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COMMUTER TRANSIT SERVICE: A FINANCIAL PERFORMANCE ANALYSIS

by

Kenneth C. Kaemmerle

Technical Report 1088-1F Technical Study Number 2-10-86-1088 Strategies for Break Even Transit Operations

Sponsored by the State Department of Highways and Public Transportation in cooperation with the U. S. Department of Transportation Urban MassTransportation Administration

> TEXAS TRANSPORTATION INSTITUTE Texas A&M University System College Station, TX 77843

23 **Approximate Conversions from Metric Measures Approximate Conversions to Metric Measures** 22 Symbol Symbol When You Know **Multiply by** To Find To Find Symbol **Multiply by** Symbol When You Know 3 LENGTH LENGTH 2 19 0.04 inches millimeters in *2.5 centimeters cm mm in inches 0.4 inches in centimeters 30 cm centimeters cm ft feet 3.3 feet ft 8 meters m 0.9 meters m yd yards meters 1.1 yards yd 1.6 kilometers km m mi miles mĭ 17 km kilometers 0.6 miles 1.1.1.1 AREA 16 AREA Ξ cm² in² 6.5 square centimeters square inches 12 Ξ in² m¹ square centimeters 0.16 square inches cm² ft² 0.09 square meters square feet yd2 yd2 m³ m² square meters 1.2 square yards square yards 0.8 square meters 44444 4 km² mi² km² square kilometers 0.4 square miles mi² square miles 2.6 square kilometers hectares (10,000 m²) 2.5 acres 0.4 hectares ha ha acres 3 MASS (weight) MASS (weight) 2 Ξ 0.035 ounces OZ 28 grams oz ounces grams g 9 kilograms 2.2 pounds lb lb pounds 0.45 kilograms kg kg 0 tonnes (1000 kg) 1.1 short tons 0.9 t t tonnes short tons (2000 lb) S -VOLUME VOLUME floz milliliters 0.03 fluid ounces ml 2.1 pints 5 milliliters liters pt ml 1 tsp teaspoons liters 1.06 quarts qt Tbsp 15 milliliters ml tablespoons 1 0.26 gations 30 milliliters mł L liters gal fi oz fluid ounces ft3 0.24 m, cubic meters 35 cubic feet liters 1 c cups yd³ 1.3 cubic yards m cubic meters 0.47 liters. pints pt 0.95 liters qt quarts **TEMPERATURE** (exact) 3.8 liters gal gallons ft3 0.03 m, cubic meters cubic feet °C. m³ vd3 0.76 cubic meters F cubic yards 9/5 (then Celsius Fahrenheit temperature add 32) temperature **TEMPERATURE** (exact) °F °c Fahrenheit 5/9 (after Celsius °F. subtracting temperature temperature °F 98.6 32) 212 22 200 40 40 80 120 160 20 40 -40 60 -20 A 80 100 37 °c °c

METRIC CONVERSION FACTORS

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



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EXECUTIVE SUMMARY

Mass transit services oriented to workers traveling between the suburbs and central city of major urban areas have become common in recent years as communities have sought to reduce congestion in principal transportation corridors during peak travel periods. These services may take the form of express bus, park-and-ride, rail rapid transit or light rail. In Texas, commuter services are presently limited to the bus mode. Transit planners have recognized that to attract trip makers the transit service offered must be of high quality. Many studies have been made of demand for commuter transit services and the design of the service that should be provided. Only a limited amount of attention has been paid to questions related to the cost of providing transit service and amount of transit system resources that are being devoted to commuter-oriented transit.

This study examines some of the financial issues related to commuter service by analyzing the financial performance of the commuter services of the Metropolitan Transit Authority of Harris County (METRO) serving the Houston metropolitan area. METRO financial and operating data from the first quarter of METRO's 1986 fiscal year (October-December 1985) were employed in the analysis. METRO uses a nine factor cost allocation model allowing a sensitive apportionment of cost by service type and by route. The model was used to apportion system cost in the first quarter of METRO's 1986 fiscal year (October-December 1985) among the local, express, and park-and-ride routes in service at the time. Costs were alternatively apportioned with and without depreciation charges. Service costs were further segregated by weekday peak and off-peak sevice periods. System revenue during the quarter was apportioned among the routes based on ridership and route-specific average fares.

The cost recovery ratio of METRO park-and-ride and express services has been used as the primary analytical measure of financial performance. The cost recovery ratio is the proportion of revenue received from users of a service to the costs incurred by operating the service. The net cost of service per revenue passenger was also determined. The net cost is the difference between cost and revenue. It is often called the operating subsidy. The net cost per revenue passenger is the average cost to the system of each passenger trip.

The analysis was designed to answer the following questions about METRO service:

- Do commuter services pay for themselves?
- Do revenues from commuter services pay more of the service cost than do local service revenues?
- Are the net costs per revenue passenger comparable for commuter and local sevices?
- Are cost recovery ratios and the net cost per revenue passenger the same during the peak and off-peak periods?

METRO park-and-ride service is also notable for its use of transitways in freeway medians and the fact that METRO has contracted with private operators for service on some of the routes. This study, therefore, has looked at two additional questions:

- Is there a difference between the cost recovery ratios and net cost per revenue passenger for park-and-ride routes that operate in transitways and those that do not?
- Is there a difference between cost recovery ratios and net cost per revenue passenger for routes operated by METRO and those operated by contractors?

The results of the analysis have shown that farebox receipts for METRO commuter services pay a larger percentage of the cost of the service than do local service revenues. However, the net cost per revenue passenger for commuter services is as much as twice that for local service. Local service has a slightly higher cost recovery ratio when only the peak period cost and revenue are considered. The cost recovery ratios for park-and-ride routes operating in transitways and those that do not are almost the same. The routes using the transitways have higher costs, but the costs are offset by the higher revenue associated with METRO's distance based park-and-ride fares. The net cost per revenue passenger for the transitway routes is lower than for those not using the transitways only when the capital cost of the transitway is not considered. Cost recovery ratios for contracted service are higher than for METRO-operated service and net cost per revenue passenger are lower. METRO park-and-ride services have been successful at attracting commuter ridership. However, the park-and-ride service carries only 12.3 percent of the weekday ridership and requires 20.4 percent of the operating subsidy.

IMPLEMENTATION STATEMENT

The findings of this report indicate that the continued expansion of commuter services, at least in the METRO service area, will consume an increasing proportion of the local operating subsidy. The study examined the potential of increasing revenue from commuter services and concluded that, with the current cost of substitute service (ie., automobile), the potential was limited. The choice would be between increasing revenue and decreasing ridership. The use of transitways to make commuter service more attractive appears to have been successful in that the cost recovery ratios for the routes using the transitways is comparable to those that do not. Attention should be paid to the source of financing for the transitways since the inclusion of their cost in the cost of service makes the cost of operating transitway routes 17 percent greater. Contract services have been found to have lower operating costs and, therefore, hold some potential for improving the financial performance of the park-and-ride service.

DISCLAIMER

The contents of this report reflect the view of the author who is responsible for the facts and accuracy of the date presented herein. The contents do not necessarily reflect the official views or policies of the Federal Highway Administration or the State Department of Highways and Public Transportation. This report does not constitute a standard, specification, or regulation.

There was no invention or discovery conceived or first actually reduced to practice in the course of or under this contract, including any art, method, process, machine, manufacture, design, or composition of matter, or any new or useful improvement thereof, or any variety of plant which is or may be patentable under the patent laws of the United States of America or any foreign country.

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Part I - INTRODUCTION TO THE RESEARCH PROBLEM

Commuter public transportation services have been implemented in many American urban areas as one method of reducing the roadway congestion in major transportation corridors that takes place as suburban residents journey to and from the central city for employment. These transportation services may take the form of heavy or light rail, bus, vanpool or carpooling. Each has the objective of increasing corridor capacity by shifting person work trips from single-occupant vehicles to shared vehicles. Where implemented, commuter transit service can reduce the need for added roadway capacity or, at least, postpone the need.

The attention of both public mass transportation agencies and highway transportation agencies has been drawn in the past ten years to the benefits that might accrue to the transportation system as a whole if resources were committed to commuter transit. The concept of Transportation System Management has encouraged study and implementation of mass transit technologies that might serve as cost effective and environmentally compatible alternatives to roadway construction. As a result, the Federal Highway Administration (FHWA) and the Urban Mass Transportation Administration (UMTA), along with state and local transportation agencies have financially supported the expansion of commuter service.

The Texas Experience

An involvement in commuter transit service in Texas has been generally been limited to the larger urban areas: Houston, Dallas-Fort Worth, San Antonio, El Paso and, most recently, Austin. Commuter transit services in Texas have taken the form of bus, vanpool and carpool. At present, there are no rail transit services in the state, though some are in the planning stages. The most common of the commuter bus transit services found in the state is the express bus, often associated with a park-and-ride lot. Park-and-ride service is most prevelant in Houston, Dallas-Fort Worth and San Antonio.

A significant amount of research has taken place, and continues to take place, to determine the most effective means of implementing commuter services in Texas communities (Christiansen 1978, 1980, 1981), (Bullard, 1983), (Nordstrom, 1981), (Porterfield, 1982), (Kuo, 1984). Studies have been made of the factors influencing commuter demand, the design of park-and-ride lots and, most recently, the design and operation of High Occupancy Vehicle (HOV) lanes to improve the flow of commuter traffic. Among the related issues that have received less attention are the economics of commuter service.

This study will take a limited look at some of the issues associated with the cost of commuter service. The commuter services of the Metropolitan Transit Authority of Harris County (METRO) which serve the Houston urban area, have been selected for analysis. After reviewing the availability of data from the three largest Texas systems, it was determined that METRO's data base would be the most complete for the intended investigation. METRO has the most extensive complement of commuter oriented transit services among Texas' transit properties. Houston is also among the leading communities nationwide in the development of HOV lanes to facilitate commuter transit travel. In addition METRO has had several years of experience with private sector contracting for park-and-ride service. The first quarter of METRO's 1986 fiscal year (October-December 1985) will be the period studied.

