105         NYH APT         BN AMERICA         49         152           186         BNAU280902         PICK-UP         45         BENSALEM, PA         19020         NYH APT         BN AMERICA         43         2471           188         BNAU28793         DELIVERY         45         CALVERTON, NY         11933         NYH APT         BN AMERICA	179	BNAU280708	DELIVERY	45	NEWARK, NJ	07105	NYH APT	<b>BN AMERICA</b>	4	152
181       BNAU289952       PICK-UP       45       PATERSON, NJ       07501       NYH APT       BN AMERICA       16       166         182       BNAU280477       DELIVERY       45       HAWTHORNE, NJ       07506       NYH APT       BN AMERICA       15       166         183       BNAU287732       DELIVERY       45       DAYVILLE, CT       06241       NYH APT       BN AMERICA       174       546         184       BNAU282030       PICK-UP       45       FALL RIVER, MA       02722       NYH APT       BN AMERICA       206       626         185       BNAU282248       DELIVERY       45       NEWARK, NJ       07105       NYH APT       BN AMERICA       4       152         186       BNAU280902       PICK-UP       45       BENSALEM, PA       19020       NYH APT       BN AMERICA       69       364         187       MDWU280411       DELIVERY       45       CALVERTON, NY       11933       NYH APT       BN AMERICA       166       523         188       BNAU28093       DELIVERY       45       DANBURY, CT       066810       NYH APT       BN AMERICA       174       461         190       MDWU280022       PICK-UP       45	180	BNAU680239	DELIVERY	45	BRIDGEPORT, NJ	08014	NYH APT	<b>BN AMERICA</b>	105	404
182         BNAU280477         DELIVERY         45         HAWTHORNE, NJ         07506         NYH APT         BN AMERICA         15         166           183         BNAU287732         DELIVERY         45         DAYVILLE, CT         06241         NYH APT         BN AMERICA         174         546           184         BNAU280799         PICK-UP         45         FALL RIVER, MA         02722         NYH APT         BN AMERICA         206         626           185         BNAU282248         DELIVERY         45         NEWARK, NJ         07105         NYH APT         BN AMERICA         4         152           186         BNAU280902         PICK-UP         45         BENSALEM, PA         19020         NYH APT         BN AMERICA         4         152           186         BNAU280411         DELIVERY         45         WINSTED, CT         06098         NYH APT         BN AMERICA         132         471           188         BNAU280411         PICK-UP         45         DANBURY, CT         066810         NYH APT         BN AMERICA         78         408           190         MDWU280022         PICK-UP         45         DURHAM, CT         06422         NYH APT         BN AMERICA	181	BNAU289952	PICK-UP	45	PATERSON, NJ	07501	NYH APT	<b>BN AMERICA</b>	16	166
183         BNAU287732         DELIVERY         45         DAYVILLE, CT         06241         NYH APT         BN AMERICA         174         546           184         BNAU680099         PICK-UP         45         FALL RIVER, MA         02722         NYH APT         BN AMERICA         206         626           185         BNAU282248         DELIVERY         45         NEWARK, NJ         07105         NYH APT         BN AMERICA         4         152           186         BNAU280902         PICK-UP         45         BENSALEM, PA         19020         NYH APT         BN AMERICA         69         364           187         MDWU280411         DELIVERY         45         WINSTED, CT         06098         NYH APT         BN AMERICA         132         471           188         BNAU287993         DELIVERY         45         CALVERTON, NY         11933         NYH APT         BN AMERICA         86         523           189         MDWU280022         PICK-UP         45         DANBURY, CT         06810         NYH APT         BN AMERICA         114         461           191         MDWU280022         PICK-UP         45         DURHAM, CT         06422         NYH APT         BN AMERICA <td< td=""><td>182</td><td>BNAU280477</td><td>DELIVERY</td><td>45</td><td>HAWTHORNE, NJ</td><td>07506</td><td>NYH APT</td><td><b>BN AMERICA</b></td><td>15</td><td>166</td></td<>	182	BNAU280477	DELIVERY	45	HAWTHORNE, NJ	07506	NYH APT	<b>BN AMERICA</b>	15	166
184         BNAU680099         PICK-UP         45         FALL RIVER, MA         02722         NYH APT         BN AMERICA         206         626           185         BNAU282248         DELIVERY         45         NEWARK, NJ         07105         NYH APT         BN AMERICA         4         152           186         BNAU280902         PICK-UP         45         BENSALEM, PA         19020         NYH APT         BN AMERICA         69         364           187         MDWU280411         DELIVERY         45         WINSTED, CT         06098         NYH APT         BN AMERICA         132         471           188         BNAU287993         DELIVERY         45         CALVERTON, NY         11933         NYH APT         BN AMERICA         86         523           189         MDWU280411         PICK-UP         45         DANBURY, CT         06810         NYH APT         BN AMERICA         174         461           190         MDWU280022         PICK-UP         45         DURHAM, CT         06422         NYH APT         BN AMERICA         105         404           192         MDWU280059         DELIVERY         45         BRIDGEPORT, NJ         08014         NYH APT         BN AMERICA         <	183	BNAU287732	DELIVERY	45	DAYVILLE, CT	06241	NYH APT	<b>BN AMERICA</b>	174	546
185         BNAU282248         DELIVERY         45         NEWARK, NJ         07105         NYH APT         BN AMERICA         4         152           186         BNAU280902         PICK-UP         45         BENSALEM, PA         19020         NYH APT         BN AMERICA         69         364           187         MDWU280411         DELIVERY         45         WINSTED, CT         06098         NYH APT         BN AMERICA         132         471           188         BNAU2807993         DELIVERY         45         CALVERTON, NY         11933         NYH APT         BN AMERICA         86         523           189         MDWU280411         PICK-UP         45         DANBURY, CT         06810         NYH APT         BN AMERICA         78         408           190         MDWU280022         PICK-UP         45         DURHAM, CT         06422         NYH APT         BN AMERICA         114         461           191         MDWU280059         DELIVERY         45         BRIDGEPORT, NJ         08014         NYH APT         BN AMERICA         105         404           192         MDWU280368         PICK-UP         45         CAMP HILL, PA         17011         NYH APT         BN AMERICA <t< td=""><td>184</td><td>BNAU680099</td><td>PICK-UP</td><td>45</td><td>FALL RIVER, MA</td><td>02722</td><td>NYH APT</td><td><b>BN AMERICA</b></td><td>206</td><td>626</td></t<>	184	BNAU680099	PICK-UP	45	FALL RIVER, MA	02722	NYH APT	<b>BN AMERICA</b>	206	626
186       BNAU280902       PICK-UP       45       BENSALEM, PA       19020       NYH APT       BN AMERICA       69       364         187       MDWU280411       DELIVERY       45       WINSTED, CT       06098       NYH APT       BN AMERICA       132       471         188       BNAU287993       DELIVERY       45       CALVERTON, NY       11933       NYH APT       BN AMERICA       86       523         189       MDWU280411       PICK-UP       45       DANBURY, CT       06810       NYH APT       BN AMERICA       78       408         190       MDWU280022       PICK-UP       45       DURHAM, CT       06422       NYH APT       BN AMERICA       114       461         191       MDWU280059       DELIVERY       45       BRIDGEPORT, NJ       08014       NYH APT       BN AMERICA       105       404         192       MDWU280368       PICK-UP       45       CAMP HILL, PA       17011       NYH APT       BN AMERICA       165       558         240       BNAU281327       PICK-UP       45       CAMP HILL, PA       17011       NYH APT       BN AMERICA       105       404         243       BNAU289734       PICK-UP       45	185	BNAU282248	DELIVERY	45	NEWARK, NJ	07105	NYH APT	<b>BN AMERICA</b>	4	152
187       MDWU280411       DELIVERY       45       WINSTED, CT       06098       NYH APT       BN AMERICA       132       471         188       BNAU287993       DELIVERY       45       CALVERTON, NY       11933       NYH APT       BN AMERICA       86       523         189       MDWU280411       PICK-UP       45       DANBURY, CT       06810       NYH APT       BN AMERICA       78       408         190       MDWU280022       PICK-UP       45       DURHAM, CT       06422       NYH APT       BN AMERICA       114       461         191       MDWU280059       DELIVERY       45       BRIDGEPORT, NJ       08014       NYH APT       BN AMERICA       105       404         192       MDWU280368       PICK-UP       45       CAMP HILL, PA       17011       NYH APT       BN AMERICA       165       558         240       BNAU281327       PICK-UP       45       CAMP HILL, PA       17011       NYH APT       BN AMERICA       165       558         242       MDWU280200       DELIVERY       45       BRIDGEPORT, NJ       08014       NYH APT       BN AMERICA       105       404         243       BNAU289734       PICK-UP       45	186	BNAU280902	PICK-UP	45	BENSALEM, PA	19020	NYH APT	<b>BN AMERICA</b>	69	364
188         BNAU287993         DELIVERY         45         CALVERTON, NY         11933         NYH APT         BN AMERICA         86         523           189         MDWU280411         PICK-UP         45         DANBURY, CT         06810         NYH APT         BN AMERICA         78         408           190         MDWU280022         PICK-UP         45         DURHAM, CT         06422         NYH APT         BN AMERICA         114         461           191         MDWU280059         DELIVERY         45         BRIDGEPORT, NJ         08014         NYH APT         BN AMERICA         105         404           192         MDWU280368         PICK-UP         45         CAMP HILL, PA         17011         NYH APT         BN AMERICA         165         558           240         BNAU281327         PICK-UP         45         CAMP HILL, PA         17011         NYH APT         BN AMERICA         165         558           242         MDWU280200         DELIVERY         45         BRIDGEPORT, NJ         08014         NYH APT         BN AMERICA         105         404           243         BNAU289734         PICK-UP         45         NO. HAVEN, CT         06473         NYH APT         BN AMERICA	187	MDWU280411	DELIVERY	45	WINSTED, CT	06098	NYH APT	<b>BN AMERICA</b>	132	471
189         MDWU280411         PICK-UP         45         DANBURY, CT         06810         NYH APT         BN AMERICA         78         408           190         MDWU280022         PICK-UP         45         DURHAM, CT         06422         NYH APT         BN AMERICA         114         461           191         MDWU280059         DELIVERY         45         BRIDGEPORT, NJ         08014         NYH APT         BN AMERICA         105         404           192         MDWU280368         PICK-UP         45         CAMP HILL, PA         17011         NYH APT         BN AMERICA         165         558           240         BNAU281327         PICK-UP         45         CAMP HILL, PA         17011         NYH APT         BN AMERICA         165         558           242         MDWU280200         DELIVERY         45         BRIDGEPORT, NJ         08014         NYH APT         BN AMERICA         105         404           243         BNAU280200         DELIVERY         45         BRIDGEPORT, NJ         08014         NYH APT         BN AMERICA         97         404           243         BNAU280706         PICK-UP         45         NO. HAVEN, CT         06473         NYH APT         BN AMERICA	188	BNAU287993	DELIVERY	45	CALVERTON, NY	11933	NYH APT	BN AMERICA	86	523
190         MDWU280022         PICK-UP         45         DURHAM, CT         06422         NYH APT         BN AMERICA         114         461           191         MDWU280059         DELIVERY         45         BRIDGEPORT, NJ         08014         NYH APT         BN AMERICA         105         404           192         MDWU280368         PICK-UP         45         CAMP HILL, PA         17011         NYH APT         BN AMERICA         165         558           240         BNAU281327         PICK-UP         45         CAMP HILL, PA         17011         NYH APT         BN AMERICA         165         558           242         MDWU280200         DELIVERY         45         BRIDGEPORT, NJ         08014         NYH APT         BN AMERICA         165         558           242         MDWU280200         DELIVERY         45         BRIDGEPORT, NJ         08014         NYH APT         BN AMERICA         105         404           243         BNAU289734         PICK-UP         45         NO. HAVEN, CT         06473         NYH APT         BN AMERICA         97         404           244         BNAU286706         PICK-UP         45         ELMWOOD PARK, NJ         07407         NYH APT         BN AMERICA<	189	MDWU280411	PICK-UP	45	DANBURY, CT	06810	NYH APT	BN AMERICA	78	408
191         MDWU280059         DELIVERY         45         BRIDGEPORT, NJ         08014         NYH APT         BN AMERICA         105         404           192         MDWU280368         PICK-UP         45         CAMP HILL, PA         17011         NYH APT         BN AMERICA         165         558           240         BNAU281327         PICK-UP         45         CAMP HILL, PA         17011         NYH APT         BN AMERICA         165         558           242         MDWU280200         DELIVERY         45         BRIDGEPORT, NJ         08014         NYH APT         BN AMERICA         165         558           243         BNAU280200         DELIVERY         45         BRIDGEPORT, NJ         08014         NYH APT         BN AMERICA         105         404           243         BNAU289734         PICK-UP         45         NO. HAVEN, CT         06473         NYH APT         BN AMERICA         97         404           244         BNAU286706         PICK-UP         45         ELMWOOD PARK, NJ         07407         NYH APT         BN AMERICA         15         166           244         BNAU280454         PICK-UP         45         CHESTER         PA         19013         NYH APT	190	MDWU280022	PICK-UP	45	DURHAM, CT	06422	NYH APT	BN AMERICA	114	461
192         MDWU280368         PICK-UP         45         CAMP HILL, PA         17011         NYH APT         BN AMERICA         165         558           240         BNAU281327         PICK-UP         45         CAMP HILL, PA         17011         NYH APT         BN AMERICA         165         558           242         MDWU280200         DELIVERY         45         BRIDGEPORT, NJ         08014         NYH APT         BN AMERICA         105         404           243         BNAU289734         PICK-UP         45         NO. HAVEN, CT         06473         NYH APT         BN AMERICA         97         404           244         BNAU286706         PICK-UP         45         ELMWOOD PARK, NJ         07407         NYH APT         BN AMERICA         15         166           245         DNAU286706         PICK-UP         45         CHESTER         PA         19013         NYH APT         BN AMERICA         15         166	191	MDWU280059	DELIVERY	45	BRIDGEPORT, NJ	08014	NYH APT	BN AMERICA	105	404
240         BNAU281327         PICK-UP         45         CAMP HILL, PA         17011         NYH APT         BN AMERICA         165         558           242         MDWU280200         DELIVERY         45         BRIDGEPORT, NJ         08014         NYH APT         BN AMERICA         105         404           243         BNAU289734         PICK-UP         45         NO. HAVEN, CT         06473         NYH APT         BN AMERICA         97         404           244         BNAU286706         PICK-UP         45         ELMWOOD PARK, NJ         07407         NYH APT         BN AMERICA         15         166           245         DNAU280454         DICK-UP         45         CHESTER PA         19013         NYH APT         DN AMERICA         102         404	192	MDWU280368	PICK-UP	45	CAMP HILL, PA	17011	NYH APT	BN AMERICA	165	558
242         MDWU280200         DELIVERY         45         BRIDGEPORT, NJ         08014         NYH APT         BN AMERICA         105         404           243         BNAU289734         PICK-UP         45         NO. HAVEN, CT         06473         NYH APT         BN AMERICA         97         404           244         BNAU286706         PICK-UP         45         ELMWOOD PARK, NJ         07407         NYH APT         BN AMERICA         15         166           245         DNAU280454         DICK UP         45         CHESTER PA         19013         NYH APT         DN AMERICA         102         404	240	BNAU281327	PICK-UP	45	CAMP HILL, PA	17011	NYH APT	<b>BN AMERICA</b>	165	558
243         BNAU289734         PICK-UP         45         NO. HAVEN, CT         06473         NYH APT         BN AMERICA         97         404           244         BNAU286706         PICK-UP         45         ELMWOOD PARK, NJ         07407         NYH APT         BN AMERICA         15         166           245         BNAU286706         PICK-UP         45         ELMWOOD PARK, NJ         07407         NYH APT         BN AMERICA         15         166           245         BNAU280454         DICK UP         45         CHESTER PA         19013         NYH APT         BN AMERICA         102         404	242	MDWU280200	DELIVERY	45	BRIDGEPORT, NJ	08014	NYH APT	BN AMERICA	105	404
244 BNAU286706 PICK-UP 45 ELMWOOD PARK, NJ 07407 NYH APT BN AMERICA 15 166	243	BNAU289734	PICK-UP	45	NO. HAVEN, CT	06473	NYH APT	BN AMERICA	97	404
DATE DNALLOSOASA DICK LID 45 CLESTED DA 10012 NVL ADT DNALEDICA 100 404	244	BNAU286706	PICK-UP	45	EI MWOOD PARK. NJ	07407	NYH APT	BN AMERICA	15	166
1745 IBNAU789434 - IPICK-UP 140 IGNEGTER, PA	245	BNAU289454	PICK-UP	45	CHESTER, PA	19013	NYH APT	BN AMERICA	102	404

ID	NAME	CADDRESS	C ZIP	THIRD PARTY
162	COLUMBIA CEMENT		1	MARK VII TRANSPORTATION
163	DURAND GLASS			ALLIANCE SHIPPERS
164	PENN			
165	CP LIGHTNING			
166	CUSTOM			
167	JAY IMPORTS	150 52ND ST, BROOKLYN, NY	11232	DISPATCH FREIGHT
168	BOISE CASCADE PAPER	306 CTR SQUARE RD PURELAND 1, BRIDGEPORT, NJ	08014	W. O. S. C. A.
169	BOISE CASCADE PAPER	306 CTR SQUARE RD PURELAND 1, BRIDGEPORT, NJ	08014	W. O. S. C. A.
170	PAUL			
171	GREGORY PACKING	247 ROME ST., NEWARK, NJ	07105	
172	GSA	1900 RIVER ROAD, BURLINGTON, NJ	08016	BOISE CASCADE INT FALLS MN
173	GREGORY PACKING	247 ROME ST., NEWARK, NJ	07105	APDS
174	SCHERER & SCHERER C/O AM SEAL	80 LEUNING STREET, SOUTH HACKENSACK, NJ	07606	ALLIANCE SHIPPERS
175	GSA	1900 RIVER ROAD, BURLINGTON, NJ	08016	BOISE CASCADE INT FALLS MN
176	LEGGETT & PLATT			MIDWEST GATEWAY
177	DURAND GLASS			ALLIANCE SHIPPERS
178	LITURGICAL PUBLICATIONS	5 PROGRESS DRIVE, CROMWELL, CT	06416	BOISE CASCADE INT FALLS MN
179	GREGORY PACKING	247 ROME ST., NEWARK, NJ	07105	APDS
180	BOISE CASCADE PAPER	306 CTR SQUARE RD PURELAND 1, BRIDGEPORT, NJ	08014	W. O. S. C. A.
181	I P CONTAINER CORP			IDI
182	PARADISE FRUIT	58-5TH, HAWTHORNE, NJ	07506	GST CORP
183	NATIONAL PATENT MEDICAL	349 LAKE RD, DAYVILE, CT	06241	TOLAN O' NEAL
184	DUROTEX			
185	GREGORY PACKING	247 ROME ST., NEWARK, NJ	07105	APDS
186	INTEGRITY			
187	REYNOLDS & REYNOLDS/WINST	157 COLEBROOK RIVER RD/RT, WINSTED, CT	06098	
188	DELALIO SOD FARMS	422 EDWARDS AVE, CALVERTON, NY	11933	LASER NETWORKING
189	FAIRFIELD			
190	DURHAM MFG		1	W. O. S. C. A
191	BOISE CASCADE PAPER	306 CTR SQUARE RD PURELAND 1, BRIDGEPORT, NJ	08014	W. O. S. C. A.
192	TRUE			
240	TRUE			
242	BOISE CASCADE PAPER	306 CTR SQUARE RD PURELAND 1, BRIDGEPORT, NJ	08014	BOISE CASCADE INT FALLS MN
243	MICHAEL SCHIAVONE & SONS			
244	MARCAL PAPER			
245	DEQUISSA CO			

ID	S ADDRESS	SZIP	PO#	WHT	PIECES	SPECIAL INSTRUCTIONS	TIME WINDOW
162	159 HANSE AVE, FREEPORT, NY	11520					12:00 PM
163	WADE BLVD, MILLMILE, NJ	08332					10:00 AM
164							7:00 AM
165							8:00 AM
166							9:00 AM
167							8:30 AM
168							3:00 PM
169							8:00 AM
170							8:30 AM
171							7:00 AM
172							9:00 AM
173							7:00 AM
174							12:05 PM
175							8:30 AM
176	430 MAIN ST, OXFORD, MA	01540					8:00 AM
177	WADE BLVD, MILLVILLE, NJ	08332					9.00 AM
178	· · · · · · · · · · · · · · · · · · ·						MA 00:8
179							7:00 AM
180							8:00 AM
181	864 E 25TH ST, PATERSON, NJ	07501					4:00 PM
182							10:00 AM
183							7:00 AM
184							11:00 AM
185	•						7:00 AM
186							8:00 AM
187							9:00 AM
188			_				6:00 AM
189			_				3:05 PM
190	84 MAIN ST, DURHAM, CT	06422		1			11:55 PM
191	· · · · · · · · · · · · · · · · · · ·						9:00 AM
192							3:30 PM
240							4:30 PM
242				1		2 STOP DELIVERY ** MUST USE LT CHASSIS AT DEST	9.00 AM
243							1205 PM
244							1:00 PM
245							235 PM

ID	NOT DATE	NOT TIME	SCH DATE	SCH TIME	DRIVER	OPERATION	PWR DET	TRL DET
162	5/2/94	6:00 AM	5/5/94	1505	DENNIS W.	DROP AND PULL		
163	5/4/94	6:00 AM	5/5/94	1000	CRUZ	WAIT	50	1.25 HOURS
164			5/5/94	800	JOHN N.	WAIT		
165			5/5/94	800	JACK R	WAIT	40	1 HOURS
166	5/4/94	6:00 AM	5/6/94	900	HENRY	WAIT	40	1 HOURS
167	5/2/94	6:00 AM	5/6/94	830	ZEKE	WAIT		
168	5/2/94	6:00 AM	5/6/94	1500	PAUL H.	DROP AND PULL		
169	5/2/94	6:00 AM	5/6/94	800	PAUL H.	DROP AND PULL		
170	5/5/94	6:00 AM	5/6/94	830	DENNIS W.	WAIT		
171	5/2/94	6:00 AM	5/6/94	700	TONY M.	WAIT		
172	5/5/94	6:00 AM	5/9/94	900	JERRY Z	DROP AND PULL		
173	5/2/94	6:00 AM	5/9/94	700	VAZ	WAIT	230	5.75 HOURS
174	5/4/94	6:00 AM	5/9/94	1205	HENRY	DROP AND PULL		
175	5/5/94	6:00 AM	5/9/94	830	TONY M.	DROP AND PULL		
176	5/4/94	6:00 AM	5/10/94	800		WAIT		
177	5/5/94	6:00 AM	5/10/94	900	JANUCZ F.	DROP AND PULL		
178	5/7/94	6:00 AM	5/10/94	800	JERRY Z	DROP AND PULL		
179	5/4/94	6:00 AM	5/10/94	700	ANTON I.	WAIT	300	7.5 HOURS
180	5/3/94	6:00 AM	5/10/94	800	PAUL H.	DROP AND PULL		
181	5/9/94	6:00 AM	5/10/94	1035	VAZ	DROP AND PULL		
182	5/9/94	6:00 AM	5/11/94	1000	DENNIS W.	WAIT	40	1 HOURS
183	5/5/94	6:00 AM	5/11/94	700	ROBERT W.	DROP AND PULL		
184	5/9/94	6:00 AM	5/11/94	1100	JACK R	DROP AND PULL		
185 ·	5/4/94	6:00 AM	5/11/94	700	VAZ	WAIT	160	4 HOURS
186	5/9/94	6:00 AM	5/11/94	800	GABE A.	WAIT	60	1.5 HOURS
187	5/11/94	6:00 AM	5/12/94	900	ROBERT W.	DROP AND PULL		
188	5/11/94	6:00 AM	5/12/94	600	JOEL	WAIT	110	2.75 HOURS
189	5/11/94	6:00 AM	5/12/94	1505	ROBERT W.	WAIT		
190	5/2/94	6:00 AM	5/12/94	2359	JOEL	WAIT		
191	5/11/94	6:00 AM	5/13/94	900	JOEL	DROP AND PULL		
192	5/11/94	6:00 AM	5/13/94	1830	GABE A.	WAIT		
240	5/13/94	6:00 AM	5/13/94	1630	ROBERT W.	WAIT		
242	4/25/94	6:00 AM	4/28/94	900	JOHN N.	DROP AND PULL		
243	5/4/94	6:00 AM	5/5/94	1405	ROBERT W.	WAIT		
244			5/12/94	1300	JACK R.	WAIT		
245			5/12/94	1435	JOHN N.	WAIT		

## **APPENDIX B**

## HEURISTIC ALGORITHM MODEL MACRO TO INITIATE SORTING ROUTINES

•

C:\TEMP\1HOUR.MDB	Monday, October 03, 1994
Macro: MACRO1	Page: 1
	•••

### Properties

Date Created:	11/9/94 12:23:21 PM	Last Updated:	12/21/94 7:54:40 PM
Owner:	admin		

## Actions

-	Conulton	Action	Argument	Value
		SetWarnings	Warnings On:	No
1	NO PROMPTS			
		ShowToolbar	Toolbar Name:	Palette
			Show:	No
-	DOES NOT SHOW TO	JOLBAR		
		ShowToolbar	Toolbar Name:	Toolbox
-	· · · · · · · · · · · · · · · · · · ·		Show:	No
		ShowToolbar	Toolbar Name:	Table Datasheet
-			Show:	No
		ShowToolbor	Taalbar Nama:	Detabase
		Show i doibai	Looibar Name.	Database
			Silow.	
		DoMenuitem	Menu Bar	Database
		Service	Menu Name:	Window
			Command:	Hide
			Command: Subcommand:	Hide
	DOES NOT SHOW W	VINDOW	Command: Subcommand:	Hide
-	DOES NOT SHOW N	VINDOW OpenQuery	Command: Subcommand: Query Name:	Hide RECORD 2
	DOES NOT SHOW W	OpenQuery	Command: Subcommand: Query Name: View:	Hide RECORD 2 Datasheet
-	DOES NOT SHOW W	VINDOW OpenQuery	Command: Subcommand: Query Name: View: Data Mode:	Hide RECORD 2 Datasheet Edit
-	DOES NOT SHOW N	VINDOW OpenQuery CORD" TO APEND	Command: Subcommand: Query Name: View: Data Mode: DATA TO FINAL RESULTS	Hide RECORD 2 Datasheet Edit
-	DOES NOT SHOW W	VINDOW OpenQuery CORD" TO APEND Close	Command: Subcommand: Query Name: View: Data Mode: DATA TO FINAL RESULTS Object Type:	Hide RECORD 2 Datasheet Edit Query
	DOES NOT SHOW W	VINDOW OpenQuery CORD" TO APEND Close	Command: Subcommand: Query Name: View: Data Mode: DATA TO FINAL RESULTS Object Type: Object Name:	Hide RECORD 2 Datasheet Edit Query RECORD 2
	DOES NOT SHOW W OPENS QUERY "REG CLOSES QUERY	VINDOW OpenQuery CORD" TO APEND Close	Command: Subcommand: Query Name: View: Data Mode: DATA TO FINAL RESULTS Object Type: Object Name:	Hide RECORD 2 Datasheet Edit Query RECORD 2
	DOES NOT SHOW W OPENS QUERY "REG CLOSES QUERY	VINDOW OpenQuery CORD* TO APEND Close OpenTable	Command: Subcommand: Query Name: View: Data Mode: DATA TO FINAL RESULTS Object Type: Object Name: Table Name:	Hide RECORD 2 Datasheet Edit Query RECORD 2 ZIP CODE SORTING FOR ALL 8 GROUPS
	DOES NOT SHOW W OPENS QUERY "REA CLOSES QUERY	VINDOW OpenQuery CORD" TO APEND Close OpenTable	Command: Subcommand: Query Name: View: Data Mode: DATA TO FINAL RESULTS Object Type: Object Name: Table Name: View:	Hide RECORD 2 Datasheet Edit Query RECORD 2 ZIP CODE SORTING FOR ALL 8 GROUPS Datasheet
	DOES NOT SHOW W OPENS QUERY "REA CLOSES QUERY	VINDOW OpenQuery CORD" TO APEND Close OpenTable	Command: Subcommand: Query Name: View: Data Mode: DATA TO FINAL RESULTS Object Type: Object Type: Object Name: Table Name: View: Data Mode:	Hide RECORD 2 Datasheet Edit Query RECORD 2 ZIP CODE SORTING FOR ALL E GROUPS Datasheet Edit
	DOES NOT SHOW W OPENS QUERY "REA CLOSES QUERY OPENS TABLE 'ZIPC	VINDOW OpenQuery CORD" TO APEND Close OpenTable	Command: Subcommand: Query Name: View: Data Mode: DATA TO FINAL RESULTS Object Type: Object Type: Object Name: Table Name: View: Data Mode: DR ALL 8 GROUPS' - TO PREP	Hide RECORD 2 Datasheet Edit Query RECORD 2 ZIP CODE SORTING FOR ALL 8 GROUPS Datasheet Edit
	DOES NOT SHOW W OPENS QUERY "REA CLOSES QUERY OPENS TABLE 'ZIPC	VINDOW OpenQuery CORD* TO APEND Close OpenTable CODE SORTING FC	Command: Subcommand: Query Name: View: Data Mode: DATA TO FINAL RESULTS Object Type: Object Type: Object Name: Table Name: View: Data Mode: Data Mode: DR ALL 8 GROUPS' - TO PREP Menu Bar:	Hide RECORD 2 Datasheet Edit Query RECORD 2 ZIP CODE SORTING FOR ALL 8 GROUPS Datasheet Edit Table Datasheet
	DOES NOT SHOW W OPENS QUERY "REA CLOSES QUERY OPENS TABLE 'ZIPC	VINDOW OpenQuery CORD" TO APEND Close OpenTable CODE SORTING FC DoMenultem	Command: Subcommand: Query Name: View: Data Mode: DATA TO FINAL RESULTS Object Type: Object Type: Object Name: Table Name: Table Name: View: Data Mode: DR ALL 8 GROUPS' - TO PREP Menu Bar: Menu Name:	Hide RECORD 2 Datasheet Edit Query RECORD 2 ZIP CODE SORTING FOR ALL 8 GROUPS Datasheet Edit Table Datasheet Edit
	DOES NOT SHOW W OPENS QUERY "REA CLOSES QUERY OPENS TABLE 'ZIPC	VINDOW OpenQuery CORD" TO APEND Close OpenTable CODE SORTING FC DoMenultem	Command: Subcommand: Query Name: View: Data Mode: DATA TO FINAL RESULTS Object Type: Object Type: Object Name: Table Name: View: Data Mode: DATA MODE: DAT	Hide RECORD 2 Datasheet Edit Query RECORD 2 ZIP CODE SORTING FOR ALL 8 GROUPS Datasheet Edit Table Datasheet Edit Select All Records