Questions to be Addressed by the Research

1. Do METRO commuter services pay for themselves? Park-and-ride routes in the METRO system have fares two to three times the fare for local service. The commuter routes operate almost exclusively during the peak travel period when ridership is the highest. With higher fares, presumably higher load factors, and higher revenue passenger to total passenger ratios, park-and-ride routes could be expected to recover more of their cost than do local routes. Express routes, with more of the characteristics of park-and-ride service than local service, could also be expected to do well in this respect.

To answer this question the *cost recovery ratios* for METRO commuter services will be calculated. The cost recovery ratio is simply the proportion of direct service costs that are paid for by (farebox) revenues collected from the direct users of the service. Cost recovery ratios are not the only, nor ultimate, measure of the efficiency of transit operations.* They say little about the service's effectiveness in meeting many of the objectives that may have been set for it. However, for this study the cost recovery ratio is a useful indicator of the relative financial performance of different routes and service modes.

2. <u>How does commuter service compare to local service in terms of cost recovery</u>. Local routes in the METRO system have an all day flat fare and most of the routes operate 18 or more hours a day. Some local routes do, however, carry large passenger volumes. Local routes also are not subject to the excessive deadhead travel encountered by commuter services operating in the peak. Many studies have shown that off-peak operating costs are less than peak costs. Since the majority of local service is during the off-peak it might be expected that local service would have an overall lower cost and potentially higher cost recovery than commuter routes.

The question of whether peak service has a higher cost recovery ratio than off-peak has been frequently debated by transit analysts. Cervero (1980, p. 93) reported that, "Research findings...have suggested that higher peak-period revenues are overshadowed by comparatively higher peak costs. Others, however, have asserted that the industry's prevailing opinion has been that the (peak's) revenue effect exceeds the cost effect. That is, peak service has better financial performance in terms of the ratio of revenue to cost than the base service (Reilly, 1977, p. 3)."

A comparison of the cost recovery ratios for commuter and local services during the weekday will provide an answer to this question. Local service cost will be segregated by schedule (weekday, Saturday, Sunday/holiday) for this comparison. A calculation of the cost recovery ratio for each route will address the question of whether some local routes have significantly higher cost recovery ratios than others.

*See Young (1985) for a discussion of the benefits and pitfalls of the cost recovery ratio as a performance measure.

3. <u>Is the net cost per passenger to METRO the same for commuter and local services</u>. The cost of service to the transit authority is the amount of costs that are not covered by passenger revenue. The cost recovery ratio expresses this proportion. It does not indicate the amount of the difference between cost and revenue in dollars. The net cost of two routes with identical cost recovery ratios can be very different. The issue being probed by this question is whether net dollar cost between local and commuter services is different. Since the function of the transit service is to transport passengers the net cost will be expressed in terms of *net cost per revenue passenger*.* The net cost to METRO of transporting riders using the different types of service can then be compared.

4. Are cost recovery ratios and the net cost per revenue passenger comparable for commuter and local service when only peak cost and revenue are compared? It was noted previously that commuter services take place during the peak while local services operate during both the peak and off-peak periods. Dissimilarities in cost recovery ratios and net costs may be due to the differences in costs and ridership in the peak and off-peak. To determine if peaking characteristics explain any difference between commuter and local service cost revenue and net cost measures, cost, revenue and ridership for each route will be separated into peak and off-peak components. The same analysis performed in 1-3 will then be repeated for the two time periods.

5. Do park-and-ride routes using transitways have cost recovery ratios and net costs per revenue passenger different from those of routes that don't operate in transitways? An extensive system of HOV transitways are in the process of being constructed on freeways in the METRO service area. These facilities are designed to decrease the trip time for transit users, thereby making the service more attractive. A reduction in travel time should also increase the efficiency of the service which in turn should be reflected in lower operating costs. However, when captial costs are included the additional cost of the transitway could offset the reduction in cost achieved by the more efficient operation.

To answer this question the park-and-ride routes will be separated into two groups based on whether or not they use a transitway. As in the prior analysis, costs and revenues for the routes in each groups will be compared by calculating cost revenue ratios and net cost per passenger.

6. Are the cost recovery ratios and net cost per revenue passenger different for contract service park-and-ride routes compared to those park-and-ride routes operated by METRO? The argument is often made that some transit services can be provided by the private sector at less cost to the public than if the service were to be operated by the public transit agency. METRO's use of contract service allows a comparison to be made between the two operators. As in the transitway analysis, cost recovery and net cost comparisons will be made for the two types of operations.

*Cervero (1980) made this comparison using revenue and cost per passenger mile, passenger miles being the common denominator.

Report Organization

The discussion of the analysis undertaken to answer the preceding questions has been organized as follows:

- Part II is a description of the METRO system paying particular attention to the park-and-ride services that were offered in the first quarter of FY 1986. Additional detail about transitways and contract service is included.
- Part III describes the data collection process and the methodology used to analyze the data.
- Part IV presents the results of the analysis and answers the questions posed for the reserach.
- Part V summarizes the research findings and comments on their policy implications with respect to their possible implementation.
- Part VI contains the appendicies. The appendicies include the route level analyses that have been summarized in Parts III-V.

Part II - BACKGROUND

The transit system operated by the Metropolitan Transit Authority of Harris County provides an excellent environment in which to study the questions posed for this research. METRO serves the Houston metropolitan area. Harris county, in which Houston is located, had a 1982 population of 2.6 million. With a population of 1.6 million, Houston is the largest city in Texas and the fourth largest city in the United States. The following paragraphs describe the METRO system.*

The Metropolitan Transit Authority

METRO was created in August 1978 by the voters of Harris County who approved the collection of a one percent sales tax to partially fund the authority. The authority is governed by a nine member board of directors. Five of the directors are appointed by the mayor of Houston, two by the Harris County Commissioners Court, and two are appointed by the 14 area mayors in the METRO service area. The transit system is managed by a general manager appointed by the board. The authority had a total of 2,936 employees in March of 1986, 936 of whom were in management and administration.

METRO's operating expenses in fiscal year 1985 were \$156 million with farebox revenues of \$31 million.** Sales tax revenues during the fiscal year provided another \$173.6 million. METRO operates a fleet of 1,079 buses including more than 150 commuter-type vehicles and 50 articulated buses. The fleet is housed and maintained at five maintenance and operating facilities. Administrative headquarters are located in the Houston CBD.



METRO has steadily increased the level and quality of its service over the past five years with a corresponding growth in ridership as shown in Figure II.1 Transportation is provided to area residents through a coordinated group of services. Bus services operate six days a week on 55 local routes and four express routes. Sunday and holiday service is provided on 38 of the local routes. Weekday service is supplemented by 22 park-and-ride routes. METRO also operates a

^{*} The source of the information unless otherwise noted is the "Metro Fact Sheet," June 1986. ** 1985 Annual Report, Metropolitan Transit Authority of Harris County.

regional vanpool program to complement existing transit services. All vehicles, insurance and administrative services for the VanShare program are provided by private contractors working with METRO. METROLift service provides curb-to-curb transportation for disabled persons with a fleet of 59 vehicles, supplemented with taxicabs. In addition, METRO provides computerized matching service for persons wishing to carpool.

METRO planners have been working on a regional transit plan to guide the future of transit development in Houston. The plan was adopted by the board in the spring of 1986. The METRO staff is proceeding with the detailed analysis of alternative modes and alignments for a "system connector" concept. A capital reserve fund consisting of unexpended revenues is being maintained to help finance this future system development.

METRO Park-and-Ride Service

The primary focus of this study is on METRO's park-and-ride service. Park-and-ride service in Houston began with the opening of a park-and-ride lot at a Sage Department Store in March of 1977. From that beginning service has increased to 22 routes serving 20 park-and-ride lots with a total capacity of 20,500 parked cars. Most of the routes provide direct service to the Houston CBD. Several of the routes serve other major activity centers in addition to the CBD. Table II. 1 lists the routes that were active during the first quarter of fiscal year 1986. The location of the park-and-ride lots are shown on the map in Figure II.2

Two features of METRO's park-and-ride service have gained nationwide attention. Nine of the park-and-ride routes make use of transitways that have been constructed in freeway corridors. Six park-and-ride routes have been contracted out to private operators. Special attention will be paid in this study to the routes that feature these charateristics.

Transitways

The Houston area continues to lead the nation in building transitways in freeway medians. Sixty-nine miles are currently authorized for design and construction. Transitways, also referred to as Authorized Vehicle Lanes (AVL), are designed to decrease travel times for high occupancy vehicles such as buses and vanpools. Transitways (Figure II.2) are being constructed on the North Freeway (I-45), the Katy Freeway (I-10) and the Gulf Freeway (I-45) while the Texas State Department of Highways and Public Transportation (SDHPT) is resurfacing and widening the roadways.

The contraflow lane on the North Freeway was replaced with an interim median lane in 1984. The interim lane is being improved to become a barrier-protected lane in the freeway median. The 14.1 mile transitway from the CBD to Beltway 8 will be completed in 1988. A three mile segment from Beltway 8 to Airtex is planned for completion in 1988. A 2.5 mile extension of the transitway to FM 1960 is also under consideration. The first 6.2 miles of the Katy transitway are completed. An additional 5.3 miles are scheduled for completion in 1987. When complete, the Gulf transitway will extend for 15.5 miles. It is scheduled to be completed in the fall of 1987.

Planning is underway for transitways on the Northwest (US 290) and Southwest (US 59S) freeways. These projects are also being coordinated with the SDHPT. The Southwest transitway will extend 8.5 miles from West Bellfort to I-610. The Northwest transitway will run for 13.5 miles between FM 1960 and the Katy Freeway. The transitways are expected to play a major role in METRO's development plans. Their relationship to the questions posed for this study is therefore important.

Table II.1

METRO Park-and-Ride Services 1st Quarter FY1986

		Service		Distance	Peak	F	Peak Trips	;	Lot	
<u>No.</u>	Route Name	<u>Began</u>	Operated By	from CBD	<u>Buses</u>	AM_	Midday	<u>PM</u>	<u>Capacity</u>	<u>Cash Fare</u>
59	Southwest Fry	6/1977	METRO	12.15	3	6	No	7	125	\$1.25
107	FM 1960	8/1979	Contract	26.08	8	12	No	12	None	\$2.00
201	North Shepherd	4/1980	METRO	9.35	13	26	No	26	1605	\$1.25
202	Kuykendahl	1/1980	METRO	15.60	34	56	Yes	54	2246	\$1.70(1)
204	Spring	10/1982	Contract	19.50	18	33	Yes	33	1280	\$2.00
205	Kingwood	11/1979	Contract	27.40	15	22	Yes	21	940	\$2.25
206	Eastex	7/1983	METRO	13.60	8	15	Yes	16	930	\$1.45
210	West Belt	1/1985	METRO	13.73	6	12	Yes	11.	1111	\$1.45
212	Seton Lake	4/1983	Contract	16.70	15	28	No	24	1286	\$1.70
214	Northwest Sta.	4/1984	METRO	19.45	8	15	No	16	1222	\$1.70
221	Kingsland	9/1980	METRO	28.75	8	11	No	10	1300	\$2.25
227	Katy/Fry	10/1982	METRO	32.00	4	6	No	6	35	\$2.25
228	Addicks	1/1982	METRO	18.66	13	21	Yes	21	1119	\$1.70
236	Maxey Road	8/1985	METRO	11.45	3	. 9	No	10	1129	\$1.45
245	Edgebrook	3/1977	METRO	11.80	13	22	Yes	25	1000	\$1.45
246	Bay Area	3/1980	Contract	22.55	14	22	Yes	22	1165	\$2.00
261	West Loop	6/1977	METRO	10.10	7	20	No	20	639	\$1.10
262	Westwood	5/1979	METRO	13.85	9	21	Yes	18	1213	\$1.45
263	Alief	4/1981	METRO	15.61	9	13	No	13	1377	\$1.45
270	Missouri City	10/1981	Contract	13.45	8	12	No	12	779	\$1.45(2)
284	Spring-Westlake	1/1985	METRO	27.08(3)	.4	4	No	5	50	\$2.00
291	N. Shepherd-TM	C 9/1985	METRO	13.25(4)	3	5	No	5	(5)	\$1.45

(1) Fare to Greenway or Post Oak is \$2.00

(2) Fare to TMC is \$1.25

(3) Route length. Does not go to central Houston.

(4) Distance to TMC

(5) Shares lot with Rt. 201.



Contract Park-and-Ride Services

METRO has gained national attention for contracting with private operators for service on several of the park-and-ride routes. METRO began the practice of contracting for service in 1981 when it was unable to expand service fast enough to meet the demand for commuter service. The contract service initially involved 120 buses on 12 routes with five private operators involved (Rooney and Teal, 1985). Much of that service has now been assumed by METRO. During the first quarter of FY 1986 six of the park-and-ride routes were placed out for bid. They are all presently operated by the same contractor under a three year agreement. METRO provides the administrative services (planning, scheduling, marketing, etc.) for the contract routes. The contractors provide vehicles, drivers, maintenance and insurance. The performance of the contract routes with the METRO operated will be compared as part of the study.

The next part of the report will explain the sources of the data and the methodology used to analyze the questions that are the subject of this research.

PART III - FRAMEWORK AND METHODOLOGY

Cost and revenues for the first quarter of METRO's fiscal year 1986 were used to analyze the questions posed by this study. The analysis was limited to one quarter's data to constrain the variablity in service characteristics that take place over a year and to reduce the amount of data required for the analysis. It was desirable to analyze a period during which the fare did not change. A fare change would have required estimating two sets of average fares. Similarly, changes of service levels during the period would require prorating costs based on the number of days each level of service was operated. The quarter which best met these analysis criteria was the fourth quarter of fiscal year 1985 covering the months of July, August and September 1985. There were no fare changes during the quarter and limited modifications in service levels. Unfortunately, complete data for that quarter were not available.

The next best quarter for analysis was the first quarter of fiscal year 1986. There were no fare changes during the quarter but there were numerous service changes including:

the addition during the second month of a new route (Line 37-El Sol);

the addition of two shuttle routes (Lines 420 and 421, Post Oak Specials);

the splitting the Katy-Mason park-and-ride into two routes (Kingsland and Katy-Fry);

the operation of two contract park-and-ride routes by METRO during October;

changes in service levels on park-and-ride lines 202, 210, 228 and 284.

None of these service changes required a new driver's signup which would have substantially affected the schedules for all lines. The first quarter of METRO's fiscal year also includes the Thanksgiving and Christmas holidays during which service levels are maintained but ridership is traditionally below average.

Cost Analysis

METRO does not report cost by line. Costs are reported monthly, quarterly and annually for each of METRO's service modes: local, METRO park-and-ride, contract park-and-ride, charter, Clear Lake shuttle, METROLift and Vanshare. To perform the analysis outlined in the first chapter it was necessary to disaggregate the mode totals into individual route costs.

Cost Model

METRO has a very complete cost allocation model which is used to allocate total system expenditures to expense line items and, in turn, to service modes. The model uses the following allocation variables:

vehicle miles (platform miles) vehicle hours (platform hours) pay hours revenue hours employees protected park-and-ride lots

peak buses

park-and-ride lots served

buses operating on transitways

One of the strong points of the model is its inclusion of the variable "operator pay hours." This variable is used to allocate driver and transportation supervisory costs. Pay hours include the actual time for which drivers are paid. Pay hours exceed the time the vehicle is on the road (vehicle/platform hours) or the time it is actually carrying passengers (revenue hours). The importance of the pay hour variable has been identified by Cherwony, et. al. (1981). The ratio of revenue hours to pay hours decreases when extra service is added during peak periods. The use of the pay hour variable, therefore, is preferable to revenue or vehicle miles for allocating driver wages. Total driver wages can be more accurately allocated to those routes with higher levels of peak service. This is especially important to this study's analysis of peak and off-peak costs.

The number of vehicle miles, vehicle hours, pay hours and peak vehicles on each route during the quarter can be found in the METRO report, "Summary of Schedules." The Summary of Schedules dated September 30, 1985, and a revision of this Summary of Schedules dated November 4, were used. The data for the other variables was taken from a METRO report, "First Quarter FY86 Update," which accompanies the quarterly cost allocation report.

Line item expenditures are allocated to each of the service modes based on each service mode's proportion of the variable total. For example, assume line item A had \$100,000 in expenditures during the quarter and line item A expenses are allocated by vehicle miles. If local service had 81 percent of the vehicle miles during the period, then \$81,000 of line item A expenses would be allocated to local service. For some line items, expenditures are allocated by more than one variable. By examining each line item it is possible to derive total expenditures allocated by each variable for each service mode. Total expenditures can then be allocated to individual routes in proportion to the route's share of the variable total. Continuing the example above, if Line No. 38 is a local route which operates 0.5 percent of the vehicle miles operated on local routes during the period, then \$405 of line item A expenses would be allocated to Line 38.

<u>Capital costs.</u> Capital costs include depreciation on vehicles, land and building improvements, transitways, and durable equipment used in maintenance and administration. The METRO cost allocation model includes depreciation line items. The last three variables listed above are used principally to allocate these capital costs. Most cost allocation models do not include depreciation expenses since only "operating" or variable costs are of interest. These models may be used for estimating the cost of service expansion where the additional costs are largely increments of hours and miles. In this analysis the total cost of providing the service is of interest. It is, therefore, appropriate to include depreciation as a measure of the consumption of capital items.

Direct operating costs (depreciation excluded) is of interest when comparing the operating cost between routes or service modes. For this reason route costs have been estimated both with and without depreciation. Administrative overhead is also usually excluded from direct operating costs. Administrative costs have not been excluded from direct operating costs in this study.

The exclusion of capital depreciation complicates the comparison of METRO park-and-ride and contract park-and-ride costs. Depreciation of the revenue vehicles used by the private service provider is not included in the METRO cost allocation model and, therefore, cannot be excluded to compare direct operating costs. It has been assumed that the private provider has included a charge for vehicle depreciation in the cost of the service to METRO. Therefore, to compare METRO with contract park-and-ride, a third cost analysis category has been created which includes only revenue

vehicle depreciation. When total costs of service are compared the captial depreciation costs associated with contract park-and-ride (transitways, park-and-ride lots, etc.) are included. The three cost analysis categories have been identified as "all depreciation included," "vehicle depreciation only included," and "no depreciation included" (abbreviated in the tables as "all, vehicle, none.")

All captial depreciation costs have been allocated to weekday service. The allocation is based almost entirely on the number of vehicles in service during the afternoon peak period. "Peak vehicles" is a good measure of a route's capital requirements, not only in terms of the number of buses, but also in relation to the maintenance and administrative facilities required to support service. The practice of allocating capital costs based on peak vehicle use is a common practice (Cervero, 1980, p.69). Though wear on buses in particular also takes place when they are used for weekend service, this is considered a maintenance related expense and is accounted for under maintenance line items.

Table III.1 shows first quarter fiscal year 1986 costs allocated by the model variables, for each service mode of interest, and for the three cost analysis categories. The METRO cost allocation variable for employees (staff assignments) was not used in the study cost allocation. The data is not available to allocate costs to individual lines based on the number of employees serving the line. The number of peak buses was used in this analysis to allocate costs which the model allocated by the number of employees.

	<u>All_Depreciation</u>			Vehicle DepreciationOnly No Depreciation					
	Local	Metro P&R	Contr P&F	Local I	Metro P&R	Contr P&R	Local N	letro P&R	Contr P&R
Veh Mi	\$9,983,740	\$1,614,639	\$7,182	\$9,896,70	1 \$1,614,639	\$7,182	\$9,896,701	\$1,614,63	9 na
Veh Hr	4,618,155	447,300	1,248,267	4,618,15	5 447,300	1,248,267	4,618,155	447,300) na
Rev Hr	1,912,366	182,145	63,035	1,513,11	3 124,672	50,113	1,513,113	124,672	2 na
Pay Hr	10,795,431	1,183,71	na	10,795,43	1 1,183,712	na	10,795,431	1,183,712	2 na
Pk Veh	4,861,159	1,255,193	na	3,437,624	4 870,349	na	1,319,822	289,927	7 na
Buses on Transitwy	129,368	601,182	230,314	17,927	82,574	34,456	17,927	82,574	l na
Protected P&R Lots	0	82,381	17,227	0	82,381	17,227	0 0	82,381	na
P&R Lots Served	0	626.944	_265.030	_0	_105.367	<u> 88.153</u>	0	105.367	na
Total Alloctn	\$32,300,219	5,993,548	1,831,055	30,278,951	4,510,994	1,445,398	28,161,149	3,930,572	na
na - data n	ot avaliable				1. A.				