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CRO1		Page: 2
SELECTS ALL RECORDS TO PREPARE	TO DELETE	
DoMenuitem	Menu Bar:	Table Datasheet
	Menu Name:	Edit
	Command:	Delete
	Subcommand:	
DELETES ALL RECORDS, TABLE READ	Y FOR APPENDING	
Close	Object Type:	Table
	Object Name:	ZIP CODE SORTING FOR ALL 8
CLOSES TABLE DATASHEET		GROUPS
OpenQuery	Query Name:	ZONE 14 AND 11 PICKUP/DELIVERY MATCH
	View:	Datasheet
	Data Mode:	Edit
OPENS MATCHING ZONES 14 AND 11		
Close	Object Type:	Query
	Object Name:	ZONE 14 AND 11
CLOSES MATCHING ZONES 14 AND 11		PICKUP/DELIVERY MATCH
OpenQuery	Query Name:	ZONE 14 AND 12
1	,	PICKUP/DELIVERY MATCH
	View:	Datasheet
	Data Mode:	Edit
OPENS MATCHING ZONES 14 AND 12		
Close	Object Type:	Query
	Object Name:	ZONE 14 AND 12
CLOSES MATCHING ZONES 14 AND 12		PICKOP/DELIVERY MATCH
OpenQuery	Query Name:	ZONE 14 AND 13
		PICKUP/DELIVERY MATCH
	View:	Datasheet
OPENS MATCHING ZONES 14 AND 13	Data Mode:	Edit
Close	Object Type:	Query
	Object Name:	ZONE 14 AND 13
CLOSES MATCHING ZONES 14 AND 13		PICKUP/DELIVERY MATCH
OpenQuery	Query Name	ZONE LAND B ZIPCODE MATCH
opendally	View:	Datasheet
	Data Mode:	Edit
OPENS MATCHING ZONES 9 AND 2		
Close	Object Type:	Query
	Object Name:	ZONE I AND B ZIPCODE MATCH

RO1			Monday, October 03, 19 Page
	OpenQuery	Query Name:	ZONE C AND J(NEWARK)
		View:	Datasheet
		Data Mode:	Edit
PENS MATCHING Z	ONES 3 AND 10		
	Close	Object Type:	Query
		Object Name:	ZONE C AND J(NEWARK) ZIPCODE MATCH
LOSES MATCHING	ZONES 3 AND 10		
	OpenQuery	Query Name:	ZONE E AND F ZIPCODE MATCH
		View:	Datasheet
PENS MATCHING	ZONES 5 AND 6	Data Mode:	Edit
	Class	Object Turner	Auge
	Close	Object 1 ype:	
CLOSES MATCHING	ZONES 5 AND6	Object Name:	ZONE E AND F ZIPCODE MATCH
	OpenQuery	Query Name:	GROUP A ZIPCODE MATCH
		View:	Datasheet
		Data Mode:	Edit
OPENS ZONE 1			
	Close	Object Type:	Query
CLOSES ZONE 1		Object Name:	GROUP A ZIPCODE MATCH
	OpenQuery	Query Name:	GROUP B ZIPCODE MATCH
		View:	Datasheet
OPENS ZONE 2		Data Mode:	Ean
	Close	Object Type:	Query
		Object Name:	GROUP B ZIPCODE MATCH
CLOSES ZONE 2			
	OpenQuery	Query Name:	GROUP C ZIPCODE MATCH
		View	Datasheet
OPENS ZONE 3		Data Mode:	Edit
	Close	Object Type:	Query
		Object Name	GROUP C ZIPCODE MATCH
CLOSES ZONE 3			
	OpenQuery	Query Name:	GROUP D ZIPCODE MATCH
		View:	Datasheet
OPENS ZONE 4		Data Mode:	Edit
	Close	Object Type:	Query
		· · · · · · · · · · · · · · · · · · ·	

CLOSES ZONE 4			
	OpenQuery	Query Name: View:	GROUP E ZIPCODE MATCH Datasheet
OPENS ZONE 5		Data Mode:	Edit
	Close	Object Type:	Query
		Object Name:	GROUP E ZIPCODE MATCH
CLOSES ZONE 5		-	
	OpenQuery	Query Name:	GROUP F ZIPCODE MATCH
		View:	Datasheet
		Data Mode:	Edit
OPENS ZONE 6			
	Close	Object Type:	Query
		Object Name:	GROUP F ZIPCODE MATCH
CLOSES ZONE 6			
	OpenQuery	Query Name:	GROUP G ZIPCODE MATCH
		View:	Datasheet
		Data Mode:	Edit
OPENS ZONE 7			
	Close	Object Type:	Query
		Object Name:	GROUP G ZIPCODE MATCH
CLOSES ZONE 7	<u></u>	teachteannaithe ann an ann ann ann ann ann ann ann ann	
	OpenQuery	Query Name:	GROUP H ZIPCODE MATCH
		View:	Datasheet
		Data Mode:	Edit
OPENS ZONE 8			
	Close	Object Type:	Query
		Object Name:	GROUP H ZIPCODE MATCH
CLOSES ZONE 8			
	OpenQuery	Query Name:	GROUP I ZIPCODE MATCH
		View:	Datasheet
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	Close	Object Type:	Query
		Object Name:	GROUP I ZIPCODE MATCH
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	OpenTable	Table Name:	ZIP CODE SORTING FOR ALL 8 GROUPS
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	OpenQuery	Query Name:	6/5
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		Data Mode:	Edit
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	Close	Object Type:	Query
		Object Name:	6/5
CLOSES ZONE6/5			
	OpenQuery	Query Name:	4/5
		View:	Datasheet
		Data Mode:	Edit
UPENS ZONE 4/5			
	Close	Object Type:	Query
		Object Name:	4/5
CLOSES ZONE4/5			
	OpenQuery	Query Name:	5/4
		View:	Datasheet
		Data Mode:	Edit
OPENS ZONE 5/4			
	Close	Object Type:	Query
		Object Name:	5/4
CLOSES ZONE5/4			
	OpenQuery	Query Name:	4/7
		View:	Datasheet
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CLOSES ZONEAR		Object Name:	4/7
	OpenQuery	Query Name:	5/7
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	Close	Object Type:	0.000
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	Close	Object Type:	Query
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	OpenQuery	Query Name:	6/4
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	Close	Object Type:	Query
		Object Name:	6/4
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	OpenQuery	Query Name:	6/7
		View:	Datasheet
		Data Mode:	Edit
OPENS ZONE 2/9 - N	ORTH PAW		
	Close	Object Type:	Query
		Object Name:	2/9
CLOSES ZONE2/9			
	OpenQuery	Query Name:	1/2
		View:	Datasheet
		Data Mode:	Edit
OPENS ZONE 1/2			
	Close	Object Type:	Query
		Object Name:	1/2
CLOSES ZONE 1/2			
	OpenQuery	Query Name:	2/1
		View:	Datasheet
		Data Mode:	Edit
OPENS ZONE 2/1			
	Close	Object Type:	Query
		Object Name:	2/1
CLOSES ZONE 2/1			
	OpenQuery	Query Name:	2/8
		View:	Datasheet
		Data Mode:	Edit
OPENS ZONE 2/8			
	Close	Object Type:	Query
		Object Name:	2/8
CLOSES ZONE 2/8			
	OpenQuery	Query Name:	8/2
		View:	Datasheet
		Data Mode:	. Edit
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	Close	Object Type:	Query
		Object Name:	8/2
CLOSES ZONE8/2			
	OpenQuery	Query Name:	2/3
		View:	Datasheet
		Data Mode:	Edit
OPENS ZONE 2/3			
	Close	Object Type:	Query
		Object Name:	2/3
CLOSES ZONE 2/3			
	OpenQuery	Query Name:	3/2
		View:	Datasheet
		Data Mode:	Edit
OPENS ZONE 3/2			
	Close	Object Type:	Query
		Object Name:	3/2
CLOSES ZONE 3/2			
	OpenQuery	Query Name:	8/3
		View:	Datasheet
		Data Mode:	Edit
OPENS ZONE 8/3			
	Close	Object Type:	Query
		Object Name:	8/3
CLOSES ZONE 8/3			
	OpenQuery	Query Name:	3/8
	. ,	View:	Datasheet
		Data Mode:	Edit
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Close Object Type: Query Object Name: 3/8 CLOSES ZONE3/8 1/3 OpenQuery Query Name: View: Datasheet Data Mode: Edit OPENS ZONE 1/3 Object Type: Close Query Object Name: 1/3 CLOSES ZONE1/3 Query Name: 3/1 OpenQuery View: Datasheet Data Mode: Edit OPENS ZONE 3/1

Object Type:

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Query

ACRO1			Monday, October 03, 1994 Page: 8
CLOSES ZONE 3/1		Object Name:	3/1
	OpenQuery	Query Name:	1/8
		View:	Datasheet
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OPENS ZONE 1/8			
	Close	Object Type:	Query
		Object Name:	1/8
CLOSES ZONE 1/8			
	OpenQuery	Query Name:	8/1
		View:	Datasheet
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	Close	Object Type:	Query
		Object Name:	8/1
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	OpenQuery	Query Name:	9/8
		View:	Datasheet
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OPENS ZONE 9/8			
	Close	Object Type:	Query
		Object Name:	9/8
CLOSES ZONE 9/8			
	OpenQuery	Query Name:	8/9
		View:	Datasheet
		Data Mode:	Edit
OPENS ZONE 8/9			
	Close	Object Type:	Query
		Object Name:	8/9
CLOSES ZONE 8/9			
	OpenQuery	Query Name:	1/9
		View:	Datasheet
		Data Mode:	Edit
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	Close	Object Type:	Query
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	OpenQuery	Query Name:	9/1
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	Close	Object Type:	. Query
		Object Name:	3/1

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	OpenQuery	Query Name:	3/9	
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	Close	Object Type:	Query	
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	Close	Object Type:	Query	
		Object Name:	2/7	
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	Close	Object Type:	Query	
		Object Name:	9/7	
CLOSES ZONE 9/7				
	OpenQuery	Query Name:	1/4	
		View:	Datasheet	
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	Close	Object Type:	Query	
		Object Name:	4/1	
CLOSES ZONE 1/4				
	OpenQuery	Query Name:	2/4	
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	Close	Object Type:	Query	
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	Close	Object Type:	Query	
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		Object Name:	1/6	
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	OpenQuery	Query Name:	2/6	
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	Close	Object Type:	Query	
		Object Name:	9/5	
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	OpenQuery	Query Name:	6/7	
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	Close	Object Type:	Query	
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	OpenQuery	Query Name:	4/2	
		View:	Datasheet	
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	OpenQuery	Query Name:	4/8
		View:	Datasheet
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OPENS ZONE 4/8			
	Close	Object Type:	Query
		Object Name:	4/8
CLOSES ZONE 4/8			
	OpenQuery	Query Name:	4/9
		View:	Datasheet
		Data Mode:	Edit
OPENS ZONE 4/9			
	Close	Object Type:	Query
		Object Name:	4/9
CLOSES ZONE 4/9			
	OpenQuery	Query Name:	6/1
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OPENS ZONE 6/1			
	Close	Object Type:	Query
		Object Name:	6/1
CLOSES ZONE 6/1			
	OpenQuery	Query Name:	6/2
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	Close	Object Type:	Query
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	OpenQuery	Query Name:	6/9
		View:	Datasheet
		Data Mode:	Edit
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CLOSES ZONE 6/9			
	OpenQuery	Query Name:	5/1
		View:	Datasheet
		Data Mode:	Edit
OPENS ZONE 5/1			
	Close	Object Type:	Query
		Object Name:	5/1
CLOSES ZONE 5/1			
	OpenQuery	Query Name:	5/2
		View:	Datasheet
		Data Mode:	Edit
OPENS ZONE 5/2			
	Close	Object Type:	Query
		Object Name:	5/2
CLOSES ZONE 5/2			
	OpenQuery	Query Name:	5/3
		View:	Datasheet
		Data Mode:	Edit
OPENS 20NE 5/3			
	Close	Object Type:	Query
		Object Name:	5/3
CLOSES ZONE 5/3			
	OpenQuery	Query Name:	5/8
		View:	Datasheet
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OPENS ZONE 5/8			
	Ciose	Object Type:	Query
		Object Name:	5/8
CLOSES ZONE 5/8			
	OpenQuery	Query Name:	5/9
		View:	Datasheet
		Data Mode:	Edit
OPENS ZONE 5/9			
	Close	Object Type:	Query

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CLOSES ZONE 5/9	Object Name:	5/9
	StopMacro	
User Permissions		
admin guest	Delete, Read Permissions, Set Permissions, C	Change Owner
Group Permissions		

# Admins

Guests Users

Delete, Read Permissions, Set Permissions, Change Owner

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## **APPENDIX C**

## HEURISTIC ALGORITHM MODEL: SORTING ROUTINES

.

**'ZONAL DIVISION 1** 'Zonal Division 1 (Group A) consists of: Brattleboro, Vt SELECT DISTINCTROW [PTLFINAL - NEW DATA SET].ID, [PTLFINAL - NEW DATA SET]. DESTINATION, [PTLFINAL - NEW DATA SET]. ZIP, [PTLFINAL -NEW DATA SET] [TRAILER/CONTAINER], [PTLFINAL - NEW DATA SET] STATUS, [PTLFINAL - NEW DATA SET]. [SCH DATE], [PTLFINAL - NEW DATA SET] [SCH TIME] FROM [PTLFINAL - NEW DATA SET] WHERE (([PTLFINAL - NEW DATA SET].ZIP="where" Or [PTLFINAL - NEW DATA SET].ZIP="05301")) ORDER BY [PTLFINAL - NEW DATA SET].ZIP; **'DELIVERIES** SELECT DISTINCTROW [Group A].ID, [Group A].[TRAILER/CONTAINER], [Group A].STATUS, [Group A].DESTINATION, [Group A].ZIP, [Group A].[SCH DATE], [Group A].[SCH TIME] FROM [Group A] WHERE (([Group A] STATUS Like "D\*")) ORDER BY [Group A]. [SCH DATE], [Group A]. [SCH TIME]; 'PICKUPS SELECT DISTINCTROW [Group A].ID, [Group A].[TRAILER/CONTAINER], [Group A] STATUS, [Group A] DESTINATION, [Group A].ZIP, [Group A].[SCH DATE], [Group A].[SCH TIME] FROM [Group A] WHERE (([Group A].STATUS Like "P\*")) ORDER BY [Group A]. [SCH DATE], [Group A]. [SCH TIME]; **'APPEND** INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] (ID DELIVERY. ID PICKUP, [TRAILER/CONTAINER DELIVERY], [TRAILER/CONTAINER PICKUP], DESTINATION DELIVERY, ZIP DELIVERY, DESTINATION PICKUP, ZIP PICKUP, [SCH DATE DELIVERY], [SCH TIME DELIVERY], [SCH TIME PICKUP]) SELECT DISTINCTROW [Group A Deliveries].ID, [Group A Pick-ups].ID, [Group A Deliveries].[TRAILER/CONTAINER], [Group A Pick-ups].[TRAILER/CONTAINER], [Group A Deliveries] DESTINATION, [Group A Deliveries] ZIP, [Group A Pickups].DESTINATION, [Group A Pick-ups].ZIP, [Group A Deliveries].[SCH DATE], [Group A Deliveries]. [SCH TIME], [Group A Pick-ups]. [SCH TIME] FROM [Group A Pick-ups] INNER JOIN [Group A Deliveries] ON [Group A Pickups].[SCH DATE] = [Group A Deliveries].[SCH DATE] WHERE ((([Group A Pick-ups]![SCH TIME]-[Group A Deliveries]![SCH TIME)>180.72)) ORDER BY [Group A Deliveries]. [SCH DATE], [Group A Deliveries]. [SCH TIME], [Group A Pick-ups] [SCH TIME]; END;

'ZONAL DIVISION 2

<sup>2</sup>Zonal Division (Group B) consists of Dayville, Ct; Oxford, Ma; Hartford, Ct; Cromwell, 'Ct; Winsted, Ct; Meriden, Ct; Durham, Ct; Waterbury, Ct; Cheshire, Ct SELECT DISTINCTROW [PTLFINAL - NEW DATA SET].ID, [PTLFINAL - NEW DATA SET]. DESTINATION, [PTLFINAL - NEW DATA SET]. ZIP, [PTLFINAL -NEW DATA SET] [TRAILER/CONTAINER], [PTLFINAL - NEW DATA SET] STATUS, [PTLFINAL - NEW DATA SET]. [SCH DATE], [PTLFINAL - NEW DATA SET]. [SCH TIME], [PTLFINAL - NEW DATA SET]. RATE FROM [PTLFINAL - NEW DATA SET] WHERE (([PTLFINAL - NEW DATA SET].ZIP="where" Or [PTLFINAL - NEW DATA SET].ZIP="06241" Or [PTLFINAL - NEW DATA SET].ZIP="01540" Or [PTLFINAL - NEW DATA SET].ZIP="06101" Or [PTLFINAL - NEW DATA SET].ZIP="06416" Or [PTLFINAL - NEW DATA SET].ZIP="06098" Or [PTLFINAL -NEW DATA SET].ZIP="06450" Or [PTLFINAL - NEW DATA SET].ZIP="06422" Or [PTLFINAL - NEW DATA SET].ZIP="06719" Or [PTLFINAL - NEW DATA SET].ZIP="06410" Or [PTLFINAL - NEW DATA SET].ZIP="06473")) ORDER BY [PTLFINAL - NEW DATA SET].ZIP. [PTLFINAL - NEW DATA SET] [SCH DATE], [PTLFINAL - NEW DATA SET] [SCH TIME]; **'DELIVERIES** SELECT DISTINCTROW [Group B].ID, [Group B].[TRAILER/CONTAINER], [Group B].STATUS, [Group B].DESTINATION, [Group B].ZIP, [Group B].[SCH DATE], [Group B]. [SCH TIME], [Group B]. RATE FROM [Group B] WHERE (([Group B].STATUS Like "d\*")) ORDER BY [Group B]. [SCH DATE], [Group B]. [SCH TIME]; 'PICKUPS SELECT DISTINCTROW [Group B].ID, [Group B].[TRAILER/CONTAINER], [Group B] STATUS, [Group B] DESTINATION, [Group B] ZIP, [Group B] [SCH DATE], [Group B].[SCH TIME], [Group B].RATE FROM [Group B] WHERE (([Group B].STATUS Like "P\*")) ORDER BY [Group B] [SCH DATE], [Group B] [SCH TIME]; 'APPEND INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] ( ID DELIVERY. ID PICKUP, [TRAILER/CONTAINER DELIVERY], [TRAILER/CONTAINER PICKUP], DESTINATION DELIVERY, ZIP DELIVERY, DESTINATION PICKUP, ZIP PICKUP, [SCH DATE DELIVERY], [SCH TIME DELIVERY], [SCH TIME PICKUP], RATE PICKUP, RATE DELIVERY) SELECT DISTINCTROW [Group B Deliveries].ID, [Group B Pick-ups].ID, [Group B Deliveries].[TRAILER/CONTAINER], [Group B Pick-ups].[TRAILER/CONTAINER], [Group B Deliveries]. DESTINATION, [Group B Deliveries]. ZIP, [Group B Pickups].DESTINATION, [Group B Pick-ups].ZIP, [Group B Deliveries].[SCH DATE], [Group B Deliveries], [SCH TIME], [Group B Pick-ups], [SCH TIME], [Group B Pickups].RATE, [Group B Deliveries].RATE
FROM [Group B Pick-ups] INNER JOIN [Group B Deliveries] ON [Group B Pickups].[SCH DATE] = [Group B Deliveries].[SCH DATE] WHERE ((([Group B Pick-ups]![SCH TIME]-[Group B Deliveries]![SCH TIME])>180.72)) ORDER BY [Group B Deliveries].[SCH DATE], [Group B Deliveries].[SCH TIME], [Group B Pick-ups].[SCH TIME]; END;

**'ZONAL DIVISION 3** 

<sup>2</sup>Zonal Division 3 (Group C) consists of Middletown, Ny; Danbury, Ct; Ogdensburg, Nj SELECT DISTINCTROW [PTLFINAL - NEW DATA SET].ID, [PTLFINAL - NEW DATA SET]. DESTINATION, [PTLFINAL - NEW DATA SET]. ZIP, [PTLFINAL -NEW DATA SET]. [TRAILER/CONTAINER], [PTLFINAL - NEW DATA SET].STATUS, [PTLFINAL - NEW DATA SET]. [SCH DATE], [PTLFINAL - NEW DATA SET]. [SCH TIME], [PTLFINAL - NEW DATA SET]. RATE FROM [PTLFINAL - NEW DATA SET] WHERE (([PTLFINAL - NEW DATA SET].ZIP="where" Or [PTLFINAL - NEW DATA SET].ZIP="10940" Or [PTLFINAL - NEW DATA SET].ZIP="06810" Or [PTLFINAL - NEW DATA SET].ZIP="07439")) ORDER BY [PTLFINAL - NEW DATA SET].ZIP, [PTLFINAL - NEW DATA SET] [SCH DATE], [PTLFINAL - NEW DATA SET].[SCH TIME]; 'DELIVERIES SELECT DISTINCTROW [Group C].ID, [Group C].[TRAILER/CONTAINER], [Group C].STATUS, [Group C].DESTINATION, [Group C].ZIP, [Group C].[SCH DATE], [Group C].[SCH TIME], [Group C].RATE FROM [Group C] WHERE (([Group C].STATUS Like "D\*")) ORDER BY [Group C].[SCH DATE], [Group C].[SCH TIME]; 'PICKUPS SELECT DISTINCTROW [Group C].ID, [Group C].[TRAILER/CONTAINER], [Group C] STATUS, [Group C] DESTINATION, [Group C] ZIP, [Group C] [SCH DATE], [Group C].[SCH TIME], [Group C].RATE FROM [Group C] WHERE (([Group C].STATUS Like "P\*")) ORDER BY [Group C].[SCH DATE], [Group C].[SCH TIME]; 'APPEND INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] (ID DELIVERY, ID PICKUP, [TRAILER/CONTAINER DELIVERY], [TRAILER/CONTAINER PICKUP], DESTINATION DELIVERY, ZIP DELIVERY, DESTINATION PICKUP, ZIP PICKUP, [SCH DATE DELIVERY], [SCH TIME DELIVERY], [SCH TIME PICKUP], RATE PICKUP, RATE DELIVERY) SELECT DISTINCTROW [Group C Deliveries].ID, [Group C Pick-ups].ID, [Group C Deliveries].[TRAILER/CONTAINER], [Group C Pick-ups].[TRAILER/CONTAINER], [Group C Deliveries]. DESTINATION, [Group C Deliveries]. ZIP, [Group C Pickups].DESTINATION, [Group C Pick-ups].ZIP, [Group C Deliveries].[SCH DATE],

[Group C Deliveries].[SCH TIME], [Group C Pick-ups].[SCH TIME], [Group C Pickups].RATE, [Group C Deliveries].RATE FROM [Group C Pick-ups] INNER JOIN [Group C Deliveries] ON [Group C Pickups].[SCH DATE] = [Group C Deliveries].[SCH DATE] WHERE ((([Group C Pick-ups]![SCH TIME]-[Group C Deliveries]![SCH TIME])>180.72)) ORDER BY [Group C Deliveries].[SCH DATE], [Group C Deliveries].[SCH TIME], [Group C Pick-ups].[SCH TIME]; END;

'ZONAL DIVISION 4

'Zonal Division 4 (Group D) consists of: Potsville, Pa; University Park, Pa; Camp Hill, Pa; 'Mechanicsburg, Pa; Lititz, Pa; Leola, Pa

SELECT DISTINCTROW [PTLFINAL - NEW DATA SET].ID, [PTLFINAL - NEW DATA SET]. DESTINATION, [PTLFINAL - NEW DATA SET]. ZIP, [PTLFINAL -NEW DATA SET]. [TRAILER/CONTAINER], [PTLFINAL - NEW DATA SET].STATUS, [PTLFINAL - NEW DATA SET].[SCH DATE], [PTLFINAL - NEW DATA SET]. [SCH TIME], [PTLFINAL - NEW DATA SET]. RATE FROM [PTLFINAL - NEW DATA SET] WHERE (([PTLFINAL - NEW DATA SET] ZIP="where" Or [PTLFINAL - NEW DATA SET].ZIP="17901" Or [PTLFINAL - NEW DATA SET].ZIP="16802" Or [PTLFINAL - NEW DATA SET].ZIP="17011" Or [PTLFINAL - NEW DATA SET].ZIP="17055" Or [PTLFINAL - NEW DATA SET].ZIP="17543" Or [PTLFINAL -NEW DATA SET].ZIP="17540")) ORDER BY [PTLFINAL - NEW DATA SET].ZIP, [PTLFINAL - NEW DATA SET] [SCH DATE], [PTLFINAL - NEW DATA SET] [SCH TIME]; 'DELIVERIES SELECT DISTINCTROW [Group D].ID, [Group D].[TRAILER/CONTAINER], [Group D].STATUS, [Group D].DESTINATION, [Group D].ZIP, [Group D].[SCH DATE], [Group D].[SCH TIME], [Group D].RATE FROM [Group D] WHERE (([Group D] STATUS Like "D\*")) ORDER BY [Group D].[SCH DATE], [Group D].[SCH TIME]; 'PICKUPS SELECT DISTINCTROW [Group D].ID, [Group D].[TRAILER/CONTAINER], [Group D] STATUS, [Group D] DESTINATION, [Group D] ZIP, [Group D] [SCH DATE], [Group D]. [SCH TIME], [Group D]. RATE FROM [Group D] WHERE (([Group D].STATUS Like "P\*")) ORDER BY [Group D].[SCH DATE], [Group D].[SCH TIME]; 'APPEND INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] ( ID\_DELIVERY, ID PICKUP, [TRAILER/CONTAINER DELIVERY],

[TRAILER/CONTAINER PICKUP], DESTINATION\_DELIVERY, ZIP\_DELIVERY,

DESTINATION\_PICKUP, ZIP\_PICKUP, [SCH DATE\_DELIVERY], [SCH TIME\_DELIVERY], [SCH TIME\_PICKUP], RATE\_PICKUP, RATE\_DELIVERY ) SELECT DISTINCTROW [Group D Deliveries].ID, [Group D Pick-ups].ID, [Group D Deliveries] [TRAILER/CONTAINER], [Group D Pick-ups].[TRAILER/CONTAINER], [Group D Deliveries].DESTINATION, [Group D Deliveries].ZIP, [Group D Pickups].DESTINATION, [Group D Pick-ups].ZIP, [Group D Deliveries].[SCH DATE], [Group D Deliveries].[SCH TIME], [Group D Pick-ups].[SCH TIME], [Group D Pickups].RATE, [Group D Deliveries].RATE FROM [Group D Pick-ups] INNER JOIN [Group D Deliveries] ON [Group D Pickups].[SCH DATE] = [Group D Deliveries].[SCH DATE] WHERE ((([Group D Pick-ups]![SCH TIME]-[Group D Deliveries]![SCH TIME])>180.72)) ORDER BY [Group D Deliveries].[SCH DATE], [Group D Deliveries].[SCH TIME], [Group D Pick-ups].[SCH TIME]; END;

'Zonal Division 5 (Group E) consists of: Jessup, Md SELECT DISTINCTROW [PTLFINAL - NEW DATA SET].ID, [PTLFINAL - NEW DATA SET].DESTINATION, [PTLFINAL - NEW DATA SET].ZIP, [PTLFINAL -NEW DATA SET].[TRAILER/CONTAINER], [PTLFINAL - NEW DATA SET].STATUS, [PTLFINAL - NEW DATA SET].[SCH DATE], [PTLFINAL - NEW DATA SET].[SCH TIME], [PTLFINAL - NEW DATA SET].RATE FROM [PTLFINAL - NEW DATA SET] WHERE (([PTLFINAL - NEW DATA SET].ZIP="where" Or [PTLFINAL - NEW DATA SET].ZIP="20794")) ORDER BY [PTLFINAL - NEW DATA SET].ZIP="where" Or [PTLFINAL - NEW DATA SET].[SCH DATE], [PTLFINAL - NEW DATA SET].[SCH TIME]; 'DELIVERIES SELECT DISTINCTROW [Group E].ID, [Group E].[TRAILER/CONTAINER], [Group E].STATUS, [Group E].DESTINATION, [Group E].ZIP, [Group E].[SCH DATE], [Group E].[SCH TIME], [Group E].RATE

FROM [Group E]

'ZONAL DIVISION 5

WHERE (([Group E].STATUS Like "D\*"))