Table III.1 1st Quarter FY86 Cost Allocation Summary

Peak and Off-Peak Costs

METRO does not report time and mileage by time period. Therefore, a model was developed to factor the time and mileage cost allocation variables into peak and off-peak components. The same allocation variables used to allocate costs to service modes and individual routes were used to allocate costs to the two weekday service periods. The peak period was defined as 6:00 a.m. to 8:59 a.m. and from 3:00 p.m. to 5:59 p.m. Revenue service during this period was considered to be peak service. All other service was considered off-peak.

The model made use of the distinction between the types of service blocks scheduled during the day. A block is the period of time from when a bus leaves the garage to when it returns. In some cases a bus departs the garage in the morning and remains in service all day. These are defined as "all-day blocks." In other cases a bus will go out for the morning peak period, will return to the garage, and then be dispatched again for the afternoon peak period. We will refer to these as "peak blocks." METRO also has blocks that begin in the p.m peak and continue into the evening hours, which will be called "evening blocks." METRO assigns each of the three types of blocks distinct numerical codes which, along with the route number, identify the block.

METRO's "Run Summary and Time Report" and "Block Summary" report provide the detailed information required to apportion time and mileage to the peak and off-peak components. The Run Summary document details the non-platform hours that contribute to pay hours. Though these non-platform hours are based on the driver's run time (the amount of work the driver does during the day), they can be reallocated to the run pieces which correspond to individual blocks. Overtime and undertime have been split between run pieces. All other non-platform time has been allocated to the block in which it occurred. The non-platform time provisions of the METRO labor agreement dated August 1, 1984 were followed.

<u>All-day blocks</u>. For the buses that remained in service all day, i.e., operating in both time periods, pay time in excess of platform time was allocated to the off-peak. Platform time was allocated to each time period based on the amount of revenue time spent during each period. An all-day block could have a maximum of six peak hours. Revenue time was divided into peak and off-peak components by multiplying the platform time for each period by the block's revenue/platform hour factor identified in the Block Summary report. Revenue miles in each time period were estimated by multiplying the revenue hours for each period by the average vehicle speed (m.p.h.) during the period. An estimate of the average speed in each time period was derived from the peak and off-peak round trip times reported in the Summary of Schedules. Platform/vehicle miles for all day blocks were determined by adding deadhead miles to off-peak revenue miles.

<u>Peak blocks</u>. The costs incurred for blocks that are dispatched and operate only during the peak were considered to be peak period costs. All pay hours in excess of platform hours were credited to the peak period for these blocks. Up to four hours of platform time for each peak block were credited to the peak period. Three of these hours were for revenue time and one hour was to account for deadhead time to and from the garage. In only a few cases did these blocks operate for more than than four hours. Deadhead miles for those blocks was similarly credited to the peak. The remaining mileage (revenue miles) was divided between the two time periods as was done for all-day blocks.

<u>Evening blocks</u>. Time and mileage for evening blocks was allocated to the peak and off-peak in the same manner as for all-day blocks with two exceptions. Pay time in excess of platform time was divided evenly between the peak and off-peak. Deadhead miles were split evenly between the two time periods.

Adding the platform miles, platform hours, pay hours, revenue miles and revenue hours for each block resulted in an estimate of the peak and off-peak measure of these variables for each route. The total costs allocated by these variables could then be further allocated by route, by time period. Note that revenue miles is not a allocation variable but was needed to estimate platform miles by time period.

<u>Capital costs</u>. As explained previously, all system capital costs have been allocated to the weekday schedule. The rationale for this was that the weekday schedule determines the level of capital investment. The question then becomes how to apportion capital costs allocated by peak vehicle between the peak and off-peak periods of the weekday schedule. Following the reasoning used to allocate capital based on the peak demand, it might seem reasonable to allocate all capital costs to the peak period. However, many of the vehicles operating in the peak also operate in the off-peak or base period. A preferable allocation might allocate a part of the capital cost to the peak increment (number of peak vehicles-base vehicles) and the remainder of the cost to each period based on the number of vehicle hours in each period. This is similar to the apportionment procedure used by Cervero (1980). The allocation of capital costs used in this study were made as follows:

PVF = (PVI/PV)+[(PVH/TVH) x (BV/PV)] BVF + (BVH/TVH) / (BV/PV)

- where: PVF = peak vehicle factor
 - PVI = peak vehicle increment (additional vehicles over base)
 - PV = number of peak vehicles
 - BV = number of base vehicles
 - PVH = peak vehicle hours
 - TVH = total vehicle hours
 - BVH = base vehicle factor

Contract park-and-ride routes are not included in the Run and Block Summary reports. Without the detailed information provided by the Run and Block Summary reports it was not possible to apportion contract park-and-ride costs to the peak and off-peak period. However, only a very small portion of the contract park-and-ride schedule is operated during the off-peak. It can be assumed that all contract park-and-ride service takes place during the peak and, therefore, all contract park-and-ride costs. Table III.2 summarizes weekday local, express and METRO park-and-ride costs by time period.

Table III.2

1st Quarter FY86 Weekday Cost Allocation by Service Mode and Time of Day

		All Depreciation	Vehic	cle Depreciation O	nly	<u>No</u>
Depreciation Mode	1 Peak	Off-Peak	Peak	Off-Peak	Peak (Off-Peak
Locai*	\$12,862,839	\$12,877,116	\$11,785,987	\$12,261,779	\$10,445,613	\$11,652,136
Express	1,482,522	317,767	1,259,209	297,107	1,098,490	290,040
Metro P&R	5.600.385		_4.197.118	313.877	_3.627.683	
Total	\$19,945,746	\$13,587,993	\$17,242,314	\$12,872,763	\$15,171,786	\$12,245,069

Revenue Analysis

METRO also does not record revenue by route. The METRO buses are not equipped with recording fareboxes. Farebox and prepaid revenues are credited to the service modes based on estimates of ridership and an average fare. This method of apportioning revenue was also used to estimate fare by route for this analysis. An average fare was calculated for each route. The average fare was then multiplied by the quarterly ridership to provide the route revenue estimate. After all route revenue was estimated, appropriate adjustments were made to bring the estimated revenue in line with the revenue collections reported by METRO.

Ridership Estimates

METRO drivers count all boarding passengers and the passenger's method of fare payment on each route for one week of each month. These weekly counts are then factored upward to monthly ridership by line. The ridership estimated in this manner is multiplied by an average fare to estimate revenue. The estimated revenue is then compared to the collected revenue and a further adjustment is made to the ridership so that the product of ridership and average fare equals collected revenue. The driver counts of ridership are recorded in a series of computer printouts labelled "PCT." (PCT83 was used in this analysis.) The adjusted ridership is reported by line in the "Quarterly Ridership Report." All reported ridership is for unlinked passenger trips (revenue passengers plus transfer passengers.)

Estimated Average Fare

An average fare was calculated for each route using the PCT83 monthly passenger counts and data provided on fare payment by METRO's Office of Management and Budget.* Drivers record fare payment by the following categories: cash, reduced (elderly and disabled passengers and high school students pay one-half of the adult fare), monthly pass, tickets (prepaid full adult fares), other (promotional fares, employee passes, etc.) and transfer. METRO does not charge for transfers. An estimate of pass usage made by METRO permits a cash value to be assigned to pass fare payments. For example, during the first quarter of fiscal year 1986 the local adult fare was \$0.55, reduced fares were \$0.25 and pass fares were equal to \$0.426. Local and express routes have flat fares. Park-and-ride routes have distance-based fares.

The number of passengers using each fare payment type (as recorded in the PCT83) was multiplied by the fare payment to derive total line revenue. Line revenue was then divided by total ridership for an average fare estimate. The average fare was multiplied by the number of passengers reported for each line in the Quarterly Ridership Report for the first quarter fiscal year 1986. For this study, ridership and average fare were estimated separately for each of the three schedules (weekday, Saturday, Sunday/holiday) operated during the quarter. During the first quarter there were 64 weekdays, 13 Saturdays and 15 days on which the Sunday/holiday schedule was in effect. Quarterly revenue for a schedule is defined as:

Quarterly Revenue = Average Daily Riders x Average Fare x Number of Days Schedule Operated

Total quarterly revenue is the sum of the revenue for the three schedules.

^{*} Notes on average fare calculations for the March 1986 fare increases provided to the author by Doug Wentworth, METRO OMB.

Adjustments to Estimated Revenue

The revenue for each of the service modes was determined by adding the estimated revenue for each route in the mode category. The result was compared to the revenue by sevice mode reported by METRO for the period. Table III.3 shows that the estimated system revenue was 6.7 percent greater than the reported revenue. METRO park-and-ride was overestimated by 17 percent. Discussions with METRO staff as to the source of the overestimate led to the following adjustments.

Pass discount. METRO has a promotional program in which monthly passes are sold to employers at a discount. The revenue lost during the study period due to the discount was \$282,868. The procedure used to estimate revenue did not account for this discount. Therefore, pass revenue is overestimated. The discount was deducted from the estimated revenue in two steps. First the discount amount was apportioned between local and park-and-ride service based on the number of pass uses on each, weighted by the average value of the monthly pass for each. Local passes cost \$23.00. The average park-and-ride monthly pass cost \$70.00. The park-and-ride share of the discount was then apportioned between METRO and contract park-and-ride. Data on pass use on contract routes was not available. It was assumed that pass use on contract routes was in proportion to total ridership. Once the pass discount had been apportioned among the service modes it was allocated to each route within the service mode based on the number of pass uses per route to total pass use.

<u>METRO park-and-ride ridership</u>. The ridership estimate was considered a second possible source of error in estimating revenue. As noted above, the PCT ridership counts are inflated to reconcile ridership with revenue. In adjusting ridership for that purpose it is assumed that the PCT count is inaccurate due largely to driver error. Recent studies by METRO staff have found that the PCT estimates of park-and-ride ridership are very accurate.* The erroneous counts are presumably in the local service category. Based on this information, METRO park-and-ride revenue was re-estimated using the PCT data in place of the Quarterly Ridership Report.

<u>Contract park-and-ride revenue</u>. The revenue for contract park-and-ride service reported by METRO assumed each passenger paid the full cash fare. An average fare was not used and none of the discount for pass sales was deducted from the contract park-and-ride category. Although the lack of PCT data for contract park-and-ride routes made it impossible to estimate an average fare for these routes, it was assumed that they would have an average fare equal to the average fare on METRO park-and-ride routes in the same fare category. The revenue estimate for contract park-and-ride is consequently less than the revenue reported.

After making the adjustments outlined in the previous paragraphs the re-estimated system revenue was compared to the reported revenue. The revenue estimate for local service is 2.0 percent greater than that reported. METRO park-and-ride revenue is 0.8 percent less than reported and contract park-and-ride revenue is 7.6 percent less than the revenue reported by METRO. Systemwide the revenue estimated as described in the preceding paragraphs is 0.5 percent greater than the reported revenue.

^{*} Conversation with Michael Leonard, METRO Manager of Service Evaluation

Table III.3

Comparison of Estimated and Reported Revenue by Service Mode							
	Estimated	Reported	Difference	% Difference			
Local*	\$5,611,285	\$5,500,162	\$111,123	+2.0			
Metro P&R	1,591,089	1,604,216	(13,127)	-0.8			
Contract P&	R 698,298	755,957	(57,659)	-7.6			
System	\$7,900,672	\$7,860,335	\$40,337	+0.5			

1st Quarter FY 1986 Comparison of Estimated and Reported Revenue by Service Mode

*Includes express routes.

Weekday Peak Ridership and Revenue

Revenue attributable to the peak and off-peak was estimated following the procedure used to estimate weekday revenue. Ridership in the PCT83 is reported by hour. Ridership on each route during the six peak hours was totaled and then divided by the ridership for the day to get an estimate of the percent of ridership during the peak. The percent peak ridership was multiplied by the average daily ridership for the quarter for an estimate of average daily peak ridership. Quarterly Ridership Report estimates of daily ridership were used for local and express routes. The PCT ridership count was used for METRO park-and-ride. An average weekday peak fare was also estimated with the procedure used to estimate a daily average fare, except only revenue collected during the peak hours was considered. Peak revenue for the first quarter is defined as:

Peak revenue = % Peak ridership x average daily ridership x 64 weekdays x average peak fare

An estimate of contract park-and-ride peak revenue could not be made due to the lack of PCT83 data for these routes. Though some of the contract park-and-ride routes have midday service, the service is operated by METRO and is included in METRO park-and-ride ridership and revenue data. It can be assumed that all contract park-and-ride revenue is collected during the peak. First quarter fiscal year 1986 peak and off-peak revenue by service mode are listed in Table III.4.

Table III.4

Weekday Peak and Off-Peak Revenue by Service Mode 1st Quarter FY 1986

	Peak	Off-Peak
Local	\$2,360,411	\$2,187,543
Express	204,549	70,775
Metro P&R	1,427,662	163,427
Contract P&R	698.298	0
System	\$4,690,920	\$2,421,745

Weekday Revenue Ridership

In comparisons of ridership and cost, e.g., cost per passenger, it is often preferable to use revenue ridership or linked passenger trips as the measure of service consumed. The nature of transit service is such that transferring between routes is frequently necessary and, in the case of METRO, is permitted at no additional cost to the passenger. Revenue ridership by route can be estimated from the PCT data which identifies fare payment type. Revenue passengers were considered to be those who paid by cash, reduced fare, pass or ticket. It is recognized that some transfer rides are made with the monthly pass. Unfortunately, information on this phenomenon was not available and all pass trips were considered revenue trips. Contract park-and-ride was estimated to have the same percentage of revenue ridership as recorded for METRO park-and-ride. Using the PCT data the number and percentage of revenue riders by service mode were:

Table III.5

Weekday Revenue Passengers by Service Mode 1st Quarter FY 1986

No. I	Revenue Riders	% Revenue Riders		
Local	9,810,753	70.92		
Express	394,560	79.15		
Metro P&R	1,049,916	96.58		
Contract P&R	379.815	<u>96.63</u>		
System	11,635,044	73.58		

Part IV - ANALYSIS

An analysis of the cost and revenue data developed as explained in Part III of this report, provides answers to the research questions. That analysis is presented in the following paragraphs along with observations about the results.

First Quarter Fiscal Year 1986 Cost Recovery Ratios

The primary question this study was designed to answer was whether METRO park-and-ride services paid for themselves. Even a cursory examination of the data developed as described in Part III of this study and summarized in Table IV.1 indicates that collectively METRO park-and-ride services are not self-supporting. Table IV.1 depicts weekday cost and revenue data for the four service modes with the three cost analysis categories representing the inclusion of different levels of depreciation costs. Cost and revenue data for individual routes can be found in Appendix B. As was noted in Part III, it has been assumed that contract park-and-ride vehicle depreciation costs are included in the cost of the service to METRO.

Park-and-ride service does substantially better than either local service or express service as far as cost recovery is concerned. METRO park-and-ride had a first quarter cost recovery ratio of 35.3 percent when only vehicle depreciation was included. Contract park-and-ride did even better with a 48.3 percent ratio. Express service did not recover quite the percentage of its cost as was recovered by local service. The express fare was \$0.15 above the local fare.

An explanation for the higher cost recovery ratio for park-and-ride service can be found in Table IV.2. Though the operating cost of park-and-ride is greater than that of local service, the mileage graduated fares charged on park-and-ride service compensate for the difference in cost. Park-and-ride operating costs are greater due to the fact that the service is predominately peak service. Labor is used less efficiently during the peak and few if any passengers are carried by commuter service in the nondominant direction. An examination of the data from the study period provides support for this explanation. The vehicle hour to pay hour ratio for local service was .922, but for METRO park-and-ride it was .875. The ratio of revenue hours to vehicle hours was .835 for local service but only .582 for METRO park-and-ride.

Figure IV.2

Comparative Measures of Cost* and Revenue 1st Quarter FY1986

	Local	Express	Metro P&R	Contract P&R
Cost/Vehicle Hour	\$56.95	\$72.78	\$84.15	•
Cost/Pay Hour	52.55	64.93	73.45	-
Cost/Revenue Hour	68.25	94.79	127.70	93.61
Revenue/Vehicle Hour	10.77	12.87	29.68	•
Revenue/Pay Hour	9.94	11.48	25.91	- - -
Revenue/Revenue Hour	12.91	16.76	45.04	45.22
Rev Passngers/Rev Hour	27.84	24.02	29.75	24.60

*Cost includes vehicle depreciation. Pay hour and vehicle hour cost for contract P&R are not available.

Table IV.1

Metro Weekday Cost Recovery Analysis by Service Type 1st Quarter FY 1986 (Revenue Adjusted for Pass Discount)

	LOCAL SERVIC	DE SE	
Depreciation Included	All	<u>Vehicle</u>	None
Cost	\$25,739,955	\$24,047,766	\$22,097,749
Revenue	\$4,547,954	\$4,547,954	\$4,547,954
Deficit	\$21,192,001	\$19,499,812	\$17,549,795
Revenue Passengers	9,810,753	9,810,753	9.810.753
Net Cost per Revenue Passenger	\$2.16	\$1.99	\$1.79
Cost Recovery Ratio	17.67%	18.91%	20.58%
	EXPRESS SERV	ICE	
Depreciation Included	All <u>Vehicle</u>	None	
Cost	\$1,800,289	\$1,556,316	\$1,388,530
Revenue	\$275,324	\$275,324	\$275,324
Deticit	\$1,524,965	\$1,280,992	\$1,113,206
Revenue Passengers	394,560	394,560	394,560
Net Cost per Revenue Passenger	\$3.86	\$3.25	\$2.82
Cost Recovery Ratio	15.28%	17.69%	19.82%
	METRO P&R SEF	VICE	
Depreciation Included	All	<u>Vehicle</u>	None
Cost	\$5,993,495	\$4,510,995	\$3,930,576
Revenue	\$1,591,089	\$1,591,089	\$1,591,089
Deficit	\$4,402,406	\$2,919,906	\$2,339,487
Revenue Passengers	1.049.916	1.049.916	1 049 916
Net Cost per Revenue Passenger	\$4.19	\$2.78	\$2 23
Cost Recovery Ratio	26.55%	35.27%	40.48%
CC	NTRACT P&R SF	RVICE	- • .
Depreciation Included	All	Vehicle	None
		ada Salakin Sa	Hong
Cost	\$1,831,056	\$1,445,398	na
Revenue	\$698,298	\$698,298	na
Deficit	\$1,132,758	\$747,100	na
Revenue Passengers	379,815	379,815	na
Net Cost per Revenue Passenger	\$2.98	\$1.97	na
Cost Recovery Ratio	38.14%	48.31%	na
	SYSTEM	E	
Depreciation Included	All	Vehicle	
	<u></u>	TOTION	
Cost	\$35,364,795	\$31,560,475	· .
Kevenue	\$7,112,665	\$7,112,665	
Deticit	\$27,119,372	\$23,700,710	
Revenue Passengers	11,635,044	11,635,044	
Net Cost per Revenue Passenger	\$2.33	\$2.04	
Cost Recovery Ratio	20.11%	22.54%	and the second second

n.a = data not available

The inclusion of depreciation expense has a significant effect on park-and-ride costs. This can be demonstrated by subtracting the cost of service with only vehicle depreciation included from the total cost of service with all depreciation included. This has been done in Table IV.3. The percentage of total cost represented by vehicle depreciation does not vary greatly among the service modes. However, the percentage of additional depreciation charged to park-and-ride is almost four times greater than charged to local service. The principal factor responsible for this difference is the inclusion of depreciation cost for park-and-ride facilities and transitways in the total cost of park-and ride service. Five METRO park-and-ride routes operate in transitways along with three contract park-and-ride routes. Two of the five express service routes also operate in transitways. All routes incur a depreciation charge proportionate to the number of express buses using the facilities.