ORDER BY [Group E].[SCH DATE];

**'PICKUPS** 

SELECT DISTINCTROW [Group E].ID, [Group E].[TRAILER/CONTAINER], [Group E].STATUS, [Group E].DESTINATION, [Group E].ZIP, [Group E].[SCH DATE],

[Group E].[SCH TIME], [Group E].RATE

FROM [Group E]

WHERE (([Group E].STATUS Like "P\*"))

ORDER BY [Group E].[SCH DATE], [Group E].[SCH TIME];

'APPEND

INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] ( ID\_DELIVERY, ID PICKUP, [TRAILER/CONTAINER DELIVERY],

[TRAILER/CONTAINER\_PICKUP], DESTINATION\_DELIVERY, ZIP\_DELIVERY, DESTINATION\_PICKUP, ZIP\_PICKUP, [SCH DATE\_DELIVERY], [SCH TIME\_DELIVERY], [SCH TIME\_PICKUP], RATE\_PICKUP, RATE\_DELIVERY ) SELECT DISTINCTROW [Group E Deliveries].ID, [Group E Pick-ups].ID, [Group E Deliveries].[TRAILER/CONTAINER], [Group E Pick-ups].[TRAILER/CONTAINER], [Group E Deliveries].DESTINATION, [Group E Deliveries].ZIP, [Group E Pickups].DESTINATION, [Group E Pick-ups].ZIP, [Group E Deliveries].[SCH DATE], [Group E Deliveries].[SCH TIME], [Group E Pick-ups].[SCH TIME], [Group E Pickups].RATE, [Group E Deliveries].RATE FROM [Group E Pick-ups] INNER JOIN [Group E Deliveries] ON [Group E Pickups].[SCH DATE] = [Group E Deliveries].[SCH DATE] WHERE ((([Group E Pick-ups]![SCH TIME]-[Group E Deliveries]![SCH TIME])>180.72)) ORDER BY [Group E Deliveries].[SCH DATE], [Group E Deliveries].[SCH TIME], [Group E Pick-ups].[SCH TIME];

END;

## **'ZONAL DIVISION 6**

<sup>6</sup>Zonal Division 6 (Group F) consists of: Vineland, Nj; Millville, Nj; Elmwood Park, Nj; <sup>6</sup>Bridgeport, Nj; King of Prussia, Pa; Philadelphia, Pa; Bensalem, Pa; Burlington, Nj; <sup>6</sup>Chester, Pa

SELECT DISTINCTROW [PTLFINAL - NEW DATA SET] ID, [PTLFINAL - NEW DATA SET] DESTINATION, [PTLFINAL - NEW DATA SET].ZIP, [PTLFINAL -NEW DATA SET]. [TRAILER/CONTAINER], [PTLFINAL - NEW DATA SET] STATUS, [PTLFINAL - NEW DATA SET]. [SCH DATE], [PTLFINAL - NEW DATA SET]. [SCH TIME], [PTLFINAL - NEW DATA SET]. RATE FROM [PTLFINAL - NEW DATA SET] WHERE (([PTLFINAL - NEW DATA SET].ZIP="where" Or [PTLFINAL - NEW DATA SET].ZIP="08360" Or [PTLFINAL - NEW DATA SET].ZIP="08332" Or [PTLFINAL - NEW DATA SET].ZIP="07407" Or [PTLFINAL - NEW DATA SET].ZIP="08014" Or [PTLFINAL - NEW DATA SET].ZIP="19406" Or [PTLFINAL -NEW DATA SET].ZIP="19137" Or [PTLFINAL - NEW DATA SET].ZIP="19153" Or [PTLFINAL - NEW DATA SET].ZIP="19020" Or [PTLFINAL - NEW DATA SET].ZIP="08016" Or [PTLFINAL - NEW DATA SET].ZIP="19013")) ORDER BY [PTLFINAL - NEW DATA SET].ZIP, [PTLFINAL - NEW DATA SET] [SCH DATE], [PTLFINAL - NEW DATA SET] [SCH TIME]; 'DELIVERIES SELECT DISTINCTROW [Group F].ID, [Group F].[TRAILER/CONTAINER], [Group F] STATUS, [Group F] DESTINATION, [Group F], ZIP, [Group F], [SCH DATE], [Group F].[SCH TIME], [Group F].RATE FROM [Group F] WHERE (([Group F].STATUS Like "D\*")) ORDER BY [Group F]. [SCH DATE], [Group F]. [SCH TIME];

'PICKUPS

SELECT DISTINCTROW [Group F].ID, [Group F].[TRAILER/CONTAINER], [Group F].STATUS, [Group F].DESTINATION, [Group F].ZIP, [Group F].[SCH DATE], [Group F]. [SCH TIME], [Group F]. RATE FROM [Group F] WHERE (([Group F].STATUS Like "P\*")) ORDER BY [Group F]. [SCH DATE], [Group F]. [SCH TIME]; 'APPEND INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] ( ID DELIVERY, ID PICKUP, [TRAILER/CONTAINER DELIVERY], [TRAILER/CONTAINER PICKUP], DESTINATION DELIVERY, ZIP DELIVERY, DESTINATION PICKUP, ZIP PICKUP, [SCH DATE DELIVERY], [SCH TIME DELIVERY], [SCH TIME PICKUP], RATE PICKUP, RATE DELIVERY) SELECT DISTINCTROW [Group F Deliveries].ID, [Group F Pick-ups].ID, [Group F Deliveries]. [TRAILER/CONTAINER], [Group F Pick-ups]. [TRAILER/CONTAINER], [Group F Deliveries].DESTINATION, [Group F Deliveries].ZIP, [Group F Pickups].DESTINATION, [Group F Pick-ups].ZIP, [Group F Deliveries].[SCH DATE], [Group F Deliveries]. [SCH TIME], [Group F Pick-ups]. [SCH TIME], [Group F Pickups].RATE, [Group F Deliveries].RATE FROM [Group F Pick-ups] INNER JOIN [Group F Deliveries] ON [Group F Pickups].[SCH DATE] = [Group F Deliveries].[SCH DATE] WHERE ((([Group F Pick-ups]![SCH TIME]-[Group F Deliveries]![SCH TIME])>180.72)) ORDER BY [Group F Deliveries]. [SCH DATE], [Group F Deliveries]. [SCH TIME],

[Group F Pick-ups].[SCH TIME];

END;

### 'ZONAL DIVISION 7

'Zonal Division 7 (Group G) consists of: Albertson, Ny; Calverton, Ny; Long Island City, 'Ny, Brooklyn, Ny, Jamaica, Ny, Freeport, Ny, Plainview, Nj, Hillside, Nj, Newark, Nj, 'Newark, Nj; Jersey City, Nj; Moonachie, Nj; Kearney, Nj; Carlstadat, Nj; Garfield, Nj; 'South Hackensack, Nj; Paterson, Nj; Hawthorne, Nj; Succasunna, Nj; North Brunswick, 'Ni; Dayton, Ni; East Brunswick, Ni; Middlesex, Nj; Trenton, Nj SELECT DISTINCTROW [PTLFINAL - NEW DATA SET].ID, [PTLFINAL - NEW DATA SET]. DESTINATION, [PTLFINAL - NEW DATA SET]. ZIP, [PTLFINAL -NEW DATA SET]. [TRAILER/CONTAINER], [PTLFINAL - NEW DATA SET].STATUS, [PTLFINAL - NEW DATA SET]. [SCH DATE], [PTLFINAL - NEW DATA SET].[SCH TIME], [PTLFINAL - NEW DATA SET].RATE FROM [PTLFINAL - NEW DATA SET] WHERE (([PTLFINAL - NEW DATA SET].ZIP="where" Or [PTLFINAL - NEW DATA SET].ZIP="11507" Or [PTLFINAL - NEW DATA SET].ZIP="11933" Or [PTLFINAL - NEW DATA SET].ZIP="11101" Or [PTLFINAL - NEW DATA SET].ZIP="11232" Or [PTLFINAL - NEW DATA SET].ZIP="11433" Or [PTLFINAL -NEW DATA SET].ZIP="11520" Or [PTLFINAL - NEW DATA SET].ZIP="11803" Or [PTLFINAL - NEW DATA SET].ZIP="07205" Or [PTLFINAL - NEW DATA SET].ZIP="07105" Or [PTLFINAL - NEW DATA SET].ZIP="07305" Or [PTLFINAL - NEW DATA SET].ZIP="07114" Or [PTLFINAL - NEW DATA SET].ZIP="07074" Or [PTLFINAL - NEW DATA SET].ZIP="07032" Or [PTLFINAL - NEW DATA SET].ZIP="07072" Or [PTLFINAL - NEW DATA SET].ZIP="07026" Or [PTLFINAL -NEW DATA SET].ZIP="07606" Or [PTLFINAL - NEW DATA SET].ZIP="07501" Or [PTLFINAL - NEW DATA SET].ZIP="07503" Or [PTLFINAL - NEW DATA SET].ZIP="07506" Or [PTLFINAL - NEW DATA SET].ZIP="07876" Or [PTLFINAL -NEW DATA SET].ZIP="08902" Or [PTLFINAL - NEW DATA SET].ZIP="08810" Or [PTLFINAL - NEW DATA SET].ZIP="08816" Or [PTLFINAL - NEW DATA SET].ZIP="08846" Or [PTLFINAL - NEW DATA SET].ZIP="08638")) ORDER BY [PTLFINAL - NEW DATA SET].ZIP, [PTLFINAL - NEW DATA SET] [SCH DATE], [PTLFINAL - NEW DATA SET] [SCH TIME]; **'DELIVERIES** SELECT DISTINCTROW [Group G].ID, [Group G]. [TRAILER/CONTAINER], [Group G].STATUS, [Group G].DESTINATION, [Group G].ZIP, [Group G].[SCH DATE], [Group G].[SCH TIME], [Group G].RATE FROM [Group G] WHERE (([Group G].STATUS Like "D\*")) ORDER BY [Group G]. [SCH DATE], [Group G]. [SCH TIME]; 'PICKUPS SELECT DISTINCTROW [Group G].ID, [Group G].[TRAILER/CONTAINER], [Group G].STATUS, [Group G].DESTINATION, [Group G].ZIP, [Group G].[SCH DATE], [Group G].[SCH TIME], [Group G].RATE FROM [Group G] WHERE (([Group G].STATUS Like "P\*")) ORDER BY [Group G]. [SCH DATE], [Group G]. [SCH TIME]; **'APPEND** INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] ( ID DELIVERY, ID PICKUP, [TRAILER/CONTAINER DELIVERY], [TRAILER/CONTAINER PICKUP], DESTINATION DELIVERY, ZIP DELIVERY, DESTINATION PICKUP, ZIP PICKUP, [SCH DATE DELIVERY], [SCH TIME DELIVERY], [SCH TIME PICKUP], RATE PICKUP, RATE DELIVERY) SELECT DISTINCTROW [Group G Deliveries].ID, [Group G Pick-ups].ID, [Group G Deliveries].[TRAILER/CONTAINER], [Group G Pick-ups].[TRAILER/CONTAINER], [Group G Deliveries] DESTINATION, [Group G Deliveries] ZIP, [Group G Pickups].DESTINATION, [Group G Pick-ups].ZIP, [Group G Deliveries].[SCH DATE], [Group G Deliveries]. [SCH TIME], [Group G Pick-ups]. [SCH TIME], [Group G Pickups] RATE, [Group G Deliveries] RATE FROM [Group G Pick-ups] INNER JOIN [Group G Deliveries] ON [Group G Pickups].[SCH DATE] = [Group G Deliveries].[SCH DATE] WHERE ((([Group G Pick-ups]][SCH TIME]-[Group G Deliveries]][SCH TIME])>180.72)) ORDER BY [Group G Deliveries]. [SCH DATE], [Group G Deliveries]. [SCH TIME], [Group G Pick-ups]. [SCH TIME]; END;

**'ZONAL DIVISION 8** 'Zonal Division 8 (Group H) consists of: Guiderland Center, Ny SELECT DISTINCTROW [PTLFINAL - NEW DATA SET].ID, [PTLFINAL - NEW DATA SET]. DESTINATION, [PTLFINAL - NEW DATA SET]. ZIP, [PTLFINAL -NEW DATA SET]. [TRAILER/CONTAINER], [PTLFINAL - NEW DATA SET]. STATUS, [PTLFINAL - NEW DATA SET]. [SCH DATE], [PTLFINAL - NEW DATA SET].[SCH TIME], [PTLFINAL - NEW DATA SET].RATE FROM [PTLFINAL - NEW DATA SET] WHERE (([PTLFINAL - NEW DATA SET].ZIP="where" Or [PTLFINAL - NEW DATA SET].ZIP="12085")) ORDER BY [PTLFINAL - NEW DATA SET].ZIP, [PTLFINAL - NEW DATA SET] [SCH DATE], [PTLFINAL - NEW DATA SET] [SCH TIME]; **'DELIVERIES** SELECT DISTINCTROW [Group H].ID, [Group H].[TRAILER/CONTAINER], [Group H].STATUS, [Group H].DESTINATION, [Group H].ZIP, [Group H].[SCH DATE], [Group H].[SCH TIME], [Group H].RATE FROM [Group H] WHERE (([Group H].STATUS Like "D\*")) ORDER BY [Group H]. [SCH DATE], [Group H]. [SCH TIME]; 'PICKUPS SELECT DISTINCTROW [Group H]. [D, [Group H]. [TRAILER/CONTAINER], [Group H].STATUS, [Group H].DESTINATION, [Group H].ZIP, [Group H].[SCH DATE], [Group H].[SCH TIME], [Group H].RATE FROM [Group H] WHERE (([Group H].STATUS Like "P\*")) ORDER BY [Group H].[SCH DATE], [Group H].[SCH TIME]; 'APPEND INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] ( ID DELIVERY, ID PICKUP, [TRAILER/CONTAINER DELIVERY], [TRAILER/CONTAINER PICKUP], DESTINATION DELIVERY, ZIP DELIVERY, DESTINATION PICKUP, ZIP PICKUP, [SCH DATE DELIVERY], [SCH TIME DELIVERY], [SCH TIME PICKUP], RATE PICKUP, RATE DELIVERY) SELECT DISTINCTROW [Group H Deliveries].ID, [Group H Pickups].ID, [Group H Deliveries].[TRAILER/CONTAINER], [Group H Pickups].[TRAILER/CONTAINER], [Group H Deliveries] DESTINATION, [Group H Deliveries] ZIP, [Group H Pickups].DESTINATION, [Group H Pickups].ZIP, [Group H Deliveries].[SCH DATE], [Group H Deliveries]. [SCH TIME], [Group H Pickups]. [SCH TIME], [Group H Pickups].RATE, [Group H Deliveries].RATE FROM [Group H Pickups] INNER JOIN [Group H Deliveries] ON [Group H Pickups].[SCH DATE] = [Group H Deliveries].[SCH DATE] WHERE ((([Group H Pickups]![SCH TIME]-[Group H Deliveries]![SCH TIME])>180.72)) ORDER BY [Group H Deliveries] [SCH DATE], [Group H Deliveries] [SCH TIME], [Group H Pickups].[SCH TIME]; END,

**'ZONAL DIVISION 9** 

'Zonal Division 9 (Group I) consists of: Cranston, Ri; Fall River, Ma; West Wareham, Ma SELECT DISTINCTROW [PTLFINAL - NEW DATA SET]. ID. [PTLFINAL - NEW DATA SET]. DESTINATION, [PTLFINAL - NEW DATA SET]. ZIP, [PTLFINAL -NEW DATA SET]. [TRAILER/CONTAINER], [PTLFINAL - NEW DATA SET] STATUS, [PTLFINAL - NEW DATA SET]. [SCH DATE], [PTLFINAL - NEW DATA SET]. [SCH TIME], [PTLFINAL - NEW DATA SET]. RATE FROM [PTLFINAL - NEW DATA SET] WHERE (([PTLFINAL - NEW DATA SET].ZIP="where" Or [PTLFINAL - NEW DATA SET].ZIP="02920" Or [PTLFINAL - NEW DATA SET].ZIP="02722" Or [PTLFINAL - NEW DATA SET] ZIP="02576")) ORDER BY [PTLFINAL - NEW DATA SET]. ZIP, [PTLFINAL - NEW DATA SET] [SCH DATE], [PTLFINAL - NEW DATA SET], [SCH TIME]; **'DELIVERIES** SELECT DISTINCTROW [Group I] ID, [Group I] [TRAILER/CONTAINER], [Group I].STATUS, [Group I].DESTINATION, [Group I].ZIP, [Group I].[SCH DATE], [Group I].[SCH TIME], [Group I].RATE FROM [Group I] WHERE (([Group I].STATUS Like "D\*")) ORDER BY [Group I]. [SCH DATE], [Group I]. [SCH TIME]; 'PICKUPS SELECT DISTINCTROW [Group I]. [D. [Group I]. [TRAILER/CONTAINER]. [Group I] STATUS, [Group I] DESTINATION, [Group I] ZIP, [Group I]. [SCH DATE], [Group I] [SCH TIME], [Group I].RATE FROM [Group I] WHERE (([Group I].STATUS Like "P\*")) ORDER BY [Group I] [SCH DATE], [Group I] [SCH TIME]; 'APPEND INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] (ID DELIVERY, ID PICKUP, [TRAILER/CONTAINER DELIVERY], [TRAILER/CONTAINER PICKUP], DESTINATION DELIVERY, ZIP DELIVERY, DESTINATION PICKUP, ZIP PICKUP, [SCH DATE DELIVERY], [SCH TIME DELIVERY], [SCH TIME PICKUP], RATE DELIVERY, RATE PICKUP) SELECT DISTINCTROW [Group I Deliveries].ID, [Group I Pickups].ID, [Group I Deliveries].[TRAILER/CONTAINER], [Group I Pickups].[TRAILER/CONTAINER], [Group I Deliveries]. DESTINATION, [Group I Deliveries]. ZIP, [Group I Pickups] DESTINATION, [Group I Pickups] ZIP, [Group I Deliveries] [SCH DATE], [Group I Deliveries]. [SCH TIME], [Group I Pickups]. [SCH TIME], [Group I Deliveries].RATE, [Group I Pickups].RATE FROM [Group I Deliveries] INNER JOIN [Group I Pickups] ON [Group I Deliveries] [SCH DATE] = [Group I Pickups].[SCH DATE] WHERE ((([Group I Pickups]![SCH TIME]-[Group I Deliveries]![SCH TIME])>180.72)) ORDER BY [Group I Deliveries]. [SCH DATE], [Group I Deliveries]. [SCH TIME], [Group I Pickups].[SCH TIME]; END;

'ZONAL DIVISION 10

<sup>6</sup>Zonal Division 10, 11, 12, 13, 14 are sub-divisions of the most centralized zone, Zone 7 <sup>6</sup>These sub-zones can overlap due to placement of other zones, for example, a delivery to <sup>6</sup>Zone 3 or 8 will first be matched first with pickups in Zone 13 within Zone 7 (Due to <sup>6</sup>minimization of repositioning distances) and if no match is found, then the heuristic will <sup>6</sup>attempt the next possible zone within Zone 7. Further, if no match is found, heuristic will

'match other zones within temporal constraints.

<sup>6</sup>Zonal Division 10 (Group J) consists of: Hillside, Nj; Newark, Nj; Jersey City, Nj; <sup>6</sup>Kearny, Nj; Carlstadt, Nj; Garfield, Nj; South Hackensack, Nj; Paterson, Nj; Hawthorne, <sup>6</sup>Nj; Succasunna, Nj; Moonachie, Nj

SELECT DISTINCTROW [PTLFINAL - NEW DATA SET].ID, [PTLFINAL - NEW DATA SET].[TRAILER/CONTAINER], [PTLFINAL - NEW DATA SET].STATUS, [PTLFINAL - NEW DATA SET].DESTINATION, [PTLFINAL - NEW DATA SET].ZIP, [PTLFINAL - NEW DATA SET].[SCH DATE], [PTLFINAL - NEW DATA SET].[SCH TIME], [PTLFINAL - NEW DATA SET].RATE

FROM [PTLFINAL - NEW DATA SET]

WHERE (([PTLFINAL - NEW DATA SET].ZIP="WHERE" Or [PTLFINAL - NEW DATA SET].ZIP="07026" Or [PTLFINAL - NEW DATA SET].ZIP="07439" Or [PTLFINAL - NEW DATA SET].ZIP="07501" Or [PTLFINAL - NEW DATA SET].ZIP="07503" Or [PTLFINAL - NEW DATA SET].ZIP="07506" Or [PTLFINAL -NEW DATA SET].ZIP="07606" Or [PTLFINAL - NEW DATA SET].ZIP="07876" Or [PTLFINAL - NEW DATA SET].ZIP="07032" Or [PTLFINAL - NEW DATA SET].ZIP="07105" Or [PTLFINAL - NEW DATA SET].ZIP="07205" Or [PTLFINAL - NEW DATA SET].ZIP="07114" Or [PTLFINAL - NEW DATA SET].ZIP="07305" Or [PTLFINAL - NEW DATA SET].ZIP="07072" Or [PTLFINAL - NEW DATA SET].ZIP="071714" OF [PTLFINAL - NEW DATA SET].ZIP="07305" OF [PTLFINAL - NEW DATA SET].ZIP="07072" OF [PTLFINAL - NEW DATA SET].ZIP="07074"))

ORDER BY [PTLFINAL - NEW DATA SET].ZIP, [PTLFINAL - NEW DATA SET].[SCH DATE], [PTLFINAL - NEW DATA SET].[SCH TIME];

'DELIVERIES

SELECT DISTINCTROW [Group J].ID, [Group J].[TRAILER/CONTAINER], [Group J].STATUS, [Group J].DESTINATION, [Group J].ZIP, [Group J].[SCH DATE], [Group J].[SCH TIME], [Group J].RATE

FROM [Group J]

WHERE (([Group J].STATUS Like "D\*"))

ORDER BY [Group J].[SCH DATE], [Group J].[SCH TIME],

'PICKUPS

SELECT DISTINCTROW [Group J].ID, [Group J].[TRAILER/CONTAINER], [Group J].STATUS, [Group J].DESTINATION, [Group J].ZIP, [Group J].[SCH DATE], [Group J].[SCH TIME], [Group J].RATE

FROM [Group J]

WHERE (([Group J].STATUS Like "P\*"))

ORDER BY [Group J].[SCH DATE], [Group J].[SCH TIME];

'ZONAL DIVISION 11 (NEW LONG ISLAND)

'Zonal Division 11 (New Long Island) consists of: Brooklyn, Ny; Jamaica, Ny; Albertson, 'Ny; Freeport, Ny; Plainview, Ny; Calverton, Ny

SELECT DISTINCTROW [PTLFINAL - NEW DATA SET].ID, [PTLFINAL - NEW DATA SET] IT ALLER (CONTAINED) [PTLFINAL - NEW DATA SET] STATUS

DATA SET].[TRAILER/CONTAINER], [PTLFINAL - NEW DATA SET].STATUS,

[PTLFINAL - NEW DATA SET].DESTINATION, [PTLFINAL - NEW DATA SET].ZIP, [PTLFINAL - NEW DATA SET].[SCH DATE], [PTLFINAL - NEW DATA SET].[SCH TIME], [PTLFINAL - NEW DATA SET].RATE

FROM [PTLFINAL - NEW DATA SET]

WHERE (([PTLFINAL - NEW DATA SET].ZIP="where" Or [PTLFINAL - NEW DATA SET].ZIP="11232" Or [PTLFINAL - NEW DATA SET].ZIP="11433" Or [PTLFINAL - NEW DATA SET].ZIP="11507" Or [PTLFINAL - NEW DATA SET].ZIP="11520" Or [PTLFINAL - NEW DATA SET].ZIP="11803" Or [PTLFINAL - NEW DATA SET].ZIP="11803")

ORDER BY [PTLFINAL - NEW DATA SET].ZIP, [PTLFINAL - NEW DATA SET].[SCH DATE], [PTLFINAL - NEW DATA SET].[SCH TIME]; 'DELIVERIES

SELECT DISTINCTROW [Zone 11 (New Long Island)].ID, [Zone 11 (New Long Island)].[TRAILER/CONTAINER], [Zone 11 (New Long Island)].STATUS, [Zone 11]

(New Long Island)].DESTINATION, [Zone 11 (New Long Island)].ZIP, [Zone 11 (New Long Island)].[SCH DATE], [Zone 11 (New Long Island)].[SCH TIME], [Zone 11 (New Long Island)].RATE

FROM [Zone 11 (New Long Island)]

WHERE (([Zone 11 (New Long Island)].STATUS Like "D\*"))

ORDER BY [Zone 11 (New Long Island)].[SCH DATE], [Zone 11 (New Long Island)].[SCH TIME];

'ZONAL DIVISION 12 (NEW MID-JERSEY)

'Zonal Division 12 (New Mid-Jersey) consists of: Trenton, Nj; Dayton, Nj; East 'Brunswick, Nj; Middlesex, Nj; North Brunswick, Nj SELECT DISTINCTROW [PTLFINAL - NEW DATA SET].ID, [PTLFINAL - NEW

DATA SET].[TRAILER/CONTAINER], [PTLFINAL - NEW DATA SET].STATUS,

[PTLFINAL - NEW DATA SET].DESTINATION, [PTLFINAL - NEW DATA SET].ZIP, [PTLFINAL - NEW DATA SET].[SCH DATE], [PTLFINAL - NEW DATA

SET].[SCH TIME], [PTLFINAL - NEW DATA SET].RATE

FROM [PTLFINAL - NEW DATA SET]

WHERE (([PTLFINAL - NEW DATA SET].ZIP="where" Or [PTLFINAL - NEW DATA SET].ZIP="08638" Or [PTLFINAL - NEW DATA SET].ZIP="08810" Or [PTLFINAL - NEW DATA SET].ZIP="08816" Or [PTLFINAL - NEW DATA SET].ZIP="08846" Or [PTLFINAL - NEW DATA SET].ZIP="08902")) ORDER BY [PTLFINAL - NEW DATA SET].ZIP, [PTLFINAL - NEW DATA SET].[SCH DATE], [PTLFINAL - NEW DATA SET].[SCH TIME]; 'DELIVERIES

SELECT DISTINCTROW [Zone 12 (New Mid-Jersey)].ID, [Zone 12 (New Mid-Jersey)].[TRAILER/CONTAINER], [Zone 12 (New Mid-Jersey)].STATUS, [Zone 12 (New Mid-Jersey)].DESTINATION, [Zone 12 (New Mid-Jersey)].ZIP, [Zone 12 (New

Mid-Jersey)] [SCH DATE], [Zone 12 (New Mid-Jersey)].[SCH TIME], [Zone 12 (New Mid-Jersey)].RATE FROM [Zone 12 (New Mid-Jersey)] WHERE (([Zone 12 (New Mid-Jersey)].STATUS Like "D\*")) ORDER BY [Zone 12 (New Mid-Jersey)].[SCH DATE], [Zone 12 (New Mid-Jersey)].[SCH TIME];

'ZONAL DIVISION 13 (NEW N. JERSEY) 'Zonal Division 13 (New N. Jersey) consists of: Succasunna, Nj; Ogdensburg, Nj; 'Paterson, Nj; Hawthorne, Nj SELECT DISTINCTROW [PTLFINAL - NEW DATA SET]. D, [PTLFINAL - NEW DATA SET] [TRAILER/CONTAINER], [PTLFINAL - NEW DATA SET] STATUS, [PTLFINAL - NEW DATA SET].DESTINATION, [PTLFINAL - NEW DATA SET].ZIP, [PTLFINAL - NEW DATA SET]. [SCH DATE], [PTLFINAL - NEW DATA SET].[SCH TIME], [PTLFINAL - NEW DATA SET].RATE FROM [PTLFINAL - NEW DATA SET] WHERE (([PTLFINAL - NEW DATA SET].ZIP="where" Or [PTLFINAL - NEW DATA SET].ZIP="07439" Or [PTLFINAL - NEW DATA SET].ZIP="07501" Or [PTLFINAL - NEW DATA SET].ZIP="07503" Or [PTLFINAL - NEW DATA SET].ZIP="07506" Or [PTLFINAL - NEW DATA SET].ZIP="07876")) ORDER BY [PTLFINAL - NEW DATA SET]. ZIP, [PTLFINAL - NEW DATA SET] [SCH DATE], [PTLFINAL - NEW DATA SET] [SCH TIME]; 'DELIVERIES SELECT DISTINCTROW [Zone 13 (New N Jersey)].ID, [Zone 13 (New N Jersey] [TRAILER/CONTAINER], [Zone 13 (New N Jersey)] STATUS, [Zone 13 (New N Jersey)].DESTINATION, [Zone 13 (New N Jersey)].ZIP, [Zone 13 (New N Jersey] [SCH DATE], [Zone 13 (New N Jersey]] [SCH TIME], [Zone 13 (New N Jersey)].RATE FROM [Zone 13 (New N Jersey)] WHERE (([Zone 13 (New N Jersey)].STATUS Like "d\*"));

### 'ZONAL DIVISION 14 (NEW NEWARK)

'Zonal Division (New Newark) consists of: Newark, Nj; South hackensack, Nj; Garfield, 'Nj; Kearny, Nj; Carlstadt, Nj; Moonachie, Nj; Hillside, Nj; Jersey City, Nj SELECT DISTINCTROW [PTLFINAL - NEW DATA SET].ID, [PTLFINAL - NEW DATA SET].[TRAILER/CONTAINER], [PTLFINAL - NEW DATA SET].STATUS, [PTLFINAL - NEW DATA SET].DESTINATION, [PTLFINAL - NEW DATA SET].ZIP, [PTLFINAL - NEW DATA SET].[SCH DATE], [PTLFINAL - NEW DATA SET].[SCH TIME], [PTLFINAL - NEW DATA SET].RATE FROM [PTLFINAL - NEW DATA SET] WHERE (([PTLFINAL - NEW DATA SET].ZIP="where" Or [PTLFINAL - NEW DATA SET].ZIP="07606" Or [PTLFINAL - NEW DATA SET].ZIP="07026" Or [PTLFINAL - NEW DATA SET].ZIP="07032" Or [PTLFINAL - NEW DATA SET].ZIP="07072" Or [PTLFINAL - NEW DATA SET].ZIP="07074" Or [PTLFINAL -NEW DATA SET].ZIP="07105" Or [PTLFINAL - NEW DATA SET].ZIP="07114" Or [PTLFINAL - NEW DATA SET].ZIP="07205" Or [PTLFINAL - NEW DATA SET].ZIP="07305")) ORDER BY [PTLFINAL - NEW DATA SET].ZIP, [PTLFINAL - NEW DATA SET].[SCH DATE], [PTLFINAL - NEW DATA SET].[SCH TIME]; **'DELIVERIES** SELECT DISTINCTROW [Zone 14 (New Newark)].ID, [Zone 14 (New Newark)].[TRAILER/CONTAINER], [Zone 14 (New Newark)].STATUS, [Zone 14 (New Newark)].DESTINATION, [Zone 14 (New Newark)].ZIP, [Zone 14 (New Newark)].[SCH DATE], [Zone 14 (New Newark)].[SCH TIME], [Zone 14 (New Newark)].RATE FROM [Zone 14 (New Newark)] WHERE (([Zone 14 (New Newark)].STATUS Like "D\*")) ORDER BY [Zone 14 (New Newark)].[SCH DATE], [Zone 14 (New Newark)].[SCH TIME]: 'PICKUPS SELECT DISTINCTROW [Zone 14 (New Newark)].ID, [Zone 14 (New Newark)].[TRAILER/CONTAINER], [Zone 14 (New Newark)].STATUS, [Zone 14 (New Newark)].DESTINATION, [Zone 14 (New Newark)].ZIP, [Zone 14 (New Newark)] [SCH DATE], [Zone 14 (New Newark)] [SCH TIME], [Zone 14 (New Newark)] RATE FROM [Zone 14 (New Newark)] WHERE (([Zone 14 (New Newark)] STATUS Like "P\*")) ORDER BY [Zone 14 (New Newark)] [SCH DATE], [Zone 14 (New Newark)] [SCH TIME],

'The Program is designed to handle the sub-divisions of the centralized zone 'Zone 14/11 Pickup/Delivery Match

INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] (ID DELIVERY, ID PICKUP, [TRAILER/CONTAINER DELIVERY], [TRAILER/CONTAINER PICKUP], DESTINATION DELIVERY, ZIP DELIVERY, DESTINATION PICKUP, ZIP PICKUP, [SCH DATE DELIVERY], [SCH TIME DELIVERY], [SCH TIME PICKUP], RATE DELIVERY, RATE PICKUP) SELECT DISTINCTROW [Zone 11 (New Long Island) Deliveries].ID, [Zone 14 (New Newark) Pickups].ID, [Zone 11 (New Long Island) Deliveries].[TRAILER/CONTAINER], [Zone 14 (New Newark) Pickups]. [TRAILER/CONTAINER], [Zone 11 (New Long Island) Deliveries]. DESTINATION, [Zone 11 (New Long Island) Deliveries]. ZIP, [Zone 14] (New Newark) Pickups].DESTINATION, [Zone 14 (New Newark) Pickups].ZIP, [Zone 11 (New Long Island) Deliveries]. [SCH DATE], [Zone 11 (New Long Island) Deliveries]. [SCH TIME], [Zone 14 (New Newark) Pickups]. [SCH TIME], [Zone 11] (New Long Island) Deliveries] RATE, [Zone 14 (New Newark) Pickups].RATE FROM [Zone 11 (New Long Island) Deliveries] INNER JOIN [Zone 14 (New Newark) Pickups] ON [Zone 11 (New Long Island) Deliveries].[SCH DATE] = [Zone 14 (New Newark) Pickups].[SCH DATE]

WHERE ((([Zone 14 (New Newark) Pickups]![SCH TIME]-[Zone 11 (New Long Island) Deliveries]![SCH TIME])>180.72))

ORDER BY [Zone 11 (New Long Island) Deliveries].[SCH DATE], [Zone 11 (New Long Island) Deliveries].[SCH TIME], [Zone 14 (New Newark) Pickups].[SCH TIME]; END;

'Zone 14/12 Pickup/Delivery Match

INSERT INTO [ZIP CODE SORTING FOR ALL & GROUPS] ( ID\_DELIVERY, ID\_PICKUP, [TRAILER/CONTAINER\_DELIVERY],

[TRAILER/CONTAINER\_PICKUP], DESTINATION\_DELIVERY, ZIP\_DELIVERY, DESTINATION\_PICKUP, ZIP\_PICKUP, [SCH DATE\_DELIVERY], [SCH TIME\_DELIVERY], [SCH TIME\_PICKUP], RATE\_DELIVERY, RATE\_PICKUP ) SELECT DISTINCTROW [Zone 12 (New Mid-Jersey) Deliveries].ID, [Zone 14 (New Newark) Pickups].ID, [Zone 12 (New Mid-Jersey)

Deliveries].[TRAILER/CONTAINER], [Zone 14 (New Newark)

Pickups].[TRAILER/CONTAINER], [Zone 12 (New Mid-Jersey)

Deliveries].DESTINATION, [Zone 12 (New Mid-Jersey) Deliveries].ZIP, [Zone 14 (New Newark) Pickups].DESTINATION, [Zone 14 (New Newark) Pickups].ZIP, [Zone 12 (New Mid-Jersey) Deliveries].[SCH DATE], [Zone 12 (New Mid-Jersey)

Deliveries].[SCH TIME], [Zone 14 (New Newark) Pickups].[SCH TIME], [Zone 12 (New Mid-Jersey) Deliveries].RATE, [Zone 14 (New Newark) Pickups].RATE

FROM [Zone 14 (New Newark) Pickups] INNER JOIN [Zone 12 (New Mid-Jersey) Deliveries] ON [Zone 14 (New Newark) Pickups].[SCH DATE] = [Zone 12 (New Mid-Jersey) Deliveries].[SCH DATE]

WHERE ((([Zone 14 (New Newark) Pickups]![SCH TIME]-[Zone 12 (New Mid-Jersey) Deliveries]![SCH TIME])>180.72))

ORDER BY [Zone 12 (New Mid-Jersey) Deliveries].[SCH DATE], [Zone 12 (New Mid-Jersey) Deliveries].[SCH TIME], [Zone 14 (New Newark) Pickups].[SCH TIME]; END;

'Zone 14/13 Pickup/Delivery Match

INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] ( ID\_DELIVERY, ID\_PICKUP, [TRAILER/CONTAINER\_DELIVERY],

[TRAILER/CONTAINER\_PICKUP], DESTINATION\_DELIVERY,

DESTINATION\_PICKUP, ZIP\_DELIVERY, ZIP\_PICKUP, [SCH

DATE\_DELIVERY], [SCH TIME\_DELIVERY], [SCH TIME\_PICKUP],

RATE\_DELIVERY, RATE\_PICKUP)

SELECT DISTINCTROW [Zone 13 (New N Jersey) Deliveries].ID, [Zone 14 (New Newark) Pickups].ID, [Zone 13 (New N Jersey) Deliveries].[TRAILER/CONTAINER], [Zone 14 (New Newark) Pickups].[TRAILER/CONTAINER], [Zone 13 (New N Jersey) Deliveries].DESTINATION, [Zone 14 (New Newark) Pickups].DESTINATION, [Zone 13 (New N Jersey) Deliveries].ZIP, [Zone 14 (New Newark) Pickups].ZIP, [Zone 13 (New N Jersey) Deliveries].[SCH DATE], [Zone 13 (New N Jersey) Deliveries].[SCH TIME], [Zone 14 (New Newark) Pickups].[SCH TIME], [Zone 13 (New N Jersey) Deliveries].[SCH TIME], [Zone 14 (New Newark) Pickups].[SCH TIME], [Zone 13 (New N Jersey) Deliveries].[SCH TIME], [Zone 14 (New Newark) Pickups].[SCH TIME], [Zone 13 (New N Jersey) Deliveries].[SCH TIME], [Zone 14 (New Newark) Pickups].[SCH TIME], [Zone 15 (New N Jersey) Deliveries].[SCH TIME], [Zone 14 (New Newark) Pickups].[SCH TIME], [Zone 15 (New N Jersey) Deliveries].[SCH TIME], [Zone 14 (New Newark) Pickups].[SCH TIME], [Zone 15 (New N Jersey) Deliveries].[SCH TIME], [Zone 14 (New Newark) Pickups].[SCH TIME], [Zone 15 (New N Jersey) Deliveries].[SCH TIME], [Zone 15 (New N Jersey) Deliveries].[SCH TIME], [Zone 15 (New N Jersey) Deliveries].[SCH TIME], [Zone 14 (New Newark) Pickups].[SCH TIME], [Zone 15 (New N Jersey)].[SCH TIME], [Zone 15 (New N Jersey], [Zone 15 (New N Jersey], [Zone 15 (New N Jersey]].[SCH TIME], [Zone 15 (New N Jersey]], [Zone

FROM [Zone 14 (New Newark) Pickups] INNER JOIN [Zone 13 (New N Jersey) Deliveries] ON [Zone 14 (New Newark) Pickups].[SCH DATE] = [Zone 13 (New N Jersey) Deliveries].[SCH DATE]

WHERE ((([Zone 14 (New Newark) Pickups]![SCH TIME]-[Zone 13 (New N Jersey) Deliveries]![SCH TIME])>180.72))

ORDER BY [Zone 13 (New N Jersey) Deliveries].[SCH DATE], [Zone 13 (New N Jersey) Deliveries].[SCH TIME], [Zone 14 (New Newark) Pickups].[SCH TIME], END;

'Zone 3 and 10 (Newark) Zipcode Match

INSERT INTO [ZIP CODE SORTING FOR ALL & GROUPS] ( ID\_DELIVERY, ID\_PICKUP, [TRAILER/CONTAINER\_DELIVERY],

[TRAILER/CONTAINER PICKUP], DESTINATION DELIVERY, ZIP DELIVERY, DESTINATION PICKUP, ZIP PICKUP, [SCH DATE DELIVERY], [SCH TIME DELIVERY], [SCH TIME PICKUP], RATE PICKUP, RATE DELIVERY ) SELECT DISTINCTROW [Group C Deliveries].ID, [Group J Pickups].ID, [Group C Deliveries].[TRAILER/CONTAINER], [Group J Pickups].[TRAILER/CONTAINER], [Group C Deliveries] DESTINATION, [Group C Deliveries].ZIP, [Group J Pickups].DESTINATION, [Group J Pickups].ZIP, [Group C Deliveries].[SCH DATE], [Group C Deliveries]. [SCH TIME], [Group J Pickups]. [SCH TIME], [Group J Pickups] RATE, [Group C Deliveries] RATE FROM [Group J Pickups] INNER JOIN [Group C Deliveries] ON [Group J Pickups].[SCH DATE] = [Group C Deliveries].[SCH DATE] WHERE ((([Group J Pickups]![SCH TIME]-[Group C Deliveries]![SCH TIME])>386.67)) ORDER BY [Group C Deliveries]. [SCH DATE], [Group C Deliveries]. [SCH TIME], [Group J Pickups].[SCH TIME]; END:

'Zone 5 and 6 Zipcode Match

INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] ( ID\_DELIVERY, ID\_PICKUP, [TRAILER/CONTAINER\_DELIVERY],

[TRAILER/CONTAINER\_PICKUP], DESTINATION\_DELIVERY, ZIP\_DELIVERY, DESTINATION\_PICKUP, ZIP\_PICKUP, [SCH DATE\_DELIVERY], [SCH TIME\_DELIVERY], [SCH TIME\_PICKUP], RATE\_PICKUP, RATE\_DELIVERY) SELECT DISTINCTROW [Group E Deliveries].ID, [Group F Pick-ups].ID, [Group E Deliveries].[TRAILER/CONTAINER], [Group F Pick-ups].[TRAILER/CONTAINER], [Group E Deliveries].DESTINATION, [Group E Deliveries].ZIP, [Group F Pickups].DESTINATION, [Group F Pick-ups].ZIP, [Group E Deliveries].[SCH DATE], [Group E Deliveries].[SCH TIME], [Group F Pick-ups].[SCH TIME], [Group F Pickups].RATE, [Group E Deliveries].RATE FROM [Group E Pick ups] INNER ION [Group E Deliveries] ON [Group E Pick-

FROM [Group F Pick-ups] INNER JOIN [Group E Deliveries] ON [Group F Pickups].[SCH DATE] = [Group E Deliveries].[SCH DATE]

WHERE ((([Group F Pick-ups]![SCH TIME]-[Group E Deliveries]![SCH TIME])>116))

ORDER BY [Group E Deliveries].[SCH DATE], [Group E Deliveries].[SCH TIME], [Group F Pick-ups].[SCH TIME]; END;

'Zone 9 and 2 Zipcode Match

INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] ( ID DELIVERY, ID PICKUP, [TRAILER/CONTAINER DELIVERY], [TRAILER/CONTAINER PICKUP], DESTINATION DELIVERY, ZIP DELIVERY, DESTINATION PICKUP, ZIP PICKUP, [SCH DATE DELIVERY], [SCH TIME DELIVERY], [SCH TIME PICKUP], RATE PICKUP, RATE DELIVERY) SELECT DISTINCTROW [Group I Deliveries].ID, [Group B Pick-ups].ID, [Group I Deliveries]. [TRAILER/CONTAINER], [Group B Pick-ups]. [TRAILER/CONTAINER], [Group I Deliveries] DESTINATION, [Group I Deliveries] ZIP, [Group B Pickups] DESTINATION, [Group B Pick-ups] ZIP, [Group I Deliveries], [SCH DATE], [Group I Deliveries]. [SCH TIME], [Group B Pick-ups]. [SCH TIME], [Group B Pickups].RATE, [Group I Deliveries].RATE FROM [Group B Pick-ups] INNER JOIN [Group I Deliveries] ON [Group B Pickups].[SCH DATE] = [Group I Deliveries].[SCH DATE] WHERE ((([Group B Pick-ups]![SCH TIME]-[Group I Deliveries]![SCH TIME])>286.67)) ORDER BY [Group I Deliveries]. [SCH DATE], [Group I Deliveries]. [SCH TIME], [Group B Pick-ups].[SCH TIME]; END;

'The following are the rest of the matches. The heuristic was originally designed just to 'match feasible matches within temporal and spatial constraints. However if no feasible 'matches were found, in order to make this a heuristic, the model must match the 'no 'matches' to all of resulting zones. The specific sort order routine is sefined by the 'constraints and initiated through the Macro.

'ZONE 1/2

INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] ( ID\_DELIVERY, ID\_PICKUP, [TRAILER/CONTAINER\_DELIVERY],

[TRAILER/CONTAINER\_PICKUP], DESTINATION\_DELIVERY, ZIP\_DELIVERY, DESTINATION\_PICKUP, ZIP\_PICKUP, [SCH DATE\_DELIVERY], [SCH TIME\_DELIVERY], [SCH TIME\_PICKUP], RATE\_DELIVERY, RATE\_PICKUP) SELECT DISTINCTROW [Group A Deliveries].ID, [Group B Pick-ups].ID, [Group A Deliveries].[TRAILER/CONTAINER], [Group B Pick-ups].[TRAILER/CONTAINER], [Group A Deliveries].DESTINATION, [Group A Deliveries].ZIP, [Group B Pickups].DESTINATION, [Group B Pick-ups].ZIP, [Group A Deliveries].[SCH DATE], [Group A Deliveries].[SCH TIME], [Group B Pick-ups].[SCH TIME], [Group A Deliveries].RATE, [Group B Pick-ups].RATE FROM [Group B Pick-ups] INNER JOIN [Group A Deliveries] ON [Group B Pickups].[SCH DATE] = [Group A Deliveries].[SCH DATE] WHERE ((([Group B Pick-ups]![SCH TIME]-[Group A Deliveries]![SCH TIME])>180.)) ORDER BY [Group A Deliveries].[SCH DATE], [Group A Deliveries].[SCH TIME], [Group B Pick-ups].[SCH TIME]; END;

### 'ZONE 1/3

INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] ( ID\_DELIVERY, ID\_PICKUP, [TRAILER/CONTAINER\_DELIVERY], [TRAILER/CONTAINER\_PICKUP], DESTINATION\_DELIVERY, ZIP\_DELIVERY, DESTINATION\_PICKUP, ZIP\_PICKUP, [SCH DATE\_DELIVERY], [SCH TIME\_DELIVERY], [SCH TIME\_PICKUP], RATE\_DELIVERY, RATE\_PICKUP ) SELECT DISTINCTROW [Group A Deliveries].ID, [Group C Pick-ups].ID, [Group A Deliveries].[TRAILER/CONTAINER], [Group C Pick-ups].[TRAILER/CONTAINER], [Group A Deliveries].DESTINATION, [Group A Deliveries].ZIP, [Group C Pickups].DESTINATION, [Group C Pick-ups].[SCH DATE], [Group A Deliveries].[SCH TIME], [Group C Pick-ups].[SCH TIME], [Group A Deliveries].RATE, [Group C Pick-ups].RATE FROM [Group A Deliveries] INNER JOIN [Group C Pick-ups] ON [Group A Deliveries].[SCH DATE] = [Group C Pick-ups].[SCH DATE] WHERE ((([Group C Pick-ups]![SCH TIME]-[Group A Deliveries]![SCH

TIME])>386.67))

ORDER BY [Group A Deliveries]. [SCH DATE], [Group A Deliveries]. [SCH TIME], [Group C Pick-ups]. [SCH TIME];

END;

### 'ZONE 1/4

INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] ( ID\_DELIVERY, ID PICKUP, [TRAILER/CONTAINER DELIVERY],

[TRAILER/CONTAINER\_PICKUP], DESTINATION\_DELIVERY, ZIP\_DELIVERY, DESTINATION\_PICKUP, ZIP\_PICKUP, [SCH DATE\_DELIVERY], [SCH TIME\_DELIVERY], [SCH TIME\_PICKUP], RATE\_DELIVERY, RATE\_PICKUP) SELECT DISTINCTROW [Group A Deliveries].ID, [Group D Pick-ups].ID, [Group A Deliveries].[TRAILER/CONTAINER], [Group D Pick-ups].[TRAILER/CONTAINER], [Group A Deliveries].DESTINATION, [Group A Deliveries].ZIP, [Group D Pickups].DESTINATION, [Group D Pick-ups].ZIP, [Group D D Pickups].[SCH DATE], [Group A Deliveries].[SCH TIME], [Group D Pick-ups].[SCH TIME], [Group A Deliveries].RATE, [Group D Pick-ups].RATE

FROM [Group D Pick-ups] INNER JOIN [Group A Deliveries] ON [Group D Pickups].[SCH DATE] = [Group A Deliveries].[SCH DATE]

WHERE ((([Group D Pick-ups]![SCH TIME]-[Group A Deliveries]![SCH TIME])>560.))

ORDER BY [Group A Deliveries].[SCH DATE], [Group A Deliveries].[SCH TIME], [Group D Pick-ups].[SCH TIME];

END;

'ZONE 1/5

INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] ( ID DELIVERY, ID PICKUP, [TRAILER/CONTAINER DELIVERY], [TRAILER/CONTAINER PICKUP], DESTINATION DELIVERY, ZIP DELIVERY, DESTINATION PICKUP, ZIP PICKUP, [SCH DATE DELIVERY], [SCH TIME DELIVERY], [SCH TIME PICKUP], RATE DELIVERY, RATE PICKUP) SELECT DISTINCTROW [Group A Deliveries].ID, [Group E Pick-ups].ID, [Group A Deliveries] [TRAILER/CONTAINER], [Group E Pick-ups]. [TRAILER/CONTAINER], [Group A Deliveries] DESTINATION, [Group A Deliveries] ZIP, [Group E Pickups].DESTINATION, [Group E Pick-ups].ZIP, [Group A Deliveries].[SCH DATE], [Group A Deliveries]. [SCH TIME], [Group E Pick-ups]. [SCH TIME], [Group A Deliveries].RATE, [Group E Pick-ups].RATE FROM [Group E Pick-ups] INNER JOIN [Group A Deliveries] ON [Group E Pickups].[SCH DATE] = [Group A Deliveries].[SCH DATE] WHERE ((([Group E Pick-ups]![SCH TIME]-[Group A Deliveries]![SCH TIME])>666.67)) ORDER BY [Group A Deliveries]. [SCH DATE], [Group A Deliveries]. [SCH TIME],

[Group E Pick-ups].[SCH TIME];

END;

'ZONE 1/6

INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] ( ID\_DELIVERY, ID\_PICKUP, [TRAILER/CONTAINER\_DELIVERY],

[TRAILER/CONTAINER\_PICKUP], DESTINATION\_DELIVERY, ZIP\_DELIVERY, DESTINATION\_PICKUP, ZIP\_PICKUP, [SCH DATE\_DELIVERY], [SCH TIME\_DELIVERY], [SCH TIME\_PICKUP], RATE\_DELIVERY, RATE\_PICKUP ) SELECT DISTINCTROW [Group A Deliveries].ID, [Group F Pick-ups].ID, [Group A Deliveries].[TRAILER/CONTAINER], [Group F Pick-ups].[TRAILER/CONTAINER], [Group A Deliveries].DESTINATION, [Group A Deliveries].ZIP, [Group F Pickups].DESTINATION, [Group F Pick-ups].ZIP, [Group A Deliveries].[SCH DATE], [Group A Deliveries].[SCH TIME], [Group F Pick-ups].[SCH TIME], [Group A Deliveries].RATE, [Group F Pick-ups].RATE FROM [Group A Deliveries] INNER JOIN [Group F Pick-ups] ON [Group A Deliveries].[SCH DATE] = [Group F Pick-ups].[SCH DATE] WHERE ((([Group F Pick-ups]![SCH TIME]-[Group A Deliveries]![SCH TIME])>540.)) ORDER BY [Group A Deliveries].[SCH TIME];

END;

'ZONE 1/7

INSERT INTO [ZIP CODE SORTING FOR ALL & GROUPS] (ID\_DELIVERY, ID\_PICKUP, [TRAILER/CONTAINER\_DELIVERY], [TRAILER/CONTAINER\_PICKUP], DESTINATION\_DELIVERY, ZIP\_DELIVERY, DESTINATION\_PICKUP, ZIP\_PICKUP, [SCH DATE\_DELIVERY], [SCH TIME\_DELIVERY], [SCH TIME\_PICKUP], RATE\_DELIVERY, RATE\_PICKUP ) SELECT DISTINCTROW [Group A Deliveries].ID, [Group G Pick-ups].ID, [Group A Deliveries].[TRAILER/CONTAINER], [Group G Pick-ups].[TRAILER/CONTAINER], [Group A Deliveries].DESTINATION, [Group A Deliveries].ZIP, [Group G Pickups].DESTINATION, [Group G Pick-ups].ZIP, [Group A Deliveries].[SCH DATE], [Group A Deliveries].[SCH TIME], [Group G Pick-ups].[SCH TIME], [Group A Deliveries].RATE, [Group G Pick-ups].RATE FROM [Group A Deliveries] INNER JOIN [Group G Pick-ups] ON [Group A Deliveries].[SCH DATE] = [Group G Pick-ups].[SCH DATE] WHERE ((([Group G Pick-ups]![SCH TIME]-[Group A Deliveries]![SCH TIME])>393.33)) ORDER BY [Group A Deliveries].[SCH DATE]; END;

'ZONE 1/8

INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] (ID DELIVERY, ID PICKUP, [TRAILER/CONTAINER DELIVERY], [TRAILER/CONTAINER PICKUP], DESTINATION DELIVERY, ZIP DELIVERY, DESTINATION PICKUP, ZIP PICKUP, [SCH DATE DELIVERY], [SCH TIME DELIVERY], [SCH TIME PICKUP], RATE DELIVERY, RATE PICKUP) SELECT DISTINCTROW [Group A Deliveries].ID, [Group H Pickups].ID, [Group A Deliveries] [TRAILER/CONTAINER], [Group H Pickups] [TRAILER/CONTAINER], [Group A Deliveries] DESTINATION, [Group A Deliveries] ZIP, [Group H Pickups] DESTINATION, [Group H Pickups]. ZIP, [Group A Deliveries]. [SCH DATE], [Group A Deliveries]. [SCH TIME], [Group H Pickups]. [SCH TIME], [Group A Deliveries].RATE, [Group H Pickups].RATE FROM [Group H Pickups] INNER JOIN [Group A Deliveries] ON [Group H Pickups].[SCH DATE] = [Group A Deliveries].[SCH DATE] WHERE ((([Group H Pickups]![SCH TIME]-[Group A Deliveries]![SCH TIME])>213.33)) ORDER BY [Group A Deliveries]. [SCH DATE], [Group A Deliveries]. [SCH TIME], [Group H Pickups].[SCH TIME]; END;

'ZONE 1/9

INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] (ID\_DELIVERY, ID\_PICKUP, [TRAILER/CONTAINER\_DELIVERY], [TRAILER/CONTAINER\_PICKUP], DESTINATION\_DELIVERY, ZIP\_DELIVERY, DESTINATION\_PICKUP, ZIP\_PICKUP, [SCH DATE\_DELIVERY], [SCH TIME\_DELIVERY], [SCH TIME\_PICKUP], RATE\_DELIVERY, RATE\_PICKUP ) SELECT DISTINCTROW [Group A Deliveries].ID, [Group I Pickups].ID, [Group A Deliveries].[TRAILER/CONTAINER], [Group I Pickups].[TRAILER/CONTAINER], [Group A Deliveries].DESTINATION, [Group A Deliveries].ZIP, [Group I Pickups].DESTINATION, [Group I Pickups].ZIP, [Group I [Group A Deliveries].[SCH TIME], [Group I Pickups].[SCH TIME], [Group A Deliveries].RATE, [Group I Pickups].RATE FROM [Group I Pickups] INNER JOIN [Group A Deliveries] ON [Group I Pickups].[SCH DATE] = [Group A Deliveries].[SCH DATE] WHERE ((([Group I Pickups]![SCH TIME]-[Group A Deliveries]![SCH TIME])>326.67)) ORDER BY [Group A Deliveries].[SCH DATE], [Group A Deliveries].[SCH TIME], [Group I Pickups].[SCH TIME]; END;

# 'ZONE 2/1

INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] ( ID\_DELIVERY, ID\_PICKUP, [TRAILER/CONTAINER\_DELIVERY],

[TRAILER/CONTAINER\_PICKUP], DESTINATION\_DELIVERY, ZIP\_DELIVERY, DESTINATION PICKUP, ZIP PICKUP, [SCH DATE DELIVERY], [SCH

TIME\_DELIVERY], [SCH TIME\_PICKUP], RATE\_DELIVERY, RATE\_PICKUP) SELECT DISTINCTROW [Group B Deliveries].ID, [Group A Pick-ups].ID, [Group B Deliveries].[TRAILER/CONTAINER], [Group A Pick-ups].[TRAILER/CONTAINER], [Group B Deliveries].DESTINATION, [Group B Deliveries].ZIP, [Group A Pickups].DESTINATION, [Group A Pick-ups].ZIP, [Group B Deliveries].[SCH DATE], [Group B Deliveries].[SCH TIME], [Group A Pick-ups].[SCH TIME], [Group B

Deliveries].RATE, [Group A Pick-ups].RATE

FROM [Group A Pick-ups] INNER JOIN [Group B Deliveries] ON [Group A Pickups].[SCH DATE] = [Group B Deliveries].[SCH DATE]

WHERE ((([Group A Pick-ups]![SCH TIME]-[Group B Deliveries]![SCH TIME])>180.))