Table IV.3

Depreciation Charges by Service Mode 1st Quarter FY1986

	Loc	al	Expr	ess	Metro	<u> P&R</u>	Contrac	<u>t P&R</u>
	Amount	% Total	Amount	% Total	Amount	% Total	Amount	% Total
Deprec.	\$1,949,993	7.6	\$167,810	9.3	\$580,423	9.7	-	- -
Other Deprec.	1,690,711	6.6	245,450	13.6	1,482,503	24.7	385,658	21.1

As noted previously, depreciation cost is not usually included in an analysis of operating costs. The information has been presented here to illustrate the investment that has been made to make park-and-ride more attractive to potential users. To the extent that this investment represents the use of METRO funds that cannot then be used elsewhere in the system, the investment is a real cost to the system's operation. With the inclusion of all depreciation costs, the cost recovery rate for METRO park-and-ride falls from twice that for local service to one and one half times the local cost recovery ratio. The contract park-and-ride cost recovery ratio remains more than twice the rate for local service.

Net Operating Cost

Net operating cost is defined here as the difference between the cost of providing service and the revenue collected from providing the service, ie., the operating deficit. The METRO deficit is offset by tax revenues collected by the transit authority as explained in Part II of this report. The net operating cost, then, is a measure of what the service costs to the general public. A measure of the unit cost of service is the net cost to transport one revenue passenger. The net cost per revenue passenger is the product of dividing the deficit by the number of revenue passengers. It is instructive to compare the net cost per passenger by service mode with the cost recovery ratio by service mode. This comparison can be made by examining the data in Table IV.1.

Both weekday contract and METRO park-and-ride services have cost recovery ratios greater than the cost recovery ratio for local weekday service. However, the net cost per revenue passenger is substantially greater for METRO park-and-ride when only vehicle depreciation is included. Contract park-and-ride has a net cost per passenger lower than for local service. When all depreciation costs are included, the net cost per revenue passenger for both contract and METRO park-and-ride is greater than for local service. The net operating cost for express service is greater than that for local service and both park-and-ride services.

Comparison of METRO and Contract Park-and-Ride Service

The cost per revenue hour (Table IV.2-vehicle depreciation included) of providing contract park-and-ride operations during the first quarter fiscal year 1986 was 27 percent less than the cost of the service provided by METRO. The fact that contract park-and-ride service costs less to operate is well established by METRO and the system is nationally recognized for its use of the private sector. Revenue per revenue hour on contract service was only slightly higher than for METRO park-and-ride (\$45.22 to \$45.04). The difference in operating cost between the two park-and-ride services resulted in substantially higher cost recovery ratios and lower net cost per passenger for the contract park-and-ride as shown in Table IV.1.

Though performing better financially than METRO park-and-ride service, the contract service was not as productive. While the differences in operating costs between contract and METRO park-and-ride are a function of the lower cost of the private service, the differences in ridership and revenue are a function of the respective route demand characteristics. Revenue passengers per revenue hour for contract park-and-ride were 24.6 compared to 29.8 for METRO park-and-ride. Contract park-and-ride revenue per revenue hour was comparable to METRO park-and-ride revenue because on average, contract service operated on routes with higher fares. Revenue per revenue passenger was \$1.84 for contract service, \$1.51 for METRO park-and-ride.

Effect of Transitway Use on Cost Recovery and Net Cost per Passenger

Transitways have been provided in the north I-45 and the west I-10 right-of-ways to improve travel times for park-and-ride services using these these corridors. As noted in the discussion of depreciation costs, these transitways represent a significant component of total cost for the park-and-ride service using them. Transitway depreciation was 25 percent of all park-and-ride service depreciation charged in the first quarter of FY 1986. The transitway depreciation was

Table IV.4

Comparison of Park and Ride Routes Operating in Transitways with Park and Ride Routes not Operating in Transitways All Depreciation and Vehicle Depreciation Only Included

	n	=8	n	n=13	
•	In Tra	Insitway	Not in	Transitway	
Measure	<u>All</u>	Vehicle	A11	Vehicle	
Cost per Revenue Hour	\$179.18	\$125.69	\$130.07	\$109.03	
Revenue per Revenue Hour	\$52.51	\$52.51	\$37.97	\$37.97	
Cost per Revenue Passenger	\$5.89	\$4.13	\$5.01	\$4.21	
Revenue per Rev. Passenger	\$1.73	\$1.73	\$1.46	\$1.46	
Revenue Passengers	756	6,765	67	2,380	
Cost Recovery Ratio	29.3%	41.8%	29.2%	34.7%	
Net Cost per Rev. Passenger	\$4.16	\$2.41	\$3.55	\$2.75	

Routes using transitways include 107, 201, 202, 204, 210, 212, 221, and 228.

only charged against those routes operating in the transitways, apportioned by the number of peak hour buses on each route. For those routes using the transitways, transitway depreciation charges were 11.5 percent of total costs. Of interest to this study is whether these additional costs result in lower cost recovery ratios and higher net cost per passenger for the routes utilizing transitways. This question is answered by analyzing the data presented in Table IV.4 which summarizes the route analysis in Appendix D.

There is virtually no difference between the cost recovery ratio for routes that use transitways and those that do not. Each group contains three of the contract park-and-ride routes. The reason for the difference can be seen by examining the cost and revenue data shown in Table IV.4. The cost per revenue hour of service for the routes using transitways is 15 percent higher than those not using transitways when only vehicle depreciation is included in the cost. When all depreciation, including the cost of transitways is included the hourly cost of the routes using the transitways is 38 percent greater. The greater cost of the routes operating on transitways is offset by the higher fares and ridership on the transitway routes. Revenue per hour is 38 percent higher on the transitway routes. The result is the nearly identical cost recovery ratios.

Net cost per revenue passenger is 17 percent greater for those routes that use the transitways when all depreciation costs are included. When only vehicle depreciation is included the routes in transitways actually do better than those not using the transitways. Though the cost of transitways does not adversely affect the cost recovery ratio it can be said that there is an added cost per passenger for the use of the transitway.

Comparative Peak and Off-Peak Cost Recovery Ratios

The final part of this analysis addressed the question of differences in peak and off-peak cost and revenue. This permits a comparison between park-and-ride, and local service during the peak period when more than 96 percent of the park-and-ride service is operated. It has previously been suggested that peak period service has higher costs. The comparison of park-and-ride with local service during the peak will answer the question of whether one or the other performs better financially during the period when service costs should be relatively equal. Contract park-and-ride service cannot be included in the comparison because data allowing the separation of cost into peak and off-peak are not available. A definition of the peak period and the methodology for separating costs into the two periods was presented in Part III. Table IV.5 repeats the format of Table IV.1 except cost, revenue and ridership has been disaggregated into the peak and off-peak components of the weekday schedule. The data for each line are shown in Appendix C.

There is little difference between the cost recovery ratios and net cost per revenue passenger measures for the three service modes in Table IV.1 and IV.5. Park-and-ride service has a higher cost recovery ratio and a higher net cost per passenger when compared to local service in the peak or the average of local peak and off-peak service. Express service generally has a lower cost recovery ratio and higher net cost per passenger than both park-and-ride and local service during the peak period. These results are not surprising considering that most of the park-and-ride and express service takes place in the peak. Fares are not a factor. METRO does not have time differentiated fares.

Unexpected, perhaps, is the finding that the cost recovery ratios for peak and off-peak local service are not substantially different. The cost of operating local service in the two periods is almost equal and actually less for the peak when none of the depreciation costs are included. Local service does slightly better in the peak period when higher costs are offset by increased riderhship. Depreciation is a smaller amount of total local service costs as shown in Table IV.3. The greatest part of depreciation costs are charged against peak hour services. This was discussed in Part III.

Table IV.5

Peak and Off-Peak METRO Weekday Cost Recovery Analysis by Service Type 1st Quarter FY 1986 (Revenue Adjusted for Pass Discount)

LOCAL SERVICE

Depreciation Included	ΔIJ	Yehiolo	None	A 11	Off-Peak	· · · · · · · · · · · · · · · · · · ·
	<u>611</u>	<u>venicia</u>	INOUG	All	venicie	None
Cost	\$12,862,839	\$11,785,987	\$10,445,613	\$12,8877,116	\$12,261,779	\$11 652 136
Revenue	2,360,411	2,360,411	2,360,411	2,187,543	2,187,543	2.187.543
Deficit	\$10,502,428	\$9,425,576	\$8,085,202	\$10,689,573	\$10,074,236	\$9,464,593
Revenue Pax	5,224,822	5,224,822	5,224,822	4,585,931	4,585,931	4,585,931
Net Cost / Rev Pax	\$2.01	\$1.80	\$1.55	\$2.33	\$2.20	\$2.06
Cost Hecovery Ratio	18.35%	20.03%	22.60%	16.99%	17.84%	18.77%

EXPRESS SERVICE						
Depreciation Included	All	Peak <u>Vehicle</u>	None	АШ	Off-Peak <u>Vehicle</u>	None
Cost	\$1,482,522	\$1,259,209	\$1.098.490	\$317 767	\$207 107	\$200.040
Revenue	204,549	204,549	204,549	70,775	φ237,107 70 775	φ290,040 70 775
Deficit	\$1,277,973	\$1,054,660	\$893,941	\$246,992	\$226,332	\$210 265
Revenue Pax	297,452	297,452	297,452	97,108	97 108	φ219,203 07 109
Net Cost / Rev Pax	\$4.30	\$3.55	\$3.01	\$2.54	\$2.33	\$2.26
Cost Recovery Ratio	13.80%	16.24%	18.62%	22.27%	23.82%	24.40%

METRO P&R SERVICE						
Depreciation Included	All	Peak <u>Vehicle</u>	None	All	Off-Peak <u>Vehicle</u>	None
Cost Revenue Deficit Revenue Pax Net Cost / Rev Pax Cost Recovery Ratio	\$5,600,385 1,427,662 \$4,172,723 989,497 \$4.22 25.49%	\$4,197,118 1,427,662 \$2,769,456 989,497 \$2.80 34.02%	\$3,627,683 1,427,662 \$2,200,021 989,497 \$2.22 39,35%	\$393,110 163,427 \$229,683 60,419 \$3.80 41 57%	\$313,877 163,427 \$150,450 60,419 \$2.49 52.07%	\$302,893 163,427 \$139,466 60,419 \$2.31

ALL	SEF	RVICI	EMC	DES
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Depreciation Included	All	Peak <u>Vehicle</u>	None	All	Off-Peak <u>Vehicle</u>	None
Cost	\$19,945,746	\$17,242,314	\$15,171,786	\$13.587.993	\$12,872,763	\$12 245 069
Revenue	3,992,622	3,992,622	3,992,622	2.421.745	2,421,745	2 421 745
Deficit	\$15,953,124	\$13,249,692	\$11,179,164	\$11,166,248	\$10,451,018	\$9,823,324
Revenue Pax	6,511,771	6,511,771	6,511,771	4,743,458	4,743,458	4 743 458
Net Cost / Rev Pax	\$2.45	\$2.03	\$1.72	\$2.36	\$2.20	\$2 07
Cost Recovery Ratio	20.02%	23.16%	26.32%	17.82%	18 81%	10 78%

Note: The total of peak and off-peak cost and revenue may not exactly equal the totals in Table IV.1 due to rounding of values in the process of disaggregation.