ORDER BY [Group B Deliveries].[SCH TIME], [Group A Pick-ups].[SCH TIME]; END;

# 'ZONE 2/3

INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] ( ID\_DELIVERY, ID\_PICKUP, [TRAILER/CONTAINER\_DELIVERY],

[TRAILER/CONTAINER\_PICKUP], DESTINATION\_DELIVERY, ZIP\_DELIVERY, DESTINATION\_PICKUP, ZIP\_PICKUP, [SCH DATE\_DELIVERY], [SCH TIME\_DELIVERY], [SCH TIME\_PICKUP], RATE\_DELIVERY, RATE\_PICKUP) SELECT DISTINCTROW [Group B Deliveries].ID, [Group C Pick-ups].ID, [Group B Deliveries].[TRAILER/CONTAINER], [Group C Pick-ups].[TRAILER/CONTAINER], [Group B Deliveries].DESTINATION, [Group B Deliveries].ZIP, [Group C Pickups].DESTINATION, [Group C Pick-ups].ZIP, [Group B Deliveries].[SCH DATE], [Group B Deliveries].[SCH TIME], [Group C Pick-ups].[SCH TIME], [Group B Deliveries].RATE, [Group C Pick-ups].RATE FROM [Group C Pick-ups] INNER JOIN [Group B Deliveries] ON [Group C Pickups].[SCH DATE] = [Group B Deliveries].[SCH DATE] WHERE ((([Group C Pick-ups]![SCH TIME]-[Group B Deliveries]![SCH TIME])>353.33)) ORDER BY [Group B Deliveries].[SCH DATE], [Group B Deliveries].[SCH TIME], [Group C Pick-ups].[SCH TIME]; END;

'ZONE 2/4

INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] (ID DELIVERY. ID PICKUP, [TRAILER/CONTAINER DELIVERY], [TRAILER/CONTAINER PICKUP], DESTINATION DELIVERY, ZIP DELIVERY, DESTINATION PICKUP, ZIP PICKUP, [SCH DATE DELIVERY], [SCH TIME DELIVERY], [SCH TIME PICKUP], RATE DELIVERY, RATE PICKUP) SELECT DISTINCTROW [Group B Deliveries].ID, [Group D Pick-ups].ID, [Group B Deliveries] [TRAILER/CONTAINER], [Group D Pick-ups]. [TRAILER/CONTAINER], [Group B Deliveries]. DESTINATION, [Group B Deliveries]. ZIP, [Group D Pickups].DESTINATION, [Group D Pick-ups].ZIP, [Group B Deliveries].[SCH DATE], [Group B Deliveries]. [SCH TIME], [Group D Pick-ups]. [SCH TIME], [Group B Deliveries].RATE, [Group D Pick-ups].RATE FROM [Group B Deliveries] INNER JOIN [Group D Pick-ups] ON [Group B Deliveries].[SCH DATE] = [Group D Pick-ups].[SCH DATE] WHERE ((([Group D Pick-ups]![SCH TIME]-[Group B Deliveries]![SCH TIME])>446.67)) ORDER BY [Group B Deliveries]. [SCH DATE]; END:

'ZONE 2/5

INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] (ID DELIVERY, ID PICKUP, [TRAILER/CONTAINER DELIVERY], [TRAILER/CONTAINER PICKUP], DESTINATION DELIVERY, ZIP DELIVERY, DESTINATION PICKUP, ZIP PICKUP, [SCH DATE DELIVERY], [SCH TIME DELIVERY], [SCH TIME PICKUP], RATE DELIVERY, RATE PICKUP) SELECT DISTINCTROW [Group B Deliveries].ID, [Group E Pick-ups].ID, [Group B Deliveries].[TRAILER/CONTAINER], [Group E Pick-ups].[TRAILER/CONTAINER], [Group B Deliveries] DESTINATION, [Group B Deliveries] ZIP, [Group E Pickups].DESTINATION, [Group E Pick-ups].ZIP, [Group B Deliveries].[SCH DATE], [Group B Deliveries]. [SCH TIME], [Group E Pick-ups]. [SCH TIME], [Group B Deliveries].RATE, [Group E Pick-ups].RATE FROM [Group B Deliveries] INNER JOIN [Group E Pick-ups] ON [Group B Deliveries] [SCH DATE] = [Group E Pick-ups] [SCH DATE] WHERE ((([Group E Pick-ups]![SCH TIME]-[Group B Deliveries]![SCH TIME])>553.33)) ORDER BY [Group B Deliveries]. [SCH DATE], [Group B Deliveries]. [SCH TIME], [Group E Pick-ups].[SCH TIME]; END;

'ZONE 2/6

INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] (ID DELIVERY, ID PICKUP, [TRAILER/CONTAINER DELIVERY]. [TRAILER/CONTAINER PICKUP], DESTINATION DELIVERY, ZIP DELIVERY, DESTINATION PICKUP, ZIP PICKUP, [SCH DATE DELIVERY], [SCH TIME DELIVERY], [SCH TIME PICKUP], RATE DELIVERY, RATE PICKUP) SELECT DISTINCTROW [Group B Deliveries].ID, [Group F Pick-ups].ID, [Group B Deliveries] [TRAILER/CONTAINER], [Group F Pick-ups] [TRAILER/CONTAINER], [Group B Deliveries] DESTINATION, [Group B Deliveries] ZIP, [Group F Pickups].DESTINATION, [Group F Pick-ups].ZIP, [Group B Deliveries].[SCH DATE], [Group B Deliveries]. [SCH TIME], [Group F Pick-ups]. [SCH TIME], [Group B Deliveries].RATE, [Group F Pick-ups].RATE FROM [Group F Pick-ups] INNER JOIN [Group B Deliveries] ON [Group F Pickups].[SCH DATE] = [Group B Deliveries].[SCH DATE] WHERE ((([Group F Pick-ups]![SCH TIME]-[Group B Deliveries]![SCH TIME])>426.67)) ORDER BY [Group B Deliveries]. [SCH DATE]; END;

'ZONE 2/7

INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] ( ID\_DELIVERY, ID PICKUP, [TRAILER/CONTAINER DELIVERY],

[TRAILER/CONTAINER\_PICKUP], DESTINATION\_DELIVERY, ZIP\_DELIVERY, DESTINATION\_PICKUP, ZIP\_PICKUP, [SCH DATE\_DELIVERY],

RATE\_DELIVERY, RATE\_PICKUP)

SELECT DISTINCTROW [Group B Deliveries].ID, [Group G Pick-ups].ID, [Group B Deliveries].[TRAILER/CONTAINER], [Group G Pick-ups].[TRAILER/CONTAINER], [Group B Deliveries].DESTINATION, [Group B Deliveries].ZIP, [Group G Pick-ups].DESTINATION, [Group G Pick-ups].ZIP, [Group B Deliveries].[SCH DATE], [Group B Deliveries].RATE, [Group G Pick-ups].RATE

FROM [Group G Pick-ups] INNER JOIN [Group B Deliveries] ON [Group G Pick-ups].[SCH DATE] = [Group B Deliveries].[SCH DATE]

WHERE ((([Group G Pick-ups]![SCH TIME]-[Group B Deliveries]![SCH TIME])>360.))

ORDER BY [Group B Deliveries].[SCH DATE], [Group B Deliveries].[SCH TIME], [Group G Pick-ups].[SCH TIME];

END;

'ZONE 2/8

INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] ( ID\_DELIVERY, ID\_PICKUP, [TRAILER/CONTAINER\_DELIVERY],

[TRAILER/CONTAINER\_PICKUP], DESTINATION\_DELIVERY, ZIP\_DELIVERY, DESTINATION\_PICKUP, ZIP\_PICKUP, [SCH DATE\_DELIVERY], [SCH TIME\_DELIVERY], [SCH TIME\_PICKUP], RATE\_DELIVERY, RATE\_PICKUP) SELECT DISTINCTROW [Group B Deliveries].ID, [Group H Pickups].ID, [Group B Deliveries].[TRAILER/CONTAINER], [Group H Pickups].[TRAILER/CONTAINER], [Group B Deliveries].DESTINATION, [Group B Deliveries].ZIP, [Group H Pickups].DESTINATION, [Group H Pickups].ZIP, [Group H Pickups].[SCH DATE], [Group B Deliveries].[SCH TIME], [Group H Pickups].[SCH TIME], [Group B Deliveries].RATE, [Group H Pickups].RATE FROM [Group H Pickups] INNER JOIN [Group B Deliveries] ON [Group H Pickups].[SCH DATE] = [Group B Deliveries].[SCH DATE] WHERE ((([Group H Pickups]![SCH TIME]-[Group B Deliveries]![SCH TIME])>253.33)) ORDER BY [Group H Pickups].[SCH DATE], [Group B Deliveries].[SCH TIME], [Group H Pickups].[SCH TIME]; END;

# 'ZONE 2/9

INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] (ID DELIVERY, ID PICKUP, [TRAILER/CONTAINER DELIVERY], [TRAILER/CONTAINER PICKUP], DESTINATION DELIVERY, ZIP DELIVERY, DESTINATION PICKUP, ZIP PICKUP, [SCH DATE DELIVERY], [SCH TIME DELIVERY], [SCH TIME PICKUP], RATE DELIVERY, RATE PICKUP) SELECT DISTINCTROW [Group B Deliveries].ID, [Group I Pickups].ID, [Group B Deliveries].[TRAILER/CONTAINER], [Group I Pickups].[TRAILER/CONTAINER], [Group B Deliveries] DESTINATION, [Group B Deliveries] ZIP, [Group I Pickups].DESTINATION, [Group I Pickups].ZIP, [Group B Deliveries].[SCH DATE], [Group B Deliveries] [SCH TIME], [Group I Pickups]. [SCH TIME], [Group B Deliveries].RATE, [Group I Pickups].RATE FROM [Group I Pickups] INNER JOIN [Group B Deliveries] ON [Group I Pickups].[SCH DATE] = [Group B Deliveries].[SCH DATE] WHERE ((([Group I Pickups]![SCH TIME]-[Group B Deliveries]![SCH TIME])>286.67)) ORDER BY [Group B Deliveries]. [SCH DATE], [Group B Deliveries]. [SCH TIME], [Group I Pickups].[SCH TIME]; END:

'ZONE 3/1

INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] ( ID\_DELIVERY, ID\_PICKUP, [TRAILER/CONTAINER\_DELIVERY], [TRAILER/CONTAINER\_PICKUP], DESTINATION\_DELIVERY, ZIP\_DELIVERY, DESTINATION\_PICKUP, ZIP\_PICKUP, [SCH DATE\_DELIVERY], [SCH TIME\_DELIVERY], [SCH TIME\_PICKUP], RATE\_DELIVERY, RATE\_PICKUP ) SELECT DISTINCTROW [Group C Deliveries].ID, [Group A Pick-ups].ID, [Group C Deliveries].[TRAILER/CONTAINER], [Group A Pick-ups].[TRAILER/CONTAINER], [Group C Deliveries].DESTINATION, [Group C Deliveries].ZIP, [Group A Pickups].DESTINATION, [Group A Pick-ups].[SCH DATE], [Group C Deliveries].[SCH TIME], [Group A Pick-ups].[SCH TIME], [Group C Deliveries].[SCH TIME], [Group A Pick-ups].[SCH TIME], [Group C FROM [Group C Deliveries] INNER JOIN [Group A Pick-ups] ON [Group C Deliveries].[SCH DATE] = [Group A Pick-ups].[SCH DATE] WHERE ((([Group A Pick-ups]![SCH TIME]-[Group C Deliveries]![SCH TIME])>386.67)) ORDER BY [Group C Deliveries].[SCH DATE], [Group C Deliveries].[SCH TIME], [Group A Pick-ups].[SCH TIME]; END;

# 'ZONE 3/2

INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] ( ID DELIVERY, ID PICKUP, [TRAILER/CONTAINER DELIVERY], [TRAILER/CONTAINER PICKUP], DESTINATION DELIVERY, ZIP DELIVERY, DESTINATION PICKUP, ZIP PICKUP, [SCH DATE DELIVERY], [SCH TIME DELIVERY], [SCH TIME PICKUP], RATE DELIVERY, RATE PICKUP) SELECT DISTINCTROW [Group C Deliveries].ID, [Group B Pick-ups].ID, [Group C Deliveries]. [TRAILER/CONTAINER], [Group B Pick-ups]. [TRAILER/CONTAINER], [Group C Deliveries] DESTINATION, [Group C Deliveries] ZIP, [Group B Pickups].DESTINATION, [Group B Pick-ups].ZIP, [Group C Deliveries].[SCH DATE], [Group C Deliveries].[SCH TIME], [Group B Pick-ups].[SCH TIME], [Group C Deliveries].RATE, [Group B Pick-ups].RATE FROM [Group B Pick-ups] INNER JOIN [Group C Deliveries] ON [Group B Pickups].[SCH DATE] = [Group C Deliveries].[SCH DATE] WHERE ((([Group B Pick-ups]![SCH TIME]-[Group C Deliveries]![SCH TIME])>353.33)) ORDER BY [Group C Deliveries]. [SCH DATE]; END;

'ZONE 3/4

INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] ( ID DELIVERY, ID PICKUP, [TRAILER/CONTAINER DELIVERY], [TRAILER/CONTAINER PICKUP], DESTINATION DELIVERY, ZIP DELIVERY, DESTINATION PICKUP, ZIP PICKUP, [SCH DATE DELIVERY], [SCH TIME DELIVERY], [SCH TIME PICKUP], RATE DELIVERY, RATE PICKUP) SELECT DISTINCTROW [Group C Deliveries].ID, [Group D Pick-ups].ID, [Group C Deliveries].[TRAILER/CONTAINER], [Group D Pick-ups].[TRAILER/CONTAINER], [Group C Deliveries] DESTINATION, [Group C Deliveries] ZIP, [Group D Pickups].DESTINATION, [Group D Pick-ups].ZIP, [Group C Deliveries]. [SCH DATE], [Group C Deliveries]. [SCH TIME], [Group D Pick-ups]. [SCH TIME], [Group C Deliveries].RATE, [Group D Pick-ups].RATE FROM [Group D Pick-ups] INNER JOIN [Group C Deliveries] ON [Group D Pickups].[SCH DATE] = [Group C Deliveries].[SCH DATE] WHERE ((([Group D Pick-ups]![SCH TIME]-[Group C Deliveries]![SCH TIME])>286.67)) ORDER BY [Group C Deliveries]. [SCH DATE]; END;

'ZONE 3/5

INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] (ID DELIVERY. ID PICKUP, [TRAILER/CONTAINER DELIVERY], [TRAILER/CONTAINER PICKUP], DESTINATION DELIVERY, ZIP DELIVERY, DESTINATION PICKUP, ZIP PICKUP, [SCH DATE DELIVERY], [SCH TIME DELIVERY], [SCH TIME PICKUP], RATE DELIVERY, RATE PICKUP) SELECT DISTINCTROW [Group C Deliveries].ID, [Group E Pick-ups].ID, [Group C Deliveries].[TRAILER/CONTAINER], [Group E Pick-ups].[TRAILER/CONTAINER], [Group C Deliveries] DESTINATION, [Group C Deliveries] ZIP, [Group E Pickups].DESTINATION, [Group E Pick-ups].ZIP, [Group C Deliveries].[SCH DATE], [Group C Deliveries]. [SCH TIME], [Group E Pick-ups]. [SCH TIME]. [Group C Deliveries].RATE, [Group E Pick-ups].RATE FROM [Group C Deliveries] INNER JOIN [Group E Pick-ups] ON [Group C Deliveries].[SCH DATE] = [Group E Pick-ups].[SCH DATE] WHERE ((([Group E Pick-ups]![SCH TIME]-[Group C Deliveries]![SCH TIME])>480)) ORDER BY [Group C Deliveries]. [SCH DATE], [Group C Deliveries]. [SCH TIME], [Group E Pick-ups].[SCH TIME]; END;

'ZONE 3/6

INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] (ID DELIVERY, ID PICKUP, [TRAILER/CONTAINER DELIVERY], [TRAILER/CONTAINER PICKUP], DESTINATION DELIVERY, ZIP DELIVERY, DESTINATION PICKUP, ZIP PICKUP, [SCH DATE DELIVERY], [SCH TIME DELIVERY], [SCH TIME PICKUP], RATE DELIVERY, RATE PICKUP) SELECT DISTINCTROW [Group C Deliveries].ID, [Group F Pick-ups].ID, [Group C Deliveries] [TRAILER/CONTAINER], [Group F Pick-ups] [TRAILER/CONTAINER], [Group C Deliveries].DESTINATION, [Group C Deliveries].ZIP, [Group F Pickups].DESTINATION, [Group F Pick-ups].ZIP, [Group C Deliveries].[SCH DATE], [Group C Deliveries] [SCH TIME], [Group F Pick-ups]. [SCH TIME], [Group C Deliveries].RATE, [Group F Pick-ups].RATE FROM [Group F Pick-ups] INNER JOIN [Group C Deliveries] ON [Group F Pickups][SCH DATE] = [Group C Deliveries][SCH DATE] WHERE ((([Group F Pick-ups]![SCH TIME]-[Group C Deliveries]![SCH TIME])>360)) ORDER BY [Group C Deliveries].[SCH DATE], [Group C Deliveries].[SCH TIME], [Group F Pick-ups].[SCH TIME]; END:

'ZONE 3/7

INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] (ID\_DELIVERY, ID\_PICKUP, [TRAILER/CONTAINER\_DELIVERY], [TRAILER/CONTAINER\_PICKUP], DESTINATION\_DELIVERY, ZIP\_DELIVERY, DESTINATION\_PICKUP, ZIP\_PICKUP, [SCH DATE\_DELIVERY], [SCH TIME\_DELIVERY], [SCH TIME\_PICKUP], RATE\_DELIVERY, RATE\_PICKUP) SELECT DISTINCTROW [Group C Deliveries].ID, [Group G Pick-ups].ID, [Group C Deliveries].[TRAILER/CONTAINER], [Group G Pick-ups].[TRAILER/CONTAINER], [Group C Deliveries].DESTINATION, [Group C Deliveries].ZIP, [Group G Pick-ups].DESTINATION, [Group G Pick-ups].[SCH DATE], [Group C Deliveries].[SCH TIME], [Group G Pick-ups].[SCH TIME], [Group C Deliveries].RATE, [Group G Pick-ups].RATE FROM [Group G Pick-ups] INNER JOIN [Group C Deliveries] ON [Group G Pick-ups].[SCH DATE] = [Group C Deliveries].[SCH DATE] WHERE ((([Group G Pick-ups]![SCH TIME]-[Group C Deliveries]![SCH TIME])>200))

ORDER BY [Group C Deliveries].[SCH DATE], [Group C Deliveries].[SCH TIME], [Group G Pick-ups].[SCH TIME];

END;

'ZONE 3/8

INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] (ID DELIVERY, ID PICKUP, [TRAILER/CONTAINER DELIVERY], [TRAILER/CONTAINER PICKUP], DESTINATION DELIVERY, ZIP DELIVERY, DESTINATION PICKUP, ZIP PICKUP, [SCH DATE DELIVERY], [SCH TIME DELIVERY], [SCH TIME PICKUP], RATE DELIVERY, RATE PICKUP) SELECT DISTINCTROW [Group C Deliveries].ID, [Group H Pickups].ID, [Group C Deliveries].[TRAILER/CONTAINER], [Group H Pickups].[TRAILER/CONTAINER], [Group C Deliveries]. DESTINATION, [Group C Deliveries]. ZIP, [Group H Pickups].DESTINATION, [Group H Pickups].ZIP, [Group C Deliveries].[SCH DATE], [Group C Deliveries]. [SCH TIME], [Group H Pickups]. [SCH TIME], [Group C Deliveries].RATE, [Group H Pickups].RATE FROM [Group H Pickups] INNER JOIN [Group C Deliveries] ON [Group H Pickups].[SCH DATE] = [Group C Deliveries].[SCH DATE] WHERE ((([Group H Pickups]![SCH TIME]-[Group C Deliveries]![SCH TIME])>273.33)) ORDER BY [Group C Deliveries] [SCH DATE], [Group C Deliveries] [SCH TIME], [Group H Pickups].[SCH TIME]; END;

'ZONE 3/9

INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] (ID\_DELIVERY, ID\_PICKUP, [TRAILER/CONTAINER\_DELIVERY], [TRAILER/CONTAINER\_PICKUP], DESTINATION\_DELIVERY, ZIP\_DELIVERY, DESTINATION\_PICKUP, ZIP\_PICKUP, [SCH DATE\_DELIVERY], [SCH TIME\_DELIVERY], [SCH TIME\_PICKUP], RATE\_DELIVERY, RATE\_PICKUP ) SELECT DISTINCTROW [Group C Deliveries].ID, [Group I Pickups].ID, [Group C Deliveries].[TRAILER/CONTAINER], [Group I Pickups].[TRAILER/CONTAINER], [Group C Deliveries].DESTINATION, [Group C Deliveries].ZIP, [Group I Pickups].DESTINATION, [Group I Pickups].ZIP, [Group I Pickups].[SCH TIME], [Group I Pickups].[SCH TIME], [Group C Deliveries].[SCH TIME], [Group I Pickups].[SCH TIME], [Group C FROM [Group I Pickups] INNER JOIN [Group C Deliveries] ON [Group I Pickups].[SCH DATE] = [Group C Deliveries].[SCH DATE] WHERE ((([Group I Pickups]![SCH TIME]-[Group C Deliveries]![SCH TIME])>386.67)) ORDER BY [Group C Deliveries].[SCH DATE], [Group C Deliveries].[SCH TIME], [Group I Pickups].[SCH TIME]; END;

## 'ZONE 4/1

INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] ( ID DELIVERY. ID PICKUP, [TRAILER/CONTAINER DELIVERY], [TRAILER/CONTAINER PICKUP], DESTINATION DELIVERY, ZIP DELIVERY, DESTINATION PICKUP, ZIP PICKUP, [SCH DATE DELIVERY], [SCH TIME DELIVERY], [SCH TIME PICKUP], RATE DELIVERY, RATE PICKUP) SELECT DISTINCTROW [Group D Deliveries].ID, [Group A Pick-ups].ID, [Group D Deliveries].[TRAILER/CONTAINER], [Group A Pick-ups].[TRAILER/CONTAINER], [Group D Deliveries]. DESTINATION, [Group D Deliveries]. ZIP, [Group A Pickups].DESTINATION, [Group A Pick-ups].ZIP, [Group D Deliveries].[SCH DATE], [Group D Deliveries]. [SCH TIME], [Group A Pick-ups]. [SCH TIME], [Group D Deliveries] RATE, [Group A Pick-ups] RATE FROM [Group A Pick-ups] INNER JOIN [Group D Deliveries] ON [Group A Pickups].[SCH DATE] = [Group D Deliveries].[SCH DATE] WHERE ((([Group A Pick-ups]![SCH TIME]-[Group D Deliveries]![SCH TIME])>560.)); END;

'ZONE 4/2

INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] ( ID DELIVERY, ID PICKUP, [TRAILER/CONTAINER DELIVERY], [TRAILER/CONTAINER PICKUP], DESTINATION DELIVERY, ZIP DELIVERY, DESTINATION PICKUP, ZIP PICKUP, [SCH DATE DELIVERY], [SCH TIME DELIVERY], [SCH TIME PICKUP], RATE DELIVERY, RATE PICKUP) SELECT DISTINCTROW [Group D Deliveries].ID, [Group B Pick-ups].ID, [Group D Deliveries].[TRAILER/CONTAINER], [Group B Pick-ups].[TRAILER/CONTAINER], [Group D Deliveries] DESTINATION, [Group D Deliveries] ZIP, [Group B Pickups].DESTINATION, [Group B Pick-ups].ZIP, [Group D Deliveries].[SCH DATE], [Group D Deliveries]. [SCH TIME], [Group B Pick-ups]. [SCH TIME], [Group D Deliveries].RATE, [Group B Pick-ups].RATE FROM [Group B Pick-ups] INNER JOIN [Group D Deliveries] ON [Group B Pickups].[SCH DATE] = [Group D Deliveries].[SCH DATE] WHERE ((([Group B Pick-ups]![SCH TIME]-[Group D Deliveries]![SCH  $TIME_{1} > 446.67)$ ORDER BY [Group D Deliveries] [SCH DATE], [Group D Deliveries] [SCH TIME], [Group B Pick-ups].[SCH TIME]; END;

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'ZONE 4/3

INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] ( ID\_DELIVERY, ID\_PICKUP, [TRAILER/CONTAINER\_DELIVERY],

[TRAILER/CONTAINER\_PICKUP], DESTINATION\_DELIVERY, ZIP\_DELIVERY, DESTINATION\_PICKUP, ZIP\_PICKUP, [SCH DATE\_DELIVERY], [SCH TIME\_DELIVERY], [SCH TIME\_PICKUP], RATE\_DELIVERY, RATE\_PICKUP ) SELECT DISTINCTROW [Group D Deliveries].ID, [Group C Pick-ups].ID, [Group D Deliveries].[TRAILER/CONTAINER], [Group C Pick-ups].[TRAILER/CONTAINER], [Group D Deliveries].DESTINATION, [Group D Deliveries].ZIP, [Group C Pickups].DESTINATION, [Group C Pick-ups].ZIP, [Group D Deliveries].[SCH DATE], [Group D Deliveries].[SCH TIME], [Group C Pick-ups].[SCH TIME], [Group D Deliveries].RATE, [Group C Pick-ups].RATE FROM [Group C Pick-ups] INNER JOIN [Group D Deliveries] ON [Group C Pickups].[SCH DATE] = [Group D Deliveries].[SCH DATE] WHERE ((([Group C Pick-ups]![SCH TIME]-[Group D Deliveries]![SCH TIME])>286.67)) ORDER BY [Group D Deliveries].[SCH DATE], [Group D Deliveries].[SCH TIME],

[Group C Pick-ups].[SCH TIME];

END;

'ZONE 4/5

INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] ( ID DELIVERY, ID PICKUP, [TRAILER/CONTAINER DELIVERY], [TRAILER/CONTAINER PICKUP], DESTINATION DELIVERY, ZIP DELIVERY, DESTINATION PICKUP, ZIP PICKUP, [SCH DATE DELIVERY], [SCH TIME DELIVERY], [SCH TIME PICKUP], RATE DELIVERY, RATE PICKUP) SELECT DISTINCTROW [Group D Deliveries].ID, [Group E Pick-ups].ID, [Group D Deliveries].[TRAILER/CONTAINER], [Group E Pick-ups].[TRAILER/CONTAINER], [Group D Deliveries]. DESTINATION, [Group D Deliveries]. ZIP, [Group E Pickups].DESTINATION, [Group E Pick-ups].ZIP, [Group E Pick-ups].[SCH DATE], [Group D Deliveries]. [SCH TIME], [Group E Pick-ups]. [SCH TIME], [Group D Deliveries].RATE, [Group E Pick-ups].RATE FROM [Group E Pick-ups] INNER JOIN [Group D Deliveries] ON [Group E Pickups].[SCH DATE] = [Group D Deliveries].[SCH DATE] WHERE ((([Group E Pick-ups]![SCH TIME]-[Group D Deliveries]![SCH TIME])>300)) ORDER BY [Group E Pick-ups]. [SCH DATE], [Group D Deliveries]. [SCH TIME], [Group E Pick-ups]. [SCH TIME];

'ZONE 4/6

END;

INSERT INTO [ZIP CODE SORTING FOR ALL & GROUPS] ( ID\_DELIVERY, ID\_PICKUP, [TRAILER/CONTAINER\_DELIVERY], [TRAILER/CONTAINER\_PICKUP], DESTINATION\_DELIVERY, ZIP\_DELIVERY,

DESTINATION\_PICKUP, ZIP\_PICKUP, [SCH DATE\_DELIVERY], [SCH TIME\_DELIVERY], [SCH TIME\_PICKUP], RATE\_DELIVERY, RATE\_PICKUP) SELECT DISTINCTROW [Group D Deliveries].ID, [Group F Pick-ups].ID, [Group D Deliveries].[TRAILER/CONTAINER], [Group F Pick-ups].[TRAILER/CONTAINER], [Group D Deliveries].DESTINATION, [Group D Deliveries].ZIP, [Group F Pickups].DESTINATION, [Group F Pick-ups].ZIP, [Group D Deliveries].[SCH DATE], [Group D Deliveries].[SCH TIME], [Group F Pick-ups].[SCH TIME], [Group D Deliveries].RATE, [Group F Pick-ups].RATE FROM [Group F Pick-ups] INNER JOIN [Group D Deliveries] ON [Group F Pickups].[SCH DATE] = [Group D Deliveries].[SCH DATE] WHERE ((([Group F Pick-ups]![SCH TIME]-[Group D Deliveries]![SCH TIME])>273.33)) ORDER BY [Group D Deliveries].[SCH DATE]; END;

'ZONE 4/7

INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] ( ID\_DELIVERY, ID\_PICKUP, [TRAILER/CONTAINER\_DELIVERY], [TRAILER/CONTAINER\_BICKUP] DESTINATION DELIVERY ZIP DELIVERY

[TRAILER/CONTAINER\_PICKUP], DESTINATION\_DELIVERY, ZIP\_DELIVERY, DESTINATION\_PICKUP, ZIP\_PICKUP, [SCH DATE\_DELIVERY], [SCH TIME\_DELIVERY], [SCH TIME\_PICKUP], RATE\_DELIVERY, RATE\_PICKUP ) SELECT DISTINCTROW [Group D Deliveries].ID, [Group G Pick-ups].ID, [Group D Deliveries].[TRAILER/CONTAINER], [Group G Pick-ups].[TRAILER/CONTAINER], [Group D Deliveries].DESTINATION, [Group D Deliveries].ZIP, [Group G Pickups].DESTINATION, [Group G Pick-ups].ZIP, [Group D Deliveries].[SCH DATE], [Group D Deliveries].[SCH TIME], [Group G Pick-ups].[SCH TIME], [Group D Deliveries].RATE, [Group G Pick-ups].RATE FROM [Group G Pick-ups] INNER JOIN [Group D Deliveries] ON [Group G Pickups].[SCH DATE] = [Group D Deliveries].[SCH DATE] WHERE ((([Group G Pick-ups]![SCH TIME]-[Group D Deliveries]![SCH TIME])>266.67)) ORDER BY [Group D Deliveries].[SCH DATE], [Group D Deliveries].[SCH TIME],

[Group G Pick-ups].[SCH TIME]; END;

'ZONE 4/8

INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] ( ID\_DELIVERY, ID\_PICKUP, [TRAILER/CONTAINER\_DELIVERY], [TRAILER/CONTAINER\_PICKUP], DESTINATION\_DELIVERY, ZIP\_DELIVERY, DESTINATION\_PICKUP, ZIP\_PICKUP, [SCH DATE\_DELIVERY], [SCH TIME\_DELIVERY], [SCH TIME\_PICKUP], RATE\_DELIVERY, RATE\_PICKUP ) SELECT DISTINCTROW [Group D Deliveries].ID, [Group H Pickups].ID, [Group D Deliveries].[TRAILER/CONTAINER], [Group H Pickups].[TRAILER/CONTAINER], [Group D Deliveries].DESTINATION, [Group D Deliveries].ZIP, [Group H Pickups].DESTINATION, [Group H Pickups].ZIP, [Group D Deliveries].[SCH DATE], [Group D Deliveries].[SCH TIME], [Group H Pickups].[SCH TIME], [Group D Deliveries].RATE, [Group H Pickups].RATE FROM [Group H Pickups] INNER JOIN [Group D Deliveries] ON [Group H Pickups].[SCH DATE] = [Group D Deliveries].[SCH DATE] WHERE ((([Group H Pickups]![SCH TIME]-[Group D Deliveries]![SCH TIME])>446.67)) ORDER BY [Group D Deliveries].[SCH DATE], [Group D Deliveries].[SCH TIME], [Group H Pickups].[SCH TIME]; END;

'ZONE 4/9

INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] ( ID DELIVERY, ID PICKUP, [TRAILER/CONTAINER DELIVERY], [TRAILER/CONTAINER PICKUP], DESTINATION DELIVERY, ZIP DELIVERY, DESTINATION PICKUP, ZIP PICKUP, [SCH DATE DELIVERY], [SCH TIME DELIVERY], [SCH TIME PICKUP], RATE DELIVERY, RATE PICKUP) SELECT DISTINCTROW [Group D Deliveries] ID, [Group I Pickups] ID, [Group D Deliveries].[TRAILER/CONTAINER], [Group I Pickups].[TRAILER/CONTAINER], [Group D Deliveries] DESTINATION, [Group D Deliveries].ZIP, [Group I Pickups].DESTINATION, [Group I Pickups].ZIP, [Group D Deliveries].[SCH DATE], [Group D Deliveries]. [SCH TIME], [Group I Pickups]. [SCH TIME], [Group D Deliveries].RATE, [Group I Pickups].RATE FROM [Group I Pickups] INNER JOIN [Group D Deliveries] ON [Group I Pickups].[SCH DATE] = [Group D Deliveries].[SCH DATE] WHERE ((([Group I Pickups]![SCH TIME]-[Group D Deliveries]![SCH TIME])>526.67)) ORDER BY [Group D Deliveries]. [SCH DATE], [Group D Deliveries]. [SCH TIME], [Group I Pickups].[SCH TIME];

END;

'ZONE 5/1

INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] ( ID\_DELIVERY, ID\_PICKUP, [TRAILER/CONTAINER\_DELIVERY], [TRAILER/CONTAINER\_PICKUP], DESTINATION\_DELIVERY, ZIP\_DELIVERY, DESTINATION\_PICKUP, ZIP\_PICKUP, [SCH DATE\_DELIVERY], [SCH TIME\_DELIVERY], [SCH TIME\_PICKUP], RATE\_DELIVERY, RATE\_PICKUP ) SELECT DISTINCTROW [Group E Deliveries].ID, [Group A Pick-ups].ID, [Group E Deliveries].[TRAILER/CONTAINER], [Group A Pick-ups].[TRAILER/CONTAINER], [Group E Deliveries].DESTINATION, [Group E Deliveries].ZIP, [Group A Pickups].DESTINATION, [Group A Pick-ups].[SCH DATE], [Group E Deliveries].[SCH TIME], [Group A Pick-ups].[SCH TIME], [Group E Deliveries].[SCH TIME], [Group A Pick-ups].[SCH TIME], [Group E Deliveries].RATE, [Group A Pick-ups].RATE FROM [Group A Pick-ups] INNER JOIN [Group E Deliveries] ON [Group A Pick-

ups].[SCH DATE] = [Group E Deliveries].[SCH DATE]

WHERE ((([Group A Pick-ups]![SCH TIME]-[Group E Deliveries]![SCH TIME])>666.67)) ORDER BY [Group E Deliveries].[SCH DATE], [Group E Deliveries].[SCH TIME], [Group A Pick-ups].[SCH TIME]; END;

'ZONE 5/2

INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] ( ID\_DELIVERY, ID\_PICKUP, [TRAILER/CONTAINER\_DELIVERY], [TRAILER/CONTAINER\_PICKUP], DESTINATION\_DELIVERY, ZIP\_DELIVERY, DESTINATION\_PICKUP, ZIP\_PICKUP, [SCH DATE\_DELIVERY], [SCH TIME\_DELIVERY], [SCH TIME\_PICKUP], RATE\_DELIVERY, RATE\_PICKUP ) SELECT DISTINCTROW [Group E Deliveries].ID, [Group B Pick-ups].ID, [Group E Deliveries].[TRAILER/CONTAINER], [Group B Pick-ups].[TRAILER/CONTAINER], [Group E Deliveries].DESTINATION, [Group E Deliveries].ZIP, [Group B Pickups].DESTINATION, [Group B Pick-ups].[SCH DATE], [Group E Deliveries].[SCH TIME], [Group B Pick-ups].[SCH TIME], [Group E Deliveries].RATE, [Group B Pick-ups].RATE FROM [Group B Pick-ups] INNER JOIN [Group E Deliveries] ON [Group B Pick-

ups].[SCH DATE] = [Group E Deliveries].[SCH DATE]

WHERE ((([Group B Pick-ups]![SCH TIME]-[Group E Deliveries]![SCH TIME])>553.33))

ORDER BY [Group E Deliveries].[SCH DATE], [Group E Deliveries].[SCH TIME], [Group B Pick-ups].[SCH TIME]; END;

'ZONE 5/3

INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] ( ID DELIVERY, ID PICKUP, [TRAILER/CONTAINER DELIVERY], [TRAILER/CONTAINER PICKUP], DESTINATION DELIVERY, ZIP DELIVERY, DESTINATION PICKUP, ZIP PICKUP, SCH DATE DELIVERY], SCH TIME DELIVERY], [SCH TIME PICKUP], RATE DELIVERY, RATE PICKUP) SELECT DISTINCTROW [Group E Deliveries].ID, [Group C Pick-ups].ID, [Group E Deliveries] [TRAILER/CONTAINER], [Group C Pick-ups] [TRAILER/CONTAINER], [Group E Deliveries].DESTINATION, [Group E Deliveries].ZIP, [Group C Pickups] DESTINATION, [Group C Pick-ups] ZIP, [Group E Deliveries]. [SCH DATE], [Group E Deliveries]. [SCH TIME], [Group C Pick-ups]. [SCH TIME], [Group E Deliveries].RATE, [Group C Pick-ups].RATE FROM [Group C Pick-ups] INNER JOIN [Group E Deliveries] ON [Group C Pickups].[SCH DATE] = [Group E Deliveries].[SCH DATE] WHERE ((([Group C Pick-ups]![SCH TIME]-[Group E Deliveries]![SCH TIME])>480)) ORDER BY [Group E Deliveries]. [SCH DATE]; END:

'ZONE 5/4

INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] ( ID\_DELIVERY, ID\_PICKUP, [TRAILER/CONTAINER\_DELIVERY],

[TRAILER/CONTAINER\_PICKUP], DESTINATION\_DELIVERY, ZIP\_DELIVERY, DESTINATION\_PICKUP, ZIP\_PICKUP, [SCH DATE\_DELIVERY], [SCH TIME\_DELIVERY], [SCH TIME\_PICKUP], RATE\_DELIVERY, RATE\_PICKUP ) SELECT DISTINCTROW [Group E Deliveries].ID, [Group D Pick-ups].ID, [Group E Deliveries].[TRAILER/CONTAINER], [Group D Pick-ups].[TRAILER/CONTAINER], [Group E Deliveries].DESTINATION, [Group E Deliveries].ZIP, [Group D Pickups].DESTINATION, [Group D Pick-ups].ZIP, [Group D Pickups].DESTINATION, [Group D Pick-ups].[SCH TIME], [Group E Deliveries].[SCH TIME], [Group D Pick-ups].[SCH TIME], [Group E Deliveries].RATE, [Group D Pick-ups].RATE FROM [Group E Deliveries] INNER JOIN [Group D Pick-ups] ON [Group E Deliveries].[SCH DATE] = [Group D Pick-ups].[SCH DATE] WHERE ((([Group D Pick-ups]![SCH TIME]-[Group E Deliveries]![SCH TIME])>300)) ORDER BY [Group E Deliveries].[SCH TIME]; END;

'ZONE 5/7

INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] (ID\_DELIVERY, ID\_PICKUP, [TRAILER/CONTAINER\_DELIVERY], [TRAILER/CONTAINER\_PICKUP], DESTINATION\_DELIVERY, ZIP\_DELIVERY, DESTINATION\_PICKUP, ZIP\_PICKUP, [SCH DATE\_DELIVERY], [SCH TIME\_DELIVERY], [SCH TIME\_PICKUP], RATE\_DELIVERY, RATE\_PICKUP ) SELECT DISTINCTROW [Group E Deliveries].ID, [Group G Pick-ups] ID, [Group E Deliveries].[TRAILER/CONTAINER], [Group G Pick-ups].[TRAILER/CONTAINER], [Group E Deliveries].DESTINATION, [Group E Deliveries].ZIP, [Group G Pickups].DESTINATION, [Group G Pick-ups].ZIP, [Group E Deliveries].[SCH DATE], [Group E Deliveries].[SCH TIME], [Group G Pick-ups].[SCH TIME], [Group E Deliveries].RATE, [Group G Pick-ups].RATE FROM [Group E Deliveries] INNER JOIN [Group G Pick-ups] ON [Group E Deliveries].[SCH DATE] = [Group G Pick-ups].[SCH DATE] WHERE (((Croup C Pick upp)).[SCH TIME]).[SCH DATE]

WHERE ((([Group G Pick-ups]![SCH TIME]-[Group E Deliveries]![SCH TIME])>420.))

ORDER BY [Group E Deliveries].[SCH DATE], [Group E Deliveries].[SCH TIME], [Group G Pick-ups].[SCH TIME]; END;

'ZONE 5/8

INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] ( ID\_DELIVERY, ID\_PICKUP, [TRAILER/CONTAINER\_DELIVERY], [TRAILER/CONTAINER\_PICKUP], DESTINATION\_DELIVERY, ZIP\_DELIVERY, DESTINATION\_PICKUP, ZIP\_PICKUP, [SCH DATE\_DELIVERY], [SCH TIME DELIVERY], [SCH TIME PICKUP], RATE DELIVERY, RATE PICKUP ) SELECT DISTINCTROW [Group E Deliveries].ID, [Group H Pickups].ID, [Group E Deliveries].[TRAILER/CONTAINER], [Group H Pickups].[TRAILER/CONTAINER], [Group E Deliveries].DESTINATION, [Group E Deliveries].ZIP, [Group H Pickups].DESTINATION, [Group H Pickups].ZIP, [Group E Deliveries].[SCH DATE], [Group E Deliveries].[SCH TIME], [Group H Pickups].[SCH TIME], [Group E Deliveries].RATE, [Group H Pickups].RATE FROM [Group H Pickups] INNER JOIN [Group E Deliveries] ON [Group H Pickups].[SCH DATE] = [Group E Deliveries].[SCH DATE] WHERE ((([Group H Pickups]![SCH TIME]-[Group E Deliveries]![SCH DATE])>633.33)) ORDER BY [Group E Deliveries].[SCH DATE], [Group E Deliveries].[SCH TIME], [Group H Pickups].[SCH TIME]; END;

'ZONE 5/9

INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] ( ID DELIVERY, ID PICKUP, [TRAILER/CONTAINER DELIVERY], [TRAILER/CONTAINER PICKUP]. DESTINATION DELIVERY, ZIP DELIVERY, DESTINATION PICKUP, ZIP PICKUP, [SCH DATE DELIVERY], [SCH TIME DELIVERY], [SCH TIME PICKUP], RATE DELIVERY, RATE PICKUP) SELECT DISTINCTROW [Group E Deliveries].ID, [Group I Pickups].ID, [Group E Deliveries] [TRAILER/CONTAINER], [Group I Pickups]. [TRAILER/CONTAINER], [Group E Deliveries]. DESTINATION, [Group E Deliveries]. ZIP, [Group I Pickups].DESTINATION, [Group I Pickups].ZIP, [Group E Deliveries].[SCH DATE], [Group E Deliveries]. [SCH TIME], [Group I Pickups]. [SCH TIME], [Group E Deliveries].RATE, [Group I Pickups].RATE FROM [Group I Pickups] INNER JOIN [Group E Deliveries] ON [Group I Pickups] [SCH DATE] = [Group E Deliveries] [SCH DATE] WHERE ((([Group I Pickups]![SCH TIME]-[Group E Deliveries]![SCH TIME])>633.33)) ORDER BY [Group E Deliveries]. [SCH DATE]; END;

'ZONE 6/1

INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] ( ID\_DELIVERY, ID\_PICKUP, [TRAILER/CONTAINER\_DELIVERY],

[TRAILER/CONTAINER\_PICKUP], DESTINATION\_DELIVERY, ZIP\_DELIVERY, DESTINATION\_PICKUP, ZIP\_PICKUP, [SCH DATE\_DELIVERY], [SCH TIME\_DELIVERY], [SCH TIME\_PICKUP], RATE\_DELIVERY, RATE\_PICKUP) SELECT DISTINCTROW [Group F Deliveries].ID, [Group A Pick-ups].ID, [Group F Deliveries].[TRAILER/CONTAINER], [Group A Pick-ups].[TRAILER/CONTAINER], [Group F Deliveries].DESTINATION, [Group F Deliveries].ZIP, [Group A Pickups].DESTINATION, [Group A Pick-ups].ZIP, [Group A Pickups].DESTINATION, [Group A Pick-ups].[SCH DATE], [Group F Deliveries].[SCH TIME], [Group A Pick-ups].[SCH TIME], [Group F Deliveries].RATE, [Group A Pick-ups].RATE FROM [Group A Pick-ups] INNER JOIN [Group F Deliveries] ON [Group A Pickups].[SCH DATE] = [Group F Deliveries].[SCH DATE] WHERE ((([Group A Pick-ups]![SCH TIME]-[Group F Deliveries]![SCH TIME])>540)) ORDER BY [Group F Deliveries].[SCH DATE], [Group F Deliveries].[SCH TIME], [Group A Pick-ups].[SCH TIME]; END;

'ZONE 6/2

INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] ( ID\_DELIVERY, ID\_PICKUP, [TRAILER/CONTAINER\_DELIVERY],

[TRAILER/CONTAINER\_PICKUP], DESTINATION\_DELIVERY, ZIP\_DELIVERY, DESTINATION\_PICKUP, ZIP\_PICKUP, [SCH DATE\_DELIVERY], [SCH TIME\_DELIVERY], [SCH TIME\_PICKUP], RATE\_DELIVERY, RATE\_PICKUP ) SELECT DISTINCTROW [Group F Deliveries].ID, [Group B Pick-ups].ID, [Group F Deliveries].[TRAILER/CONTAINER], [Group B Pick-ups].[TRAILER/CONTAINER], [Group F Deliveries].DESTINATION, [Group F Deliveries].ZIP, [Group B Pickups].DESTINATION, [Group B Pick-ups].ZIP, [Group B Pickups].DESTINATION, [Group B Pick-ups].[SCH DATE], [Group F Deliveries].[SCH TIME], [Group B Pick-ups].[SCH TIME], [Group F Deliveries].RATE, [Group B Pick-ups].RATE

FROM [Group B Pick-ups] INNER JOIN [Group F Deliveries] ON [Group B Pickups].[SCH DATE] = [Group F Deliveries].[SCH DATE]

WHERE ((([Group B Pick-ups]![SCH TIME]-[Group F Deliveries]![SCH TIME])>426.67))

ORDER BY [Group F Deliveries].[SCH DATE], [Group F Deliveries].[SCH TIME], [Group B Pick-ups].[SCH TIME]; END;

'ZONE 6/3

INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] ( ID DELIVERY, ID PICKUP, [TRAILER/CONTAINER DELIVERY], [TRAILER/CONTAINER PICKUP], DESTINATION DELIVERY, ZIP DELIVERY, DESTINATION PICKUP, ZIP PICKUP, [SCH DATE DELIVERY], [SCH TIME DELIVERY], [SCH TIME PICKUP], RATE DELIVERY, RATE PICKUP) SELECT DISTINCTROW [Group F Deliveries].ID, [Group C Pick-ups].ID, [Group F Deliveries].[TRAILER/CONTAINER], [Group C Pick-ups].[TRAILER/CONTAINER], [Group F Deliveries]. DESTINATION, [Group F Deliveries]. ZIP, [Group C Pickups].DESTINATION, [Group C Pick-ups].ZIP, [Group F Deliveries].[SCH DATE], [Group F Deliveries]. [SCH TIME], [Group C Pick-ups]. [SCH TIME], [Group F Deliveries].RATE, [Group C Pick-ups].RATE FROM [Group C Pick-ups] INNER JOIN [Group F Deliveries] ON [Group C Pickups].[SCH DATE] = [Group F Deliveries].[SCH DATE] WHERE ((([Group C Pick-ups]![SCH TIME]-[Group F Deliveries]![SCH TIME])>360)) ORDER BY [Group F Deliveries]. [SCH DATE], [Group F Deliveries]. [SCH TIME], [Group C Pick-ups]. [SCH TIME]; END;

'ZONE 6/4

INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] ( ID\_DELIVERY, ID\_PICKUP, [TRAILER/CONTAINER\_DELIVERY],

[TRAILER/CONTAINER\_PICKUP], DESTINATION\_DELIVERY, ZIP\_DELIVERY, DESTINATION\_PICKUP, ZIP\_PICKUP, [SCH DATE\_DELIVERY], [SCH TIME\_DELIVERY], [SCH TIME\_PICKUP], RATE\_DELIVERY, RATE\_PICKUP) SELECT DISTINCTROW [Group F Deliveries].ID, [Group D Pick-ups].ID, [Group F Deliveries].[TRAILER/CONTAINER], [Group D Pick-ups].[TRAILER/CONTAINER], [Group F Deliveries].DESTINATION, [Group F Deliveries].ZIP, [Group D Pickups].DESTINATION, [Group D Pick-ups].ZIP, [Group D Pickups].DESTINATION, [Group D Pick-ups].[SCH TIME], [Group F Deliveries].[SCH TIME], [Group D Pick-ups].[SCH TIME], [Group F Deliveries].RATE, [Group D Pick-ups].RATE FROM [Group D Pick-ups] INNER JOIN [Group F Deliveries] ON [Group D Pickups].[SCH DATE] = [Group F Deliveries].[SCH DATE] WHERE ((([Group D Pick-ups]![SCH TIME]-[Group F Deliveries]![SCH TIME])>273.33)) ORDER BY [Group F Deliveries].[SCH DATE], [Group F Deliveries].[SCH TIME],

[Group D Pick-ups].[SCH TIME];

'ZONE 6/5

END;

INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] (ID DELIVERY, ID PICKUP, [TRAILER/CONTAINER DELIVERY], [TRAILER/CONTAINER PICKUP], DESTINATION DELIVERY, ZIP DELIVERY, DESTINATION PICKUP, ZIP PICKUP, [SCH DATE DELIVERY], [SCH TIME DELIVERY], [SCH TIME PICKUP], RATE DELIVERY, RATE PICKUP) SELECT DISTINCTROW [Group F Deliveries].ID, [Group E Pick-ups].ID, [Group F Deliveries] [TRAILER/CONTAINER], [Group E Pick-ups] [TRAILER/CONTAINER], [Group F Deliveries]. DESTINATION, [Group F Deliveries]. ZIP, [Group E Pickups].DESTINATION, [Group E Pick-ups].ZIP, [Group F Deliveries].[SCH DATE], [Group F Deliveries]. [SCH TIME], [Group E Pick-ups]. [SCH TIME], [Group F Deliveries].RATE, [Group E Pick-ups].RATE FROM [Group F Deliveries] INNER JOIN [Group E Pick-ups] ON [Group F Deliveries].[SCH DATE] = [Group E Pick-ups].[SCH DATE] WHERE ((([Group E Pick-ups]![SCH TIME]-[Group F Deliveries]![SCH TIME])>116)) ORDER BY [Group F Deliveries]. [SCH DATE], [Group F Deliveries]. [SCH TIME], [Group E Pick-ups].[SCH TIME]; END;

'ZONE 6/7

INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] ( ID\_DELIVERY, ID\_PICKUP, [TRAILER/CONTAINER\_DELIVERY], [TRAILER/CONTAINER\_PICKUP], DESTINATION\_DELIVERY, ZIP\_DELIVERY, DESTINATION\_PICKUP, ZIP\_PICKUP, [SCH DATE\_DELIVERY], [SCH TIME\_DELIVERY], [SCH TIME\_PICKUP], RATE\_DELIVERY, RATE\_PICKUP ) SELECT DISTINCTROW [Group F Deliveries].ID, [Group G Pick-ups].ID, [Group F Deliveries].[TRAILER/CONTAINER], [Group G Pick-ups].[TRAILER/CONTAINER], [Group F Deliveries].DESTINATION, [Group F Deliveries].ZIP, [Group G Pickups].DESTINATION, [Group G Pick-ups].ZIP, [Group F Deliveries].[SCH DATE], [Group F Deliveries].[SCH TIME], [Group G Pick-ups].[SCH TIME], [Group F Deliveries].RATE, [Group G Pick-ups].RATE FROM [Group F Deliveries] INNER JOIN [Group G Pick-ups] ON [Group F Deliveries].[SCH DATE] = [Group G Pick-ups].[SCH DATE] WHERE ((([Group G Pick-ups]![SCH TIME]-[Group F Deliveries]![SCH TIME])>253.33)) ORDER BY [Group F Deliveries].[SCH TIME]; END;

'ZONE 6/8

INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] ( ID DELIVERY, ID PICKUP, [TRAILER/CONTAINER DELIVERY], [TRAILER/CONTAINER PICKUP], DESTINATION DELIVERY, ZIP DELIVERY, DESTINATION PICKUP, ZIP PICKUP, [SCH DATE DELIVERY], [SCH TIME DELIVERY], [SCH TIME PICKUP], RATE DELIVERY, RATE PICKUP) SELECT DISTINCTROW [Group F Deliveries].ID, [Group H Pickups].ID, [Group F Deliveries] [TRAILER/CONTAINER], [Group H Pickups] [TRAILER/CONTAINER], [Group F Deliveries] DESTINATION, [Group F Deliveries] ZIP, [Group H Pickups]. DESTINATION, [Group H Pickups]. ZIP, [Group F Deliveries]. [SCH DATE], [Group F Deliveries]. [SCH TIME], [Group H Pickups]. [SCH TIME], [Group F Deliveries] RATE, [Group H Pickups] RATE FROM [Group H Pickups] INNER JOIN [Group F Deliveries] ON [Group H Pickups].[SCH DATE] = [Group F Deliveries].[SCH DATE] WHERE ((([Group H Pickups]![SCH TIME]-[Group F Deliveries]![SCH TIME])>486.67)) ORDER BY [Group F Deliveries]. [SCH DATE], [Group F Deliveries]. [SCH TIME], [Group H Pickups].[SCH TIME]; END;

'ZONE 6/9

INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] ( ID\_DELIVERY, ID\_PICKUP, [TRAILER/CONTAINER\_DELIVERY], [TRAILER/CONTAINER\_PICKUP], DESTINATION\_DELIVERY, ZIP\_DELIVERY, DESTINATION\_PICKUP, ZIP\_PICKUP, [SCH DATE\_DELIVERY], [SCH TIME\_DELIVERY], [SCH TIME\_PICKUP], RATE\_DELIVERY, RATE\_PICKUP ) SELECT DISTINCTROW [Group F Deliveries].ID, [Group I Pickups].ID, [Group F Deliveries].[TRAILER/CONTAINER], [Group I Pickups].[TRAILER/CONTAINER], [Group F Deliveries].DESTINATION, [Group F Deliveries].ZIP, [Group I Pickups].DESTINATION, [Group I Pickups].ZIP, [Group F Deliveries].[SCH DATE], [Group F Deliveries].[SCH TIME], [Group I Pickups].[SCH TIME], [Group F Deliveries].RATE, [Group I Pickups].RATE FROM [Group I Pickups] INNER JOIN [Group F Deliveries] ON [Group I Pickups].[SCH DATE] = [Group F Deliveries].[SCH DATE] WHERE ((([Group I Pickups]![SCH TIME]-[Group F Deliveries]![SCH TIME])>506.67)) ORDER BY [Group F Deliveries].[SCH DATE]; END;

'ZONE 8/1

INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] ( ID\_DELIVERY, ID\_PICKUP, [TRAILER/CONTAINER\_DELIVERY],

[TRAILER/CONTAINER\_PICKUP], DESTINATION\_DELIVERY, ZIP\_DELIVERY, DESTINATION\_PICKUP, ZIP\_PICKUP, [SCH DATE\_DELIVERY], [SCH TIME\_DELIVERY], [SCH TIME\_PICKUP], RATE\_DELIVERY, RATE\_PICKUP ) SELECT DISTINCTROW [Group H Deliveries].ID, [Group A Pick-ups].ID, [Group H Deliveries].[TRAILER/CONTAINER], [Group A Pick-ups].[TRAILER/CONTAINER], [Group H Deliveries].DESTINATION, [Group H Deliveries].ZIP, [Group A Pickups].DESTINATION, [Group A Pick-ups].ZIP, [Group A Pickups].DESTINATION, [Group A Pick-ups].[SCH DATE], [Group H Deliveries].[SCH TIME], [Group A Pick-ups].[SCH TIME], [Group H Deliveries].RATE, [Group A Pick-ups].RATE

FROM [Group A Pick-ups] INNER JOIN [Group H Deliveries] ON [Group A Pickups].[SCH DATE] = [Group H Deliveries].[SCH DATE]

WHERE ((([Group A Pick-ups]![SCH TIME]-[Group H Deliveries]![SCH TIME])>213.33))

ORDER BY [Group H Deliveries].[SCH DATE], [Group H Deliveries].[SCH TIME], [Group A Pick-ups].[SCH TIME]; END;

'ZONE 8/2

INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] ( ID\_DELIVERY, ID\_PICKUP, [TRAILER/CONTAINER\_DELIVERY],

[TRAILER/CONTAINER\_PICKUP], DESTINATION\_DELIVERY, ZIP\_DELIVERY, DESTINATION\_PICKUP, ZIP\_PICKUP, [SCH DATE\_DELIVERY], [SCH TIME\_DELIVERY], [SCH TIME\_PICKUP], RATE\_DELIVERY, RATE\_PICKUP) SELECT DISTINCTROW [Group H Deliveries].ID, [Group B Pick-ups].ID, [Group H Deliveries].[TRAILER/CONTAINER], [Group B Pick-ups].[TRAILER/CONTAINER], [Group H Deliveries].DESTINATION, [Group H Deliveries].ZIP, [Group B Pickups].DESTINATION, [Group B Pick-ups].[SCH DATE], [Group H Deliveries].[SCH TIME], [Group B Pick-ups].[SCH DATE],

Deliveries].RATE, [Group B Pick-ups].RATE

FROM [Group B Pick-ups] INNER JOIN [Group H Deliveries] ON [Group B Pickups] [SCH DATE] = [Group H Deliveries].[SCH DATE]
WHERE ((([Group B Pick-ups]![SCH TIME]-[Group H Deliveries]![SCH TIME])>253.33)) ORDER BY [Group H Deliveries].[SCH DATE], [Group H Deliveries].[SCH TIME], [Group B Pick-ups].[SCH TIME]; END;

'ZONE 8/3

INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] ( ID\_DELIVERY, ID\_PICKUP, [TRAILER/CONTAINER\_DELIVERY], [TRAILER/CONTAINER\_PICKUP], DESTINATION\_DELIVERY, ZIP\_DELIVERY, DESTINATION\_PICKUP, ZIP\_PICKUP], DESTINATION\_DELIVERY], [SCH TIME\_DELIVERY], [SCH TIME\_PICKUP], RATE\_DELIVERY, RATE\_PICKUP ) SELECT DISTINCTROW [Group H Deliveries].ID, [Group C Pick-ups].ID, [Group H Deliveries].[TRAILER/CONTAINER], [Group C Pick-ups].[TRAILER/CONTAINER], [Group H Deliveries].DESTINATION, [Group H Deliveries].ZIP, [Group C Pickups].DESTINATION, [Group C Pick-ups].[SCH TIME], [Group H Deliveries].[SCH TIME], [Group C Pick-ups].[SCH TIME], [Group H Deliveries].RATE, [Group C Pick-ups].RATE FROM [Group C Pick-ups] INNER JOIN [Group H Deliveries] ON [Group C Pickups].[SCH DATE] = [Group H Deliveries].[SCH DATE] WHERE ((([Group C Pick-ups]![SCH TIME]-[Group H Deliveries]![SCH TIME])>273.33)) ORDER BY [Group H Deliveries] [SCH DATE]

ORDER BY [Group H Deliveries].[SCH DATE], [Group H Deliveries].[SCH TIME], [Group C Pick-ups].[SCH TIME]; END;

'ZONE 8/4

INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] ( ID\_DELIVERY, ID\_PICKUP, [TRAILER/CONTAINER\_DELIVERY],

[TRAILER/CONTAINER\_PICKUP], DESTINATION\_DELIVERY, ZIP\_DELIVERY, DESTINATION\_PICKUP, ZIP\_PICKUP, [SCH DATE\_DELIVERY], [SCH TIME\_DELIVERY], [SCH TIME\_PICKUP], RATE\_DELIVERY, RATE\_PICKUP ) SELECT DISTINCTROW [Group H Deliveries].ID, [Group D Pick-ups].ID, [Group H Deliveries].[TRAILER/CONTAINER], [Group D Pick-ups].[TRAILER/CONTAINER], [Group H Deliveries].DESTINATION, [Group H Deliveries].ZIP, [Group D Pickups].DESTINATION, [Group D Pick-ups].ZIP, [Group D Pickups].DESTINATION, [Group D Pick-ups].[SCH DATE], [Group H Deliveries].[SCH TIME], [Group D Pick-ups].[SCH TIME], [Group H Deliveries].RATE, [Group D Pick-ups].RATE

FROM [Group D Pick-ups] INNER JOIN [Group H Deliveries] ON [Group D Pickups].[SCH DATE] = [Group H Deliveries].[SCH DATE]