Therefore, the exclusion of depreciation does not change total costs in the off-peak as much as it does in the peak. Local service's better financial performance in the peak is due to the higher ridership during that period. Service levels and revenue ridership during the peak and off-peak periods are shown in Table IV.6

Table IV.6

1st Quarter FY 1986 WeekdayTotal Revenue Hours and Revenue Ridership by Period

Service Mode	Re Peak	Revenue Hours Peak Off-Peak		ue Passengers Off-Peak
Local	162,901	189,482	5,224,822	4,585,931
Express	12,437	3,986	297,452	97,108
Metro P&R	31,376	3,911	989,497	60,419

In terms of the two financial performance measures, express and park-and-ride services do better in the off-peak than in the peak. This is related to both the lower cost of operation during the peak and, once again, the fact that more depreciation costs are charged against peak services. Other studies (Cervero, 1980, p.93) have found that cost recovery ratios during the midday off-peak period (when off-peak express and park-and-ride service is operated) are higher than for any other period. Vehicles operating are part of straight runs which represent the most cost effective scheduling. Table IV.7 illustrates the differences in cost and productivity during the peak and off-peak periods which explains much of the difference in the cost recovery ratios.

Table IV.7

Cost* and Ridership per Revenue Hour by Period

	Cost/Re	venue Hour	Revenue Passengers/Revenue Hour		
Service Mode	Peak	Off-Peak	Peak	Off-Peak	
Local	\$ 72.35	\$64.71	32.07	24.20	
Express	\$101.25	\$74.54	23.92	24.36	
Metro P&R	\$133.77	\$80.25	31.54	15.45	

*Only vehicle depreciation included.

It can be said, then, that local service does not have a higher cost recovery ratio than park-and-ride service during the peak period, but does have a higher ratio than express service. However, in terms of net cost per revenue passenger, local service is still lower in the peak than either of the other service modes. In terms of productivity, Table IV.7 indicates that peak local and park-and-ride service board about the same number of revenue passengers per hour.

Validity of the Data for Generalizing Findings

In reviewing the cost revenue analysis consideration must be given to the fact that the data are limited to the first quarter of fiscal year 1986. Any conclusions based on data are somewhat restricted to that quarter. To get a feel for whether the first quarter data are representative of METRO route performance a comparison was made between the cost recovery ratios from the first quarter fiscal year 1986 and the preceding four quarters. The result of the comparison as illustrated in Figure IV.1 indicates very little difference between the first quarter of fiscal year 1986 and the average cost recovery ratios for the average of the previous four quarters.

The largest difference is between the first quarter cost recovery ratio for METRO park and ride service and the four quarter average. The first quarter is approximately 11 percent lower. The only explanation that can be offered based on this study is the change in park and ride service levels that took place during the first quarter and in the final weeks of the fourth quarter fiscal year 1985. Some of these were identified in the beginning of Part III. In addition to those changes, two new park and ride routes, No. 238-Maxey Road and No. 291-North Shepherd-TMC, were begun in September 1985. New service normally takes time to build ridership. This service increment may have depressed the cost revenue ratio.

Figure IV.1



A statistical comparison of route cost recovery ratios in different periods is not possible due to the lack of route cost revenue information other than that developed as part of this study. However, some confidence that the first quarter fiscal year 1986 cost recovery ratios are representative of recent trends can be gained from the preceding comparison with the previous quarters. Data for the five quarters is summarized in Appendix A.

Part V - SUMMARY AND CONCLUSIONS

This study began with the question, "Can park-and-ride service break even?" The preceding analysis has shown clearly that METRO park-and-ride service does not pay for itself, or come at all close to paying for itself. It might then be asked whether the revenue performance of METRO's commuter oriented services be can improved. The answer to the question is complex. It requires a basic understanding of urban transportation economics and the public policies under which transit systems such as METRO operate. The following paragraphs summarize the principles that affect the level of transit sevice provided and the pricing of that service. A better understanding of the principles can be had by referring to authors such as Dygert (1976) and Billingsley, et. al. (1980) who provide more detailed, but easily comprehended, explanations of the subject.

Fare Elasticities

Price elasticity of demand is an economic measure of the change in the quantity of a product or service demanded in relation to a change in the price of the product or service. Numerous studies have found that the demand for transit service is price inelastic. When demand is inelastic, the percentage change in demand will be less than the percentage change in price. If price increases ten percent and ridership subsequently decreases by six percent, the demand is price inelastic. In this example the price elasticity is measured as -0.6 (the coefficient of elasticity) indicating that the decrease in demand is only 60 percent of the percentage change in price.

When demand is inelastic the total revenue from a price increase will increase even though ridership declines. Therefore, fare increases are seen as postive improvements in revenue, but at the expense of ridership. Some transit systems will attempt to offset the loss of ridership by increasing service at the same time fares are increased. The demand elasticity for service improvements has been measured as being elastic (or if inelastic, with a positive coefficient signifying that an increase in service is followed by an increase in ridership). In which case, the service improvement might result in enough new ridership to make up for the loss in revenue. The increase in service, however, is made at an additional cost and the net change in revenue may not be positive.

Where the price elasticity of transit service has been measured elasticity has been found to range from roughly -0.2 to -0.6. The elasticity for market segments within a system may vary. Mayworm, Lago and McEnroe (1980) have reported that:

- off-peak fare elasticities are double the size of peak fare elasticities;
- short-distance trips are more elastic than long-distance trips;
- intrasuburban trips are four times more elastic than radial trips on arterials;
- fare elasticities rise with income and fall with age; and
- of all trip purposes, the work trip is the most inelastic.

Fare elasticity data for the METRO system is limited. It has been reported that the fare elasticity for METRO commuter service is -0.4 and -0.3 for local service. The documentation for this finding is not conclusive, however. The higher value for commuter service would tend to contradict the findings of Mayworm, et. al., with the exception of the relationship to income. There is no reason to suspect that the elasticity of METRO park-and-ride or express service would not fall in the -0.2 to -0.6 range.

* Report on proposed fare increase prepared for METRO board and dated November 21, 1985.

The cost of substitute services is a primary factor in what determines fare elasticity. Where a substitute for transit service is readily available, transit use has a higher elasticity. As noted, higher income riders, presumably with an automobile available, are more likely to change modes in greater proportion than those individuals without that alternative. Many studies have found that the demand for transit service by elderly and lower income individuals is very inelastic, reflecting their lack of viable alternatives to transit use. To maintain the socially desirable benefits of transit service, fares are kept as low as possible following a policy of "second best" pricing.

"Second Best" Pricing

Large increases in transit fares are limited by the pricing policy adopted by publicly operated transit agencies. It is the economic ideal that all services be priced at their "optimal" marginal cost. In this way, an additional quantity of a service or product is consumed only if the purchaser is willing to pay the additional cost of providing that service. However, optimal pricing assumes that all competitive products or services are so priced. There is a great deal of documentation in the transportation economics literature that indicates that urban highway pricing is not optimally priced (Dygert 1976, pp. IV-31-34), (Wachs 1981). Motorists traveling during the peak periods pay only the average cost of the facilities they use rather than the marginal cost. Furthermore, the external cost of highway travel--congestion, pollution, less than optimal land use--are borne by the public at large. Charging the transit rider for the full cost of his or her ride would create an economic disincentive to use the service. Since the use of transit is considered beneficial to the public at large, the policy of subsidizing the cost of transit service has been adopted by public bodies to make the service competitive with the automobile alternative. Transit fares are less than they would be if optimally priced. This is referred to as "second best" pricing.

There are limits, however, to second best pricing. A classic study of travel demand in Chicago cited by Dygert (1976, p.IV-35) found that negative fares would have to be charged to achieve a 50 percent shift in mode choice. In other words, even paying people to ride would be required to make substantial changes in the way they travel. Many factors determine the price one is willing to pay for transit service. Time is an important cost to the traveller. Transit service improvements that reduce travel time have been found to be more conducive to increased ridership than fare reduction or stabilization (Dygert 1976, p.III-44). Transit pricing is only one mechanism for attracting ridership.

METRO Fare Policy

METRO has pursued an aggressive policy of promoting ridership with increased service levels, reliability, comfort and convenience. All of these promote increased transit use. METRO has also restructured and moderately increased its fares in recent years. The local fare was changed in 1985 from a three zone structure (\$0.40, 0.50, 0.60) to a flat fare of \$0.55. The base fare was increased to \$0.60 in March 1986. Express fares increased at that time from \$0.80 to \$0.85. METRO's policy is to charge 1.5 times the base fare for express service. Park-and-ride fares were increased at the same time from \$0.05 to 0.10, the larger increases being for the higher fares.

Increases of this amount should not have a significant effect on ridership. There is some question as to whether the elasticity effect of fare increases in the five to ten percent range are even measureable. Table V.1 shows the percent change in fare between March 1984 and the fare change that took place in March 1986 for the park-and-ride routes opearting in both years. The fares reflect the 1986 monthly pass fare in March 1984 dollars. The monthly pass fare on some routes actually declined in some cases due to a restructuring of park-and-ride fares in 1985. Fare changes of the magnitude shown in Table V.1 are not likely to have a detrimental effect on ridership. Changes in ridership are more likely to be due to fluctuation in the price of gas, employment, highway construction and other related factors.