WHERE ((([Group D Pick-ups]![SCH TIME]-[Group H Deliveries]![SCH TIME])>446.67))

ORDER BY [Group H Deliveries] [SCH DATE], [Group H Deliveries] [SCH TIME], [Group D Pick-ups] [SCH TIME],

END;

'ZONE 8/5

INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] ( ID\_DELIVERY, ID\_PICKUP, [TRAILER/CONTAINER\_DELIVERY],

[TRAILER/CONTAINER\_PICKUP], DESTINATION\_DELIVERY, ZIP\_DELIVERY, DESTINATION\_PICKUP, ZIP\_PICKUP, [SCH DATE\_DELIVERY], [SCH TIME\_DELIVERY], [SCH TIME\_PICKUP], RATE\_DELIVERY, RATE\_PICKUP) SELECT DISTINCTROW [Group H Deliveries].ID, [Group E Pick-ups].ID, [Group H Deliveries].[TRAILER/CONTAINER], [Group E Pick-ups].[TRAILER/CONTAINER], [Group H Deliveries].DESTINATION, [Group H Deliveries].ZIP, [Group E Pickups].DESTINATION, [Group E Pick-ups].ZIP, [Group H Deliveries].[SCH DATE], [Group H Deliveries].[SCH TIME], [Group E Pick-ups].[SCH TIME], [Group H Deliveries].RATE, [Group E Pick-ups].RATE

FROM [Group E Pick-ups] INNER JOIN [Group H Deliveries] ON [Group E Pickups].[SCH DATE] = [Group H Deliveries].[SCH DATE]

WHERE ((([Group E Pick-ups]![SCH TIME]-[Group H Deliveries]![SCH TIME])>633.33))

ORDER BY [Group H Deliveries].[SCH DATE], [Group H Deliveries].[SCH TIME], [Group E Pick-ups].[SCH TIME]; END;

'ZONE 8/6

INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] ( ID\_DELIVERY, ID\_PICKUP, [TRAILER/CONTAINER\_DELIVERY],

[TRAILER/CONTAINER\_PICKUP], DESTINATION\_DELIVERY, ZIP\_DELIVERY, DESTINATION\_PICKUP, ZIP\_PICKUP, [SCH DATE\_DELIVERY], [SCH TIME\_DELIVERY], [SCH TIME\_PICKUP], RATE\_DELIVERY, RATE\_PICKUP ) SELECT DISTINCTROW [Group H Deliveries].ID, [Group F Pick-ups].ID, [Group H Deliveries].[TRAILER/CONTAINER], [Group F Pick-ups].[TRAILER/CONTAINER], [Group H Deliveries].DESTINATION, [Group H Deliveries].ZIP, [Group F Pickups].DESTINATION, [Group F Pick-ups].ZIP, [Group H Deliveries].[SCH DATE], [Group H Deliveries].[SCH TIME], [Group F Pick-ups].[SCH TIME], [Group H Deliveries].RATE, [Group F Pick-ups].RATE FROM [Group F Pick-ups] INNER JOIN [Group H Deliveries] ON [Group F Pickups].[SCH DATE] = [Group H Deliveries].[SCH DATE] WHERE ((([Group F Pick-ups]![SCH TIME]-[Group H Deliveries]![SCH

TIME])>486.67))

ORDER BY [Group H Deliveries].[SCH DATE], [Group H Deliveries].[SCH TIME], [Group F Pick-ups].[SCH TIME];

END;

'ZONE 8/7

INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] ( ID\_DELIVERY, ID\_PICKUP, [TRAILER/CONTAINER\_DELIVERY], [TRAILER/CONTAINER\_PICKUP], DESTINATION\_DELIVERY, ZIP\_DELIVERY,

DESTINATION\_PICKUP, ZIP\_PICKUP, [SCH DATE\_DELIVERY], [SCH TIME\_DELIVERY], [SCH TIME\_PICKUP], RATE\_DELIVERY, RATE\_PICKUP ) SELECT DISTINCTROW [Group H Deliveries].ID, [Group G Pick-ups].ID, [Group H Deliveries].[TRAILER/CONTAINER], [Group G Pick-ups].[TRAILER/CONTAINER], [Group H Deliveries].DESTINATION, [Group H Deliveries].ZIP, [Group G Pickups].DESTINATION, [Group G Pick-ups].ZIP, [Group H Deliveries].[SCH DATE], [Group H Deliveries].[SCH TIME], [Group G Pick-ups].[SCH TIME], [Group H Deliveries].RATE, [Group G Pick-ups].RATE FROM [Group H Deliveries] INNER JOIN [Group G Pick-ups] ON [Group H Deliveries].[SCH DATE] = [Group G Pick-ups].[SCH DATE] WHERE ((([Group G Pick-ups]![SCH TIME]-[Group H Deliveries]![SCH TIME])>346.67)) ORDER BY [Group H Deliveries].[SCH DATE], [Group H Deliveries].[SCH TIME], [Group G Pick-ups].[SCH TIME]; END;

### 'ZONE 8/9

INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] ( ID DELIVERY, ID PICKUP, [TRAILER/CONTAINER DELIVERY], [TRAILER/CONTAINER PICKUP], DESTINATION DELIVERY, ZIP DELIVERY, DESTINATION PICKUP, ZIP PICKUP, [SCH DATE DELIVERY], [SCH TIME DELIVERY], [SCH TIME PICKUP], RATE DELIVERY, RATE PICKUP) SELECT DISTINCTROW [Group H Deliveries].ID, [Group I Pickups].ID, [Group H Deliveries].[TRAILER/CONTAINER], [Group I Pickups].[TRAILER/CONTAINER], [Group H Deliveries].DESTINATION, [Group H Deliveries].ZIP, [Group I Pickups]. DESTINATION, [Group I Pickups]. ZIP, [Group H Deliveries]. [SCH DATE], [Group H Deliveries]. [SCH TIME], [Group I Pickups]. [SCH TIME], [Group H Deliveries] RATE, [Group I Pickups].RATE FROM [Group H Deliveries] INNER JOIN [Group I Pickups] ON [Group H Deliveries].[SCH DATE] = [Group I Pickups].[SCH DATE] WHERE ((([Group I Pickups]![SCH TIME]-[Group H Deliveries]![SCH TIME])>340.)) ORDER BY [Group H Deliveries]. [SCH DATE], [Group H Deliveries]. [SCH TIME], [Group I Pickups].[SCH TIME]; END;

### 'ZONE 9/1

INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] ( ID\_DELIVERY, ID\_PICKUP, [TRAILER/CONTAINER\_DELIVERY], [TRAILER/CONTAINER\_PICKUP], DESTINATION\_DELIVERY, ZIP\_DELIVERY, DESTINATION\_PICKUP, ZIP\_PICKUP, [SCH DATE\_DELIVERY], [SCH TIME\_DELIVERY], [SCH TIME\_PICKUP], RATE\_DELIVERY, RATE\_PICKUP ) SELECT DISTINCTROW [Group I Deliveries].ID, [Group A Pick-ups].ID, [Group I Deliveries].[TRAILER/CONTAINER], [Group A Pick-ups].[TRAILER/CONTAINER], [Group I Deliveries].DESTINATION, [Group I Deliveries].ZIP, [Group A Pickups].DESTINATION, [Group A Pick-ups].ZIP, [Group I Deliveries].[SCH DATE], [Group I Deliveries].[SCH TIME], [Group A Pick-ups].[SCH TIME], [Group I Deliveries].RATE, [Group A Pick-ups].RATE FROM [Group A Pick-ups] INNER JOIN [Group I Deliveries] ON [Group A Pickups].[SCH DATE] = [Group I Deliveries].[SCH DATE] WHERE ((([Group A Pick-ups]![SCH TIME]-[Group I Deliveries]![SCH TIME])>326.67)) ORDER BY [Group I Deliveries].[SCH DATE]; END;

'ZONE 9/3

INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] ( ID DELIVERY, ID PICKUP, [TRAILER/CONTAINER DELIVERY], [TRAILER/CONTAINER PICKUP], DESTINATION DELIVERY, ZIP DELIVERY, DESTINATION PICKUP, ZIP PICKUP, [SCH DATE DELIVERY], [SCH TIME DELIVERY], [SCH TIME PICKUP], RATE DELIVERY, RATE PICKUP) SELECT DISTINCTROW [Group I Deliveries].ID, [Group C Pick-ups].ID, [Group I Deliveries].[TRAILER/CONTAINER], [Group C Pick-ups].[TRAILER/CONTAINER], [Group I Deliveries]. DESTINATION, [Group I Deliveries]. ZIP, [Group C Pickups].DESTINATION, [Group C Pick-ups].ZIP, [Group I Deliveries].[SCH DATE], [Group I Deliveries]. [SCH TIME], [Group C Pick-ups]. [SCH TIME], [Group I Deliveries].RATE, [Group C Pick-ups].RATE FROM [Group C Pick-ups] INNER JOIN [Group I Deliveries] ON [Group C Pickups].[SCH DATE] = [Group I Deliveries].[SCH DATE] WHERE ((([Group C Pick-ups]![SCH TIME]-[Group I Deliveries]![SCH TIME])>386.67)) ORDER BY [Group I Deliveries]. [SCH DATE], [Group I Deliveries]. [SCH TIME], [Group C Pick-ups].[SCH TIME];

END;

'ZONE 9/4

INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] ( ID\_DELIVERY, ID\_PICKUP, [TRAILER/CONTAINER\_DELIVERY], [TRAILER/CONTAINER\_PICKUP], DESTINATION\_DELIVERY, ZIP\_DELIVERY, DESTINATION\_PICKUP, ZIP\_PICKUP, [SCH DATE\_DELIVERY], [SCH TIME\_DELIVERY], [SCH TIME\_PICKUP], RATE\_DELIVERY, RATE\_PICKUP ) SELECT DISTINCTROW [Group I Deliveries].ID, [Group D Pick-ups].ID, [Group I Deliveries].[TRAILER/CONTAINER], [Group D Pick-ups].[TRAILER/CONTAINER], [Group I Deliveries].DESTINATION, [Group I Deliveries].ZIP, [Group D Pickups].DESTINATION, [Group D Pick-ups].[SCH TIME], [Group I Deliveries].[SCH TIME], [Group D Pick-ups].[SCH TIME], [Group I Deliveries].RATE, [Group D Pick-ups].[SCH TIME], [Group I Deliveries].RATE, [Group D Pick-ups].RATE FROM [Group D Pick-ups] INNER JOIN [Group I Deliveries] ON [Group D Pickups].[SCH DATE] = [Group I Deliveries].[SCH DATE] WHERE ((([Group D Pick-ups]![SCH TIME]-[Group I Deliveries]![SCH TIME])>526.67)) ORDER BY [Group I Deliveries].[SCH DATE], [Group I Deliveries].[SCH TIME], [Group D Pick-ups].[SCH TIME]; END;

'ZONE 9/5

INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] (ID DELIVERY, ID PICKUP, [TRAILER/CONTAINER DELIVERY]. [TRAILER/CONTAINER PICKUP], DESTINATION DELIVERY, ZIP DELIVERY, DESTINATION PICKUP, ZIP PICKUP, [SCH DATE DELIVERY], [SCH TIME DELIVERY], [SCH TIME PICKUP], RATE DELIVERY, RATE PICKUP) SELECT DISTINCTROW [Group I Deliveries].ID, [Group E Pick-ups].ID, [Group I Deliveries] [TRAILER/CONTAINER], [Group E Pick-ups]. [TRAILER/CONTAINER], [Group I Deliveries]. DESTINATION, [Group I Deliveries]. ZIP, [Group E Pickups].DESTINATION, [Group E Pick-ups].ZIP, [Group I Deliveries].[SCH DATE], [Group I Deliveries] [SCH TIME], [Group E Pick-ups] [SCH TIME], [Group I Deliveries] RATE, [Group E Pick-ups] RATE FROM [Group E Pick-ups] INNER JOIN [Group I Deliveries] ON [Group E Pickups].[SCH DATE] = [Group I Deliveries].[SCH DATE] WHERE ((([Group E Pick-ups]![SCH TIME]-[Group I Deliveries]![SCH TIME])>633.33)) ORDER BY [Group I Deliveries].[SCH DATE]; END:

'ZONE 9/6

INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] ( ID DELIVERY, ID PICKUP, [TRAILER/CONTAINER DELIVERY], [TRAILER/CONTAINER PICKUP], DESTINATION DELIVERY, ZIP DELIVERY, DESTINATION PICKUP, ZIP PICKUP, [SCH DATE DELIVERY], [SCH TIME DELIVERY], [SCH TIME PICKUP], RATE DELIVERY, RATE PICKUP) SELECT DISTINCTROW [Group I Deliveries].ID, [Group F Pick-ups].ID, [Group I Deliveries].[TRAILER/CONTAINER], [Group F Pick-ups].[TRAILER/CONTAINER], [Group I Deliveries] DESTINATION, [Group I Deliveries] ZIP, [Group F Pickups].DESTINATION, [Group F Pick-ups].ZIP, [Group I Deliveries].[SCH DATE], [Group I Deliveries]. [SCH TIME], [Group F Pick-ups]. [SCH TIME], [Group I Deliveries].RATE, [Group F Pick-ups].RATE FROM [Group F Pick-ups] INNER JOIN [Group I Deliveries] ON [Group F Pickups].[SCH DATE] = [Group I Deliveries].[SCH DATE] WHERE ((([Group F Pick-ups]][SCH TIME]-[Group I Deliveries]][SCH TIME])>506.67)) ORDER BY [Group I Deliveries]. [SCH DATE], [Group I Deliveries]. [SCH TIME], [Group F Pick-ups].[SCH TIME]; END;

'ZONE 9/7

INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] ( ID\_DELIVERY, ID PICKUP, [TRAILER/CONTAINER DELIVERY],

[TRAILER/CONTAINER\_PICKUP], DESTINATION\_DELIVERY, ZIP\_DELIVERY, DESTINATION\_PICKUP, ZIP\_PICKUP, [SCH DATE\_DELIVERY], [SCH TIME\_DELIVERY], [SCH TIME\_PICKUP], RATE\_DELIVERY, RATE\_PICKUP) SELECT DISTINCTROW [Group I Deliveries].ID, [Group G Pick-ups].ID, [Group I Deliveries].[TRAILER/CONTAINER], [Group G Pick-ups].[TRAILER/CONTAINER], [Group I Deliveries].DESTINATION, [Group I Deliveries].ZIP, [Group G Pickups].DESTINATION, [Group G Pick-ups].ZIP, [Group I Deliveries].[SCH DATE], [Group I Deliveries].[SCH TIME], [Group G Pick-ups].[SCH TIME], [Group I Deliveries].RATE, [Group G Pick-ups].RATE FROM [Group G Pick-ups] INNER JOIN [Group I Deliveries] ON [Group G Pickups].[SCH DATE] = [Group I Deliveries].[SCH DATE] WHERE ((([Group G Pick-ups]![SCH TIME]-[Group I Deliveries]![SCH TIME])>346.67)) ORDER BY [Group I Deliveries].[SCH DATE], [Group I Deliveries].[SCH TIME], [Group G Pick-ups].[SCH TIME], [Group I Deliveries].[SCH TIME], [Group G Pick-ups].[SCH TIME], [Group I Deliveries].[SCH TIME], [Group G Pick-ups]![SCH DATE], [Group I Deliveries].[SCH TIME], [Group G Pick-ups].[SCH TIME], [Group I Deliveries].[SCH TIME], [Group G Pick-ups].[SCH TIME], [Group I Deliveries].[SCH TIME], [Group G Pick-ups].[SCH TIME], [Group I Deliveries].[SCH TIME], [Group G Pick-ups].[SCH TIME];

END;

'ZONE 9/8

INSERT INTO [ZIP CODE SORTING FOR ALL 8 GROUPS] ( ID\_DELIVERY, ID\_PICKUP, [TRAILER/CONTAINER\_DELIVERY], [TRAILER/CONTAINER\_PICKUP], DESTINATION\_DELIVERY, ZIP\_DELIVERY,

[TRAILER/CONTAINER\_PICKUP], DESTINATION\_DELIVERY, ZIP\_DELIVERY, DESTINATION\_PICKUP, ZIP\_PICKUP, [SCH DATE\_DELIVERY], [SCH TIME\_DELIVERY], [SCH TIME\_PICKUP], RATE\_DELIVERY, RATE\_PICKUP ) SELECT DISTINCTROW [Group I Deliveries].ID, [Group H Pickups].ID, [Group I Deliveries].[TRAILER/CONTAINER], [Group H Pickups].[TRAILER/CONTAINER], [Group I Deliveries].DESTINATION, [Group I Deliveries].ZIP, [Group H Pickups].DESTINATION, [Group H Pickups].ZIP, [Group I Deliveries].[SCH DATE], [Group I Deliveries].[SCH TIME], [Group H Pickups].[SCH TIME], [Group I Deliveries].RATE, [Group H Pickups].RATE FROM [Group I Deliveries] INNER JOIN [Group H Pickups] ON [Group I Deliveries].[SCH DATE] = [Group H Pickups].[SCH DATE] WHERE ((([Group H Pickups]![SCH TIME]-[Group I Deliveries]![SCH TIME])>340.)) ORDER BY [Group I Deliveries].[SCH TIME]; END;

### **APPENDIX D**

## **DAILY PLACEMENT OF CONTAINERS**



Figure D.1 Days from Arrival by Rail to Scheduled Delivery by Truck for the date of April 25, 1994



Figure D.2 Days from Arrival by Rail to Scheduled Delivery by Truck for the date of April 26, 1994



Figure D.3 Days from Arrival by Rail to Scheduled Delivery by Truck for the date of April 27, 1994



Figure D.4 Days from Arrival by Rail to Scheduled Delivery by Truck for the date of April 28, 1994



Figure D.5 Days from Arrival by Rail to Scheduled Delivery by Truck for the date of April 29, 1994



Figure D.6 Days from Arrival by Rail to Scheduled Delivery by Truck for the date of May 2, 1994



Figure D.7 Days from Arrival by Rail to Scheduled Delivery by Truck for the date of May 3, 1994



Figure D.8 Days from Arrival by Rail to Scheduled Delivery by Truck for the date of May 4, 1994



Figure D.9 Days from Arrival by Rail to Scheduled Delivery by Truck for the date of May 5, 1994



Figure D.10 Days from Arrival by Rail to Scheduled Delivery by Truck for the date of May 6, 1994



Figure D.11 Days from Arrival by Rail to Scheduled Delivery by Truck for the date of May 7, 1994



Figure D.12 Days from Arrival by Rail to Scheduled Delivery by Truck for the date of May 9, 1994



Figure D.13 Days from Arrival by Rail to Scheduled Delivery by Truck for the date of May 10, 1994



Figure D.14 Days from Arrival by Rail to Scheduled Delivery by Truck for the date of May 11, 1994



Figure D.15 Days from Arrival by Rail to Scheduled Delivery by Truck for the date of May 12, 1994



Figure D.16 Days from Arrival by Rail to Scheduled Delivery by Truck for the date of May 13, 1994

#### **APPENDIX E**

### INDEXED RESULTS OF HEURISTIC FOR ONE HOUR AND TWO HOUR DETENTION TIMES

Section 1 Indexed Results: One Hour Detention Time

Section 2 Indexed Results: Two Hour Detention Time

INDEXED RESULTS: ONE HOUR DETENTION TIME

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TRAILER/CONTAINER_	DESTINATION_DELIVERY	DESTINATION_PICKUP	ZIP_D	ZIP_P	SCHDAT	SCH TIME_D	SCH TIME_P	ID_P	RATE_P	ID_D	RATE_D
BNAU280293	NEWARK, NU	FREEPORT, NY	07105	11520	5/3/94	900	1205	159	200	073	152
BNAU286513	SUCCASUNNA, NU	MOONACHIE, NJ	07876	07074	5/3/94	830	1605	158	166	076	200
BNAL1287039	DAYTON, NJ	MOONACHIE, NJ	08810	07074	5/3/94	1305	1605	157	166	077	200
BNAL1286266	BURLINGTON, NU	MILLVILLE, NJ	08016	08332	5/3/94	800	1000	156	471	079	343
BNAU282644	NEWARK, NJ	FREEPORT, NY	07114	11520	5/5/94	700	1505	162	200	091	152
BNAL/280607	GUILDERLAND CENTER, NY	FALL RIVER, MA	12085	02722	5/5/94	745	1400	161	626	092	539
BNAU287027	BRIDGEPORT, NJ	MILLVILLE, NJ	08014	08332	5/5/94	800	1000	163	471	093	404
BNAL1289734	DAYVILLE, CT	NO: HAVEN, CT	06241	06473	5/5/94	700	1405	243	404	096	546
BNAU287873	BURLINGTON, NU	MILLVILLE, NJ	08016	08332	5/6/94	830	1100	098	471	106	343
MDWU280411	GUILDERLAND CENTER, NY	DANBURY, CT	12085	06810	5/12/94	900	1505	189	408	133	539
BNAU286706	BRIDGEPORT, NJ	ELMWOOD PARK, NJ	08014	07407	5/12/94	800	1300	244	166	135	404
BNAU289454	BRIDGEPORT, NJ	CHESTER, PA	08014	19013	5/12/94	1000	1435	245	404	136	404
MDWU280059	BRIDGEPORT, NJ	VINELAND, NJ	08014	08360	5/13/94	800	1535	143	450	139	404
MDWU280368	BRIDGEPORT, NJ	САМР НІЦ, РА	08014	17011	5/13/94	900	1830	192	558	144	404
BNAU680687	BRIDGEPORT, NJ	MILLVILLE, NJ	08014	08332	5/6/94	800	1000	097	471	169	404
BNAL1289952	NEWARK, NJ	PATERSON, NJ	07105	07501	5/10/94	700	1035	181	166	179	152
MDWU280022	WINSTED, CT	DURHAM, CT	06098	06422	5/12/94	900	2359	190	461	187	471
BNAU281327	BRIDGEPORT, NJ	CAMP HILL, PA	08014	17011	5/13/94	900	1630	240	558	191	404

INDEXED RESULTS: TWO HOUR DETENTION TIME

	<u> </u>	r -		1	1	<b>r</b> -		1	T	1	T	<u> </u>	<u> </u>	T	T
	673	076	110	160	<b>06</b> 2	<b>8</b> 8	133	135	136	139	141	189	179	187	191
RATE P	8	<del>1</del> 8	166	30	828	404	408	<del>1</del> 8	404	450	2 <u>5</u> 8	471	<b>18</b>	461	568 568
۹ <u>0</u>	5 159	5 158	5 157	5 162	0 161	5 243	189	0244	5 245	5 143	192	860	5 181	9 190	0 240
Disch TIM	120	160	160	150	1400	140	150	1300	143	153	1830	1100	103	235	163
SCH TIM	ğ	83	130	20	74	702	ğ	æ	100	g	ğ	80	202	g	g
SCHDAT	5/3/94	5/3/94	5/3/94	5/5/94	5/5/94	5/5/94	5/12/94	5/12/94	5/12/94	5/13/94	5/13/94	5/6/94	5/10/94	5/12/94	5/13/94
ZIP P	11520	07074	07074	11520	02722	06473	06810	07407	19013	08360	17011	08332	07501	06422	17011
	07105	07876	06810	07114	12085	06241	12085	08014	08014	08014	08014	08014	07105	06098	08014
DESTINATION PICKUF	FREEPORT, NY	MOONACHE, NU	MOONACHE NU	FREEPORT, NY	FALL RIVER, MA	NO. HAVEN, CT	DANBURY, CT	ELMNCOD PARK NU	CHESTER, PA	VINELAND, NU	CAMP HILL, PA	MILLNILE NU	PATERSON, NU	DURHAM, CT	CAMP HILL, PA
DESTINATION DELIVERY	NEWARK NU	SUCCASIUNA, NU	DAYTON, NU	NEWARK NU	GUIDER AND CENTER, NY	DAYMLE, CT	GUIDER AND CENTER, NY	BRIDGEPORT, NU	BRIDGEPORT, NU	BRIDGEPORT, NU	BRIDGEPORT, NU	BRIDGEPORT, NU	NEWARK NU	WNSTED, CT	BRIDGEPORT, NU
TRALERCONTAINER P	BNALZ80293	BNAU286513	BNALD87039	BNAU282644	BNAU280607	BNAL289734	MDWU280411	BNAL286706	BNAU289454	MDWL280059	MDWL280368	BNAU287873	BNAU289962	MDWL280022	BNAL281327
TRALEROONTANER D	BNAL287039	BNAU680284	BNAL680282	BNAL680399	BNAL287153	BNAL289734	BNAL282407	MDWU280332	BNAL680643	MDWL280252	MDW/Z80368	MDWL280096	BNAU280708	MDWU280411	MDWL280059

### **APPENDIX F**

### NON-INDEXED RESULTS OF HEURISTIC FOR ONE HOUR AND TWO HOUR DETENTION TIMES

Section 1 Non-Indexed Results: One Hour Detention Time

Section 2 Non-Indexed Results: Two Hour Detention Time

# NON-INDEXED RESULTS: ONE HOUR DETENTION TIME

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			DESTINATION DIOI/UE							
TRAILER/CONTAINER_	TRAILER/CONTAINER_	DESTINATION DELIVERY	DESTINATION_PICKUP		SCHDAT	SCH TIME	SCH TIMETU	PRAIE H		RAIE_D
BNAU680282	BNAU28/039	DAYTON, NU	MOONACHIE, NJ	08810 0/0/4	5/3/94	1305	1605 157	166	0//	200
BNAU680282	BNAU286513	DAYTON, NJ	MOONACHIE, NJ	08810 07074	5/3/94	1305	1605 158	166	077	200
BNAU680284	BNAU287039	SUCCASUNNA, NJ	MOONACHIE, NJ	07876 07074	5/3/94	830	1605 157	166	076	200
BNAU680284	BNAU286513	SUCCASUNNA, NJ	MOONACHIE, NJ	07876 07074	5/3/94	830	1605 158	166	076	200
BNAU281290	BNAU287039	MIDDLETOWN, NY	MOONACHIE, NJ	10940 07074	5/3/94	800	1605 157	166	078	390
BNAU281290	BNAU286513	MIDDLETOWN, NY	MOONACHIE, NJ	10940 07074	5/3/94	800	1605 158	166	078	390
BNAU289734	BNAU289734	DAYVILLE, CT	NO. HAVEN, CT	06241 06473	5/5/94	700	1405 243	404	096	546
MDWU280411	MDWU280022	WINSTED, CT	DURHAM, CT	06098 06422	5/12/94	900	2359 190	461	187	471
BNAU286266	BNAU286266	BURLINGTON, NJ	MILLVILLE, NJ	08016 08332	5/3/94	800	1000 156	471	079	343
MDWU280397	BNAU286266	BRIDGEPORT, NJ	MILLVILLE, NJ	08014 08332	5/3/94	800	1000 156	471	075	404
BNAU286922	BNAU287027	BRIDGEPORT, NJ	MILLVILLE, NJ	08014 08332	5/5/94	800	1000 163	471	093	404
MDWU280096	BNAU680687	BRIDGEPORT, NJ	MILLVILLE, NJ	08014 08332	5/6/94	800	1000 097	471	169	404
MDWU280096	BNAU287873	BRIDGEPORT, NJ	MILLVILLE, NJ	08014 08332	5/6/94	800	1100 098	471	169	404
BNAU680687	BNAU287873	BURLINGTON, NJ	MILLVILLE, NJ	08016 08332	5/6/94	830	1100 098	471	106	343
BNAU287873	BNAU287873	BURLINGTON, NJ	MILLVILLE, NJ	08016 08332	5/6/94	900	1100 098	471	105	343
MDWU280332	BNAU286706	BRIDGEPORT, NJ	ELMWOOD PARK, NJ	08014 07407	5/12/94	800	1300 244	166	135	404
MDWU280332	BNAU289454	BRIDGEPORT, NJ	CHESTER, PA	08014 19013	5/12/94	800	1435 245	404	135	404
BNAU680643	BNAU286706	BRIDGEPORT, NJ	ELMWOOD PARK, NJ	08014 07407	5/12/94	1000	1300 244	166	136	404
BNAU680643	BNAU289454	BRIDGEPORT, NJ	CHESTER, PA	08014 19013	5/12/94	1000	1435 245	404	136	404
BNAU289454	BNAU286706	BRIDGEPORT, NJ	ELMWOOD PARK, NJ	08014 07407	5/12/94	1100	1300 244	166	137	404
BNAU289454	BNAU289454	BRIDGEPORT, NJ	CHESTER, PA	08014 19013	5/12/94	1100	1435 245	404	137	404
MDWU280252	MDWU280059	BRIDGEPORT, NJ	VINELAND, NJ	08014 08360	5/13/94	800	1535 143	450	139	404
MDWU280059	MDWU280059	BRIDGEPORT, NJ	VINELAND, NJ	08014 08360	5/13/94	900	1535 143	450	191	404
MDWU280368	MDWU280059	BRIDGEPORT, NJ	VINELAND, NJ	08014 08360	5/13/94	900	1535 143	450	144	404
MDWU280254	MDWU280059	BRIDGEPORT, NJ	VINELAND, NJ	08014 08360	5/13/94	1000	1535 143	450	140	404
BNAU680284	BNAU280293	SUCCASUNNA, NJ	FREEPORT, NY	07876 11520	5/3/94	830	1205 159	200	076	200
BNAU680284	BNAU287039	SUCCASUNNA, NJ	MOONACHIE, NJ	07876 07074	5/3/94	830	1605 157	166	076	200
BNAU680284	BNAU286513	SUCCASUNNA, NJ	MOONACHIE, NJ	07876 07074	5/3/94	830	1605 158	166	076	200
BNAU287039	BNAU280293	NEWARK, NJ	FREEPORT, NY	07105 11520	5/3/94	900	1205 159	200	073	152
BNAU287039	BNAU287039	NEWARK, NJ	MOONACHIE, NJ	07105 07074	5/3/94	900	1605 157	166	073	152
BNAU287039	BNAU286513	NEWARK, NJ	MOONACHIE, NJ	07105 07074	5/3/94	900	1605 158	166	073	152
BNAU680282	BNAU287039	DAYTON, NJ	MOONACHIE, NJ	08810 07074	5/3/94	1305	1605 157	166	077	200
BNAU680282	BNAU286513	DAYTON, NJ	MOONACHIE, NJ	08810 07074	5/3/94	1305	1605 158	166	077	200
BNAU680399	BNAU282644	NEWARK, NJ	FREEPORT, NY	07114 11520	5/5/94	700	1505 162	200	091	152
BNAU287027	BNAU282644	TRENTON, NJ	FREEPORT, NY	08638 11520	5/5/94	830	1505 162	200	095	343
BNAU280708	BNAU289952	NEWARK, NJ	PATERSON, NJ	07105 07501	5/10/94	700	1035 181	166	179	152
BNAU680273	BNAU282644	UNIVERSITY PARK, PA	FREEPORT, NY	16802 11520	5/5/94	800	1505 162	200	164	687
BNAU283511	BNAU282644	LITITZ, PA	FREEPORT, NY	17543 11520	5/5/94	1100	1505 162	200	094	513
BNAU280902	BNAU289952	MECHANICSBURG, PA	PATERSON, NJ	17055 07501	5/10/94	730	1035 181	166	122	568

TRAILER/CONTAINER_	TRAILER/CONTAINER_	DESTINATION_DELIVERY	DESTINATION_PICKUP	ZIP_D	ZIP_P	SCH DAT	SCH TIME	SCH TIME	ID_P	RATE_F	ID_D	RATE_D
BNAU286266	BNAU280293	BURLINGTON, NJ	FREEPORT, NY	08016	11520	5/3/94	800	1205	159	200	079	343
MDWU280397	BNAU280293	BRIDGEPORT, NJ	FREEPORT, NY	08014	11520	5/3/94	800	1205	159	200	075	404
BNAU286266	BNAU286513	BURLINGTON, NJ	MOONACHIE, NJ	08016	07074	5/3/94	800	1605	158	166	079	343
MDWU280397	BNAU286513	BRIDGEPORT, NJ	MOONACHIE, NJ	08014	07074	5/3/94	800	1605	158	166	075	404
BNAU286266	BNAU287039	BURLINGTON, NJ	MOONACHIE, NJ	08016	07074	5/3/94	800	1605	157	166	079	343
MDWU280397	BNAU287039	BRIDGEPORT, NJ	MOONACHIE, NJ	08014	07074	5/3/94	800	1605	157	166	075	404
MDWU280022	BNAU280293	BRIDGEPORT, NJ	FREEPORT, NY	08014	11520	5/3/94	900	1205	159	200	070	404
MDWU280022	BNAU286513	BRIDGEPORT, NJ	MOONACHIE, NJ	08014	07074	5/3/94	900	1605	158	166	070	404
MDWU280022	BNAU287039	BRIDGEPORT, NJ	MOONACHIE, NJ	08014	07074	5/3/94	900	1605	157	166	070	404
BNAU286123	BNAU286513	BRIDGEPORT, NJ	MOONACHIE, NJ	08014	07074	5/3/94	1000	1605	158	166	071	404
BNAU286123	BNAU287039	BRIDGEPORT, NJ	MOONACHIE, NJ	08014	07074	5/3/94	1000	1605	157	166	071	404
MDWU280416	BNAU286513	PHILADELPHIA, PA	MOONACHIE, NJ	19153	07074	5/3/94	1305	1605	158	166	074	385
MDWU280416	BNAU287039	PHILADELPHIA, PA	MOONACHIE, NJ	19153	07074	5/3/94	1305	1605	157	166	074	385
BNAU286922	BNAU282644	BRIDGEPORT, NJ	FREEPORT, NY	08014	11520	5/5/94	800	1505	162	200	093	404
MDWU280252	BNAU281327	BRIDGEPORT, NJ	CAMP HILL, PA	08014	17011	5/13/94	800	1630	240	558	139	404
MDWU280252	MDWU280368	BRIDGEPORT, NJ	CAMP HILL, PA	08014	17011	5/13/94	800	1830	192	558	139	404
MDWU280059	BNAU281327	BRIDGEPORT, NJ	CAMP HILL, PA	08014	17011	5/13/94	900	1630	240	558	191	404
MDWU280368	BNAU281327	BRIDGEPORT, NJ	CAMP HILL, PA	08014	17011	5/13/94	900	1630	240	558	144	404
MDWU280059	MDWU280368	BRIDGEPORT, NJ	CAMP HILL, PA	08014	17011	5/13/94	900	1830	192	558	191	404
MDWU280368	MDWU280368	BRIDGEPORT, NJ	CAMP HILL, PA	08014	17011	5/13/94	900	1830	192	558	144	404
MDWU280254	BNAU281327	BRIDGEPORT, NJ	CAMP HILL, PA	08014	17011	5/13/94	1000	1630	240	558	140	404
MDWU280254	MDWU280368	BRIDGEPORT, NJ	CAMP HILL, PA	08014	17011	5/13/94	1000	1830	192	558	140	404
BNAU286266	BNAU280293	BURLINGTON, NJ	FREEPORT, NY	08016	11520	5/3/94	800	1205	159	200	079	343
MDWU280397	BNAU280293	BRIDGEPORT, NJ	FREEPORT, NY	08014	11520	5/3/94	800	1205	159	200	075	404
BNAU286266	BNAU286513	BURLINGTON, NJ	MOONACHIE, NJ	08016	07074	5/3/94	800	1605	158	166	079	343
MDWU280397	BNAU286513	BRIDGEPORT, NJ	MOONACHIE, NJ	08014	07074	5/3/94	800	1605	158	166	075	404
BNAU286266	BNAU287039	BURLINGTON, NJ	MOONACHIE, NJ	08016	07074	5/3/94	800	1605	157	166	079	343
MDWU280397	BNAU287039	BRIDGEPORT, NJ	MOONACHIE, NJ	08014	07074	5/3/94	800	1605	157	166	075	404
MDWU280022	BNAU280293	BRIDGEPORT, NJ	FREEPORT, NY	08014	11520	5/3/94	900	1205	159	200	070	404
MDWU280022	BNAU286513	BRIDGEPORT, NJ	MOONACHIE, NJ	08014	07074	5/3/94	900	1605	158	166	070	404
MDWU280022	BNAU287039	BRIDGEPORT, NJ	MOONACHIE, NJ	08014	07074	5/3/94	900	1605	157	166	070	404
BNAU286123	BNAU286513	BRIDGEPORT, NJ	MOONACHIE, NJ	08014	07074	5/3/94	1000	1605	158	166	071	404
BNAU286123	BNAU287039	BRIDGEPORT, NJ	MOONACHIE, NJ	08014	07074	5/3/94	1000	1605	157	166	071	404
MDWU280416	BNAU286513	PHILADELPHIA, PA	MOONACHIE, NJ	19153	07074	5/3/94	1305	1605	158	166	074	385
MDWU280416	BNAU287039	PHILADELPHIA, PA	MOONACHIE, NJ	19153	07074	5/3/94	1305	1605	157	166	074	385
BNAU286922	BNAU282644	BRIDGEPORT, NJ	FREEPORT, NY	08014	11520	5/5/94	800	1505	162	200	093	404
BNAU287153	BNAU289734	GUILDERLAND CENTER, NY	NO. HAVEN, CT	12085	06473	5/5/94	745	1405 2	243	404	092	539
BNAU288230	BNAU289734	GUILDERLAND CENTER, NY	NO. HAVEN, CT	12085	06473	5/5/94	800	1405 2	243	404	090	539
BNAU282407	MDWU280022	GUILDERLAND CENTER, NY	DURHAM, CT	12085	06422	5/12/94	900	2359	190	461	133	539

TRAILER/CONTAINER_	TRAILER/CONTAINER_	DESTINATION_DELIVERY	DESTINATION_PICKUP	ZIP D	ZIP P	SCH DAT	SCH TIME	SCH TIME	ID F	RATE F		RATE D
MDWU280411	MDWU280411	WINSTED, CT	DANBURY, CT	06098	06810	5/12/94	900	1505	189	408	187	471
BNAU282407	MDWU280411	GUILDERLAND CENTER, NY	DANBURY, CT	12085	06810	5/12/94	900	1505	189	408	133	539
BNAU287153	BNAU280607	GUILDERLAND CENTER, NY	FALL RIVER, MA	12085	02722	5/5/94	745	1400	161	626	092	539
BNAU288230	BNAU280607	GUILDERLAND CENTER, NY	FALL RIVER, MA	12085	02722	5/5/94	800	1400	161	626	090	539
BNAU289734	BNAU282644	DAYVILLE, CT	FREEPORT, NY	06241	11520	5/5/94	0	0	162	200	096	546
BNAU281290	BNAU280293	MIDDLETOWN, NY	FREEPORT, NY	10940	11520	5/3/94	800	1205	159	200	078	390
BNAU281290	BNAU287039	MIDDLETOWN, NY	MOONACHIE, NJ	10940	07074	5/3/94	800	1605	157	166	078	390
BNAU281290	BNAU286513	MIDDLETOWN, NY	MOONACHIE, NJ	10940	07074	5/3/94	800	1605	158	166	078	390
BNAU289952	BNAU289952	MIDDLETOWN, NY	PATERSON, NJ	10940	07501	5/10/94	800	1035	181	166	120	390
BNAU287153	BNAU282644	GUILDERLAND CENTER, NY	FREEPORT, NY	12085	11520	5/5/94	745	1505	162	200	092	539
BNAU288230	BNAU282644	GUILDERLAND CENTER, NY	FREEPORT, NY	12085	11520	5/5/94	800	1505	162	200	090	539
MDWU280411	BNAU289454	WINSTED, CT	CHESTER, PA	06098	19013	5/12/94	900	1435	245	404	187	471
BNAU282407	BNAU289454	GUILDERLAND CENTER, NY	CHESTER, PA	12085	19013	5/12/94	900	1435	245	404	133	539
BNAU286266	BNAU280293	BURLINGTON, NJ	FREEPORT, NY	08016	11520	5/3/94	800	1205	159	200	079	343
MDWU280397	BNAU280293	BRIDGEPORT, NJ	FREEPORT, NY	08014	11520	5/3/94	800	1205	159	200	075	404
BNAU286266	BNAU286513	BURLINGTON, NJ	MOONACHIE, NJ	08016	07074	5/3/94	800	1605	158	166	079	343
MDWU280397	BNAU286513	BRIDGEPORT, NJ	MOONACHIE, NJ	08014	07074	5/3/94	800	1605	158	166	075	404
BNAU286266	BNAU287039	BURLINGTON, NJ	MOONACHIE, NJ	08016	07074	5/3/94	800	1605	157	166	079	343
MDWU280397	BNAU287039	BRIDGEPORT, NJ	MOONACHIE, NJ	08014	07074	5/3/94	800	1605	157	166	075	404
MDWU280022	BNAU280293	BRIDGEPORT, NJ	FREEPORT, NY	08014	11520	5/3/94	900	1205	159	200	070	404
MDWU280022	BNAU286513	BRIDGEPORT, NJ	MOONACHIE, NJ	08014	07074	5/3/94	900	1605	158	166	070	404
MDWU280022	BNAU287039	BRIDGEPORT, NJ	MOONACHIE, NJ	08014	07074	5/3/94	900	1605	157	166	070	404
BNAU286123	BNAU286513	BRIDGEPORT, NJ	MOONACHIE, NJ	08014	07074	5/3/94	1000	1605	158	166	071	404
BNAU286123	BNAU287039	BRIDGEPORT, NJ	MOONACHIE, NJ	08014	07074	5/3/94	1000	1605	157	166	071	404
MDWU280416	BNAU286513	PHILADELPHIA, PA	MOONACHIE, NJ	19153	07074	5/3/94	1305	1605	158	166	074	385
MDWU280416	BNAU287039	PHILADELPHIA, PA	MOONACHIE, NJ	19153	07074	5/3/94	1305	1605	157	166	074	385
BNAU286922	BNAU282644	BRIDGEPORT, NJ	FREEPORT, NY	08014	11520	5/5/94	800	1505	162	200	093	404
BNAU680273	BNAU289734	UNIVERSITY PARK, PA	NO. HAVEN, CT	16802	06473	5/5/94	800	1405	243	404	164	687
BNAU680273	BNAU280607	UNIVERSITY PARK, PA	FALL RIVER, MA	16802	02722	5/5/94	800	1400	161	626	164	687
BNAU286922	BNAU289734	BRIDGEPORT, NJ	NO. HAVEN, CT	08014	06473	5/5/94	800	1405	243	404	093	404
MDWU280332	MDWU280022	BRIDGEPORT, NJ	DURHAM, CT	08014	06422	5/12/94	800	2359	190	461	135	404
BNAU680643	MDWU280022	BRIDGEPORT, NJ	DURHAM, CT	08014	06422	5/12/94	1000	2359	190	461	136	404
BNAU289454	MDWU280022	BRIDGEPORT, NJ	DURHAM, CT	08014	06422	5/12/94	1100	2359	190	461	137	404
MDWU280056	MDWU280022	BRIDGEPORT, NJ	DURHAM, CT	08014	06422	5/12/94	1300	2359	190	461	138	404
MDWU280332	MDWU280411	BRIDGEPORT, NJ	DANBURY, CT	08014	06810	5/12/94	800	1505	189	408	135	404
BNAU680643	MDWU280411	BRIDGEPORT, NJ	DANBURY, CT	08014	06810	5/12/94	1000	1505	189	408	136	404
BNAU289454	MDWU280411	BRIDGEPORT, NJ	DANBURY, CT	08014	06810	5/12/94	1100	1505	189	408	137	404
BNAU286922	BNAU280607	BRIDGEPORT, NJ	FALL RIVER, MA	08014	02722	5/5/94	800	1400	161	626	093	404
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NON-INDEXED RESULTS: TWO HOUR DETENTION TIME

TRAILERCONTAINER D	TRALEPCONTANER P	DESTINATION DELVERY	DESTINATION PICKU	d dZ dZ	SCH DAT (	SCHTIM SC		D PRATE		RATE D
BNWL680282	BNAL287039	DAYTON NU	MOONMOHE, NU	06810 07074	5/3/94	1305	16051	57 168	6	8
BINU580282	BNML286513	DAYTON NU	MOONACHE, NU	06810 07074	5/3/94	1305	16051	<u>88</u>	6	କ୍ଷ
BNULGBO284	BNAL287039	SLOCASUNA, NU	MOONACHE N	07876 07074	5/3/94	88	1005	57 168	8	କ୍ଷ
BNML680284	BNWL286613	SUCCASUNA NU	MOONWOHE NU	07876 07074	5/3/94	g	16051	58 166	920	8
BNW_281290	BNAL287039	MIDDLETOWN, NY	MOONMACHE NU	10040 07074	5/3/94	88	16051	57 166	820	ଞ୍ଚ
BNML281290	BNWL286513	MIDDLETOWN, NY	MOONWOHE NU	10940 07074	5/3/94	800	16051	58 166 166	820	ଞ୍ଚ
BNWL289734	BNAL289734	DAYNILE CT	NO. HAVEN, CT	06241 06473	5/5/94	<b>00</b> 2	14052	43 404	880	546
MDWL280411	MDW 280022	WINSTED, CT	DURHAM CT	06096 06422	5/12/94	8	23591	90 <del>4</del> 61	187	471
MDWL280086	BNAL287873	BRIDGEPORT, NU	MILMILE NU	08014 08332	5/6/94	88	1100 0	38 471	<b>8</b>	<u>40</u>
MDWL080322	BNAL286706	BRIDGEPORT, NU	ELMNCOD PARK NU	08014 07407	5/12/94	88	1300 2	<b>44</b> 166	<del>13</del>	<b>\$</b>
MDWL280322	BNWL289454	BRIDGEPORT, NU	CHESTIER, PA	08014 19013	5/12/94	800	1435 2	45 404	135	404
BNAL680643	BNML286706	BRIDGEPORT, NU	ELMN00DPARK NU	08014 07407	2/12/94	100	13002	44 166	136	404
BNAL680643	BNAL289454	BRIDGEPORT, NU	CHESTIER, PA	08014 19013	5/12/94	1 180	14352	45 404	136	<u>\$</u>
BNAL 289454	BNAL 289454	BRIDGEPORT, NU	CHESTIER, PA	08014 19013	5/12/94	1100	1435.2	45 404	137	<u>\$</u>
MDW L80252	MDW 280059	BRIDGEPORT, NU	<b>NIAAN</b> N	08014 08360	5/13/94	88	15351	43 450	139	404
MDWL280059	MDWL280059	BRIDGEPORT, NU	UN AND NU	08014 08360	5/13/94	8	1535 1	43 450	<u>ð</u>	\$
MDW 280368	MDW 280059	BRIDGEPORT, NU	<b>UNEAD</b> , NU	08014 08360	5/13/94	8	15351	53 450	<u>4</u>	\$
MDWL280254	MDW 280059	BRIDGEPORT, NU	VINE AND, NU	08014 08360	5/13/94	100	1535 1	450	140	<u>4</u> 04
BNAL680284	BNAL 280293	SLOCASUNA NU	FREEPORT, NY	07876 11520	16/6/5	88	12051	39 Z00	9/0	200
BNAL680284	BNAL 287039	SLOCASUNA, NU	MOONMOHE N	07876 07074	5/3/94	88	16051	57 166	920	କ୍ଷ
BNML680284	BNML286513	SUCCASUNA NU	MOONACHE N	07876 07074	5/3/94	g	16051	89 186	976	200
BNML287039	BNAL280293	NEWARK NU	FREEPORT, NY	07105 11520	5/3/94	88	12051	30 200	ß	<u>छ</u>
BNML287039	BNML287039	NEWARK NU	MOONWOHE NU	07105 07074	5/3/94	806	16051	57 166	673	152
BNAL287039	BNML286613	NEWARK NU	MOONWOHE NU	07105 07074	5/3/94	800	1605 1	38 166	670	152
BNAL680282	BNML287009	DAYTON, NU	MOONACHE NU	06810 07074	5/3/94	1305	1605 1	57 166	6	200
BNAL 680282	BNW 286513	DAYTON, NU	MOONACHE, NU	06810 07074	5/3/94	1305	16051	89 193	6	88
BNAL680399	BNWL282644	NEWARK NU	FREEPORT, NY	07114 11520	5/5/94	8	1505 16	8 8	691	152
BNAL287027	BNW D82644	TRENTON N	FREEPORT, NY	08638 11520	5/5/94	830	1505 16	<u>2</u> 200	<b>00</b> 2	343
BNAL 280708	BNM 289952	NEWARK N	PATERSON NU	07105 07501	5/10/94	82	1035 18	अ. <del>1</del> 66	179	152
BNAL680273	BNALD82644	UNVERSITY PARK, PA	FREEPORT, NY	16802 11520	5/5/94	8	1505 16	В К	<u>ð</u>	687
BNAL283511	BNW D82644	LTTTZ, PA	FREEPORT, NY	17543 11520	5/5/94	<del>1</del> 8	150516	<mark>ន</mark> ស	ğ	513
BNU 286266	BNM 280293	BLALINGTON NU	FREEPORT, NY	08016 11520	5/3/94	88	1205 1	8	626	343
MDWL280397	BNM 280293	BRIDGEPORT, NU	FREEPORT, NY	08014 11520	5/3/94	B	12051	80	075	404
BNAL286266	BNAL286613	BLRUNGTON NU	MOONACHE NU	08016 07074	5/3/94	88	16051	<u>8</u>	g	अउ अउ

TRALEPROONTAINER D	NTRALERCONTAINER P	DESTINATION DELIVERY	DESTINATION PICK		SCHIDAT SC	HOS MILHO	JI WIL	PRATE F		RATE D
MDWL280397	BNWL286513	BRIDGEPORT, NU	MOONACHE NU	08014 07074	5/3/94	S	16051	8 1 <del>8</del>	ß	\$
BNAL266266	BNAL287039	BURINGTON, NU	MOONACHE NU	08016 07074	5/3/94	800	1605 1	7 166	ß	343
MDW/280397	BNML287039	BRIDGEPORT, NU	MOONACHE NU	08014 07074	53/94	800	16051	7 166	ŝ	\$
MDWL280022	BNAL286613	BRIDGEPORT, NU	MOONACHE NU	08014 07074	5/3/94	88	16051	88 166	g	\$
MDM/280022	BNAL287039	BRIDGEPORT, NJ	MOONACHE N	08014 07074	5/3/94	88	16051	57 <u>166</u>	B	\$
BNWL286123	BNML286613	BRIDGEPORT, NU	MOONACHE, NU	08014 07074	5/3/94	<u>8</u>	10051	83 166	1/10	24
BNAL286123	BNAL287039	BRIDGEPORI, NU	MOONACHE NU	08014 07074	5/3/94	<b>1</b> 80	16051	57 166	140	\$
BNALDB6522	BNAL282644	BRIDGEPORT, NU	FREEPORT, NY	08014 11520	5/5/94	g	150516	80 80 80	88	\$
MDWLB80252	BNWL281327	BRIDGEPORT, NU	CAMP HLL, PA	08014 17011	5/13/94	800	1630 24	10 568	<del>1</del> 38	404
MDW D80252	MDW 280368	BRIDGEPORT, NU	CAMP HLI, PA	08014 17011	5/13/94	80	183015	883 7288	139	\$
MDW 1280059	BNWL281327	BRIDGEPORT, NU	CAMP HLL, PA	08014 17011	5/13/94	88	1630 24	10 558	191	<b>4</b> 04
MDWL280368	BNWLBB1327	BRIDGEPORT, NU	CANP HLL, PA	08014 17011	5/13/94	006	1630 24	10 558	<u>4</u>	<b>\$</b>
MDW 280059	MDW 280368	BRIDGEPORT, NU	CAMPHLI, PA	08014 17011	5/13/94	88	1830 15	<b>2</b> 568	191	\$
MDWL280268	MDW 280368	BRIDGEPORT, NU	CAMP HLL, PA	08014 17011	5/13/94	86	1830 1(	22 558	144	<b>4</b>
MDW 280254	BNAL281327	BRIDGEPORT, NU	CAMP HIL, PA	08014 17011	5/13/94	1000	1630 24	8 <u>9</u> 200	140	404
MDW 280254	800082 MCM	BRIDGEPORT, NU	CAMP HLL, PA	08014 17011	5/13/94	1000	1830 15	1 <u>5</u> 58	<del>4</del>	\$
BNML286266	BNAL280293	BURJNGTON, NU	FREEPORT, NY	08016 11520	5/3/94	800	12051	39 200	ß	뜏
MDWL280397	BNWL280293	BRDGFORT, NU	FREEPORT, NY	08014 11520	5/3/94	800	12051	89 200	ß	<b>\$</b>
BNM 286266	BNAL286613	BLRJNGTON NU	MOONACHE, NU	08016 07074	5/3/94	800	16051	8 166	ß	efe St
MDWL280397	BNAL200513	BRIDGEPORT, NU	MOONACHE, NU	08014 07074	5/3/94	800	16051	8 1 <del>6</del> 6	ß	<b>4</b> 04
BNML286266	BNAL287039	BLRJNGTON NU	MOONACHE N	08016 07074	5/3/94	800	16051	7 166	ß	343
790082 MOM	BNAL287039	BRIDGEPORT, NU	MOONACHE N	08014 07074	5/3/94	88	1005 11	57 166 27	56	<b>\$</b>
20082 MCM	BNAL200513	BRIDGEPORT, NU	MOONACHE NU	08014 07074	53/94	800	1605 1	8 1 <del>6</del> 6	ß	404
MDWL280022	BNAL287039	BRIDGEPORT, NU	MOONACHE NU	08014 07074	53/94	88	1605 1	57 1 <del>68</del>	B	\$
BNWL286123	BNML200513	BRIDGEPORT, NU	MOONACHE NU	08014 07074	5/3/94	1000	16051!	8 166	1/10	404
BNWL286123	BNAL287039	BRIDGEPORT, NU	MOONACHE NU	08014 07074	5/3/94	1000	1605 19	57 1665	071	404
BNWL286922	BNAL282644	BRIDGEORI, NU	FREEPORT, NY	08014 11520	5/5/94	800	1505 16	2 200	88	<b>40</b> 4
BNML287153	BNAL209734	GULDER AND CENTER, NY	NO HAVEN CT	12085 06473	5/5/94	745	1405 24	B 404	8	539
BNML 288230	BNAL289734	GULDER AND CENTER IN	NO. HAVEN CT	12085 06473	5/5/94	800	1405 24	13 404	8	539
BNALD82407	ZZDO8ZI MCIW	GULDERAND CENTER, NY	DURIAN CT	12085 06422	5/12/94	8	23691	0 461	<del>8</del>	539
MDWL280411	MDW 280411	WNSTED, CT	DANBURY, CT	06098 06810	5/12/94	8	1381	80 408	187	471
BNALD82407	MDW/280411	GULDER AND CENTER, M	DANBURY, CT	12085 06810	5/12/94	8	15051	80 408	<u>छ</u>	83
BNAL287153	BNWL280607	GUILDER AND CENTER, M	FALL RVER, MA	12065 02722	5/5/94	745	1400	88	8	ß
BNWL288230	BNM (280607	GUIDER AND CENTER, M	FALL RVER, MA	12085 02722	5/5/94	8	<u>48</u>	N 628	8	83

RAIL FROM TANKER D	TRAIL HRICTNIANER PI	DESTINATION DE IMERY	DESTINATION PICK		PISCHINT	MILHOS	MITHOR	D PRATE		RATE D
ML269734	BNAL262644	DAYNILE CT	FREEPORT, NY	06241 115	20 5/5/94	0	0	85 200	88	546
WL281290	BNWL280293	MIDULETOWN, NY	FREEPORT, NY	10940 115	20 5/3/94	88	12051	59 200	870	390
WL281290	BNAL287039	MIDDLETOWN, NY	MOONACHE NU	10940 070	74 5/3/94	88	16051	57 166	820	390
WU281290	BNAL286613	MIDDLETOWN, NY	MOONACHE NU	10940 070	74 573/94	88	1605	58 166	870	390
NML287153	BNWL282644	GUILDERLAND CENTER, M	FREEPORT, NY	12085 115	20 5/5/94	745	15051	65 200	88	539
NALE8220	BNWL282644	GUILDER AND CENTER, M	FREEPORT, NY	12085 115	20 5/5/94	808	15051	65 200	88	539
DM/280411	BNWL289454	WINSTED, CT	CHESTER, PA	06098 190	13 5/12/94	8	14352	245 404	187	471
NAL286266	BNAL DB0293	BURUNGTON, NU	FREEPORT, NY	08016 115	573/94	88	12051	<b>59</b> 200	620	<b>3</b> 33
7000297	BNML280293	BRIDGEPORT, NU	FREEPORT, NY	08014 115	20 57394	88	12051	<b>200</b>	075	404
NAL286266	BNWL286613	BURJINGTON, NU	MOONACHE, NU	08016 070	74 5/3/94	800	1605	58 166	620	343
70002077	BNAL286613	BRIDGEPORT, NU	MOONACHE, NU	08014 070	74 5/3/94	800	1605	58 166	075	404
NAL286266	BNAL287039	BURUNGTON, NU	MOONACHE NU	08016 070	74 5/3/94	88	16051	57 166	620	अन्त अन्त
DM.280397	BNML287039	BRIDGEPORT, NU	MOONWAHE NU	08014 070	74 57394	800	16051	57 166	670	404
DWL280022	BNWL286613	BRIDGEPORT, NU	MOONACHE NU	08014 070	74 5/3/94	8	16051	58 166	<u>20</u>	404
DWL280022	BNML287039	BRIDGEPORT, NU	MOONACHE, NU	08014 070	174 5/3/94	006	1605 1	57 166	<b>Q20</b>	404
NAL286123	BNWL286613	BRIDGEPORT, NU	MOONACHE NU	08014 070	174 573/94	1000	16051	58 166	071	<u>4</u>
NAL286123	BNML287039	BRIDGEPORT, NU	MOONACHE, NU	08014 070	174 5/3/94	1000	16051	57 166	071	<b>4</b> 0
NAL286922	BNWL282644	BRIDGEPORT, NU	FREEPORT, NY	08014 115	20 5/5/94	800	1505 1	62 200	88	404
NAU680273	BNWL289734	UNVERSITY PARK, PA	NO. HAVEN, CT	16802 064	73 5/5/94	800	14052	43 404	164	687
NML200922	BNWL289734	BRIDGEPORT, NU	NO. HAVEN, CT	08014 064	73 57594	800	14052	43 404	88	404
DWL280322	MDW L280022	BRIDGEPORT, NU	DURHAM, CT	08014 064	22 5/12/94	88	23591	90 461	135	404
NAU680643	MDM/220022	BRIDGEPORT, NU	DURHAM, CT	08014 064	22 5/12/94	1000	23591	90 461	136	404
NAL289454	MDW/D80022	BRDGEPORT, NU	DURHAM, CT	08014 064	22 5/12/94	1100	23691	90 461	137	404
DWL280056	MDW D80022	BRIDGEPORI, NU	DURHAM, CT	08014 064	22 5/12/94	1300	23591	90 461	138	404
DWL280322	MDWL280411	BRIDGEPORT, NU	DANBURY, CT	08014 068	10 5/12/94	800	1505 1	89 408	135	404
NAL680643	MDWU280411	BRIDGEPORT, NU	DANBURY, CT	08014 068	10 5/12/94	1 80	15051	<b>89 408</b>	136	<b>\$</b>

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