Table V.1

Value of METRO P&R Fare Increases Since March 1984 (1986 Fares in March 1984 Dollars*)

Deflated '84-'86 Average Monthly Pass Monthly Pass Monthly Pass % Annual Line No./Name March 1984 March 1986 March 1986 Increase % Increase \$50.00 \$52.00 \$50.67 59 Southwest Frwy. 1.35 0.6717 107 FM 1960 \$70.00 \$84.00 \$81.86 16.94 8.1388 201 North Shepherd \$50.00 \$52.00 \$50.67 1.35 0.6717 202 Kuykendahl \$74.00 \$72.00 \$70.16 -5.18 -2.6264 \$86.00 \$84.00 \$81.86 -4.82 -2.4379204 Spring \$94.00 \$91.60 6.52 3.2062 205 Kingswood \$86.00 \$62.00 \$60.42 4.17 2.0640 206 Eastex \$58.00 \$72.00 \$70.16 20.97 9.9875 212 Seton Lake \$58.00 \$91.60 6.52 3.2062 221 Kingsland \$86.00 \$94.00 221 Katy/Fry \$94.00 \$94.00 \$91.60 -2.55 -1.2832\$74.00 \$72.00 \$70.16 -5.18 -2.6264228 Addicks \$50.00 \$60.42 245 Edgebrook \$62.00 20.84 9.9263 \$81.86 16.94 246 **Bay Area** \$70.00 \$84.00 8.1388 \$44.83 17.97 261 West Loop \$38.00 \$46.00 8.6121 262 Westwood \$62.00 \$62.00 \$60.42 -2.55 -1.2832 2.0640 270 \$58.00 \$62.00 \$60.42 4.17 Missouri City Average All Lines 5.14 2.5395

*Fares deflated using the CPI-All Urban Consumers: Houston (1967=100)

METRO's fare policy recognizes that park-and-ride services cost more to provide, offer a premium service in terms of transit travel time, and that longer routes are more expensive to operate. The lowest park-and-ride fare is more than twice the local fare although the shorter park-and-ride routes are no longer than many local routes. However, as was seen in Table IV.2, the cost of transporting a passenger on park-and-ride or express service cost more than transporting the same passenger on the local system. Furthermore, the net cost to METRO of transporting the park-and-ride passenger ranges from 25 to 95 percent more than for the local passenger (Table IV.1), depending on which levels of depreciation cost are being considered.

The express net cost per passenger is generally higher still, while contract park-and-ride has a lower net cost per passenger than local service when only vehicle depreciation costs are considered. On the positive side, park-and-ride routes do have a higher cost recovery ratio than either local or express routes, generally about twice as high. This contributes to METRO's systemwide cost recovery goal of 40 percent by 1990. Express routes, on the other hand, have lower cost recovery ratios than either local or park-and-ride service and, therefore, detract from the cost recovery objective.

Alternative Fare Policies

It is difficult to say what the impact on ridership would be if commuter fares were increased, except it can be said with some confidence that ridership would decline if large increases were made at once. Even this statement must include the proviso that "all other factors remain constant." Fare increases in the face of restraints on fuel availability might have completely different fare elasticities than are normally encountered. Estimates of fare elasticity found in the literature must also be considered illustrative. In most cases they represent the response to a fare change under specific conditions which may have had an impact on the measured ridership response. There is also some question of whether the reported fare elasticity would extend over a broad range of fare changes. It has been previously noted that the measurement of small fare changes may not be accurate.

Evidence has not been found that would suggest that the METRO fare structure is based on a market analysis of the demand for the service. The lowest park-and-ride fare is roughly double the base fare. Fares are incremented \$0.25 to 0.30 for each zone. Whether a significant increase in park-and-ride fares would result in a substantial loss in ridership is unknown. It is possible that the ridership loss would be less than expected if in fact, the present fare structure is unrelated to the elasticity of demand for the service. The only way to determine the true elasticity for the park-and-ride service would be to make a major fare change and measure the resulting change in ridership (while monitoring related demand factors).* This is not likely to be done for the sake of determining the fare elasticity of METRO's park-and-ride service. To illustrate the effect of fare elasticity we can hypothesize fare changes and fare elasticities, and then observe the effect on ridership and revenue.

Hypothetical fare changes related to the issues addressed by this study have been chosen for this illustration. The changes include the fare that would have to be charged for park-and-ride service to pay for itself; and secondly, the fare that would have to be charged in order for the net cost service of local and park-and-ride service to be the same. For this analysis we will use the service mode cost, revenue and ridership from Table IV.1. It is assumed that service levels (and, therefore, costs) remain the same after the fare change. Assuming for the sake of the analysis that ridership would not change with a fare increase, the required break-even average fare can be found by dividing cost by revenue ridership. The fare which would result in the same net cost as for local service can be estimated by subtracting the local service net cost per passenger from the break-even fare. The results are shown in Table V.2.

Table V.2

Alternative Fares for Break-even and Equalized Net Cost per Passenger

		All Dep	reciation	Vehicle Depreciation		No Depreciation	
	Exist Avg Fare*	Break-even	Equal Net Cost	Break-even	Equal Net Cost	Break-even	Equal Net Cost
P&R	\$1.60	\$5.47	\$3.31	\$4.16	\$2.18	\$3.75	\$1.95
Express	.70	4.56	2.40	3.94	1.95	3.52	1.73

* Park-and-ride cash fares range from \$1.15 to \$2.35; the express cash fare is \$0.80. Average fares are less due to monthly pass use and fare discounts. METRO and contract P&R have been combined in the categories including depreciation.

*See Kemp (1981) for a detailed explanation of an empirical derivation of fare elasticity.

For example, with only vehicle depreciation included, the existing average park-and-ride fare would have to have been \$4.16 for revenue to equal cost. The park-and-ride net cost per revenue passenger (in the first quarter fiscal year 1986, \$2.57) would have equaled the net cost for a local passenger (\$1.99) if the average park-and-ride fare had been \$2.18. This would be a 36.25 percent increase over the actual average fare of \$1.60. Also assume the elasticity for commuter service is -0.4. As shown below, an increase to the higher fares would result then in a 14.5 percent drop in ridership. The new net cost per passenger, using data from Table IV.1, would be:

ridership before fare change	1,429,145
ridership after fare change	1,221,919
revenue after fare change	1,221,919 x \$2.18 = \$2,663,783
deficit after fare change	\$5,956,392-2,663,783 = \$3,292,609
net cost per passenger	\$3,292,609+1,221,919 = \$2.69

A desired increase in revenue has been achieved but the objective of equalizing the net cost per revenue passenger has not been met. The net cost per passenger has actually increased. It can be shown that any increase in the fare will subsequently increase the net cost per passenger when the price elasticity is -0.4. This is because revenue increases at a decreasing rate while ridership decreases at an increasing rate. Total revenue will increase to a point, after which it will begin to decrease due to the more rapidly declining ridership. Depending on the elasticity, park-and-ride *revenue* will be maximized as follows:

Elasticity	<u>Revenue Maximizing Fare</u>	<u>Total Revenue</u>	<u>Ridership</u>
2	\$4.80	\$4,115,938	857,487
3	3.50	3,313,832	946,809
4	2.80	2,801,125	1,000,402
5	2.40	2,679,648	1,116,520

Base fare was \$1.60, revenue \$2,286,632, ridership 1,429,145

Conclusion Regarding Fare Policy

Increasing fares to increase revenue is generally done at the expense of decreased ridership, no matter what the actual fare elasticity might be. The decision of whether the revenue or the ridership is more important is a policy decision that must be made by the transit board. If fares are increased and ridership declines, service levels might be reduced in return. The reduction in cost and increase in revenue would improve the cost recovery ratio. If service reductions diminish the attractiveness of the service, however, additional ridership decreases might result in decreased revenue. The decision in not easy, especially without an accurate knowledge of market segment fare elasticities.

Transitways

Transitways decrease travel time. In this respect they are service improvements that can be expected to attract transit rideship. Transitways help offset the travel time advantage of automobile users who are making the same trip. Since travel time is a trip "cost", the transitway, in effect, is a form of fare reduction. As noted previously, service improvements are preferable to actual fare reductions for encouraging ridership.

The comparison of the costs for the park-and-ride routes that operate in transitways with those that do not has shown that when the depreciated cost of the transitway is included, the transitway routes cost 38 percent more per revenue hour to operate. The transitway depreciation accounts for 58 percent of the difference or \$28.44 per revenue hour of service. However, the transitway park-and-ride routes carry 30 revenue passenger per revenue hour compared to 26 for the non-transitway routes. Revenue per passenger is also higher on the transitway routes though this is primarily due to the higher distance based fares on these routes. The result is almost identical cost recovery ratios for the two groups, although the net cost per passenger to METRO for the transitway service is 17 percent greater.

It could be argued that a premium should be added to the fares for the routes using the transitways. The premium, however, would offset the reduction in travel time provided by the transitway. The result would be a loss of ridership which would negate the benefit of the transitway. The cost of the transitway should be seen as a cost of attracting the riders who might otherwise not use the park-and-ride service. This is consistent with METRO's policy of increasing ridership.

Contract Park-and-Ride

Contract park-and-ride costs are significantly less than those for METRO park-and-ride. Contract service presumably costs less because of lower wages paid by the private operators to drivers and maintenance personnel. This is beneficial to METRO as long as service standards can be maintained with private operators. METRO has been at the forefront of transit systems nationwide in promoting what is presently called "privatization." METRO and other transit systems should be encouraged to take advantage of the benefits of contract service where they are available. It remains to be seen the extent to which the private sector will be willing to further invest in public transit operations.

Differential Fare Structures

The premium charged by METRO for park-and-ride service is an example of a quality and distance based fare. The park-and-ride service is seen as being preferable to local transit service where available and, therefore, subject to a higher fare. The fact that people use the service when they might use the local service supports the theory that the park-and-ride service is preferable, even at a higher price. Park-and-ride fares also vary by route distance. Much of the criticism of fare policy in the literature is aimed at fare structures which neither reflect the value of the service to the rider or the cost of the service to the provider. In this respect, METRO's park-and-ride fare structure seems appropriate.

METRO local service prior to 1984 had a distance based component. The three zone structure was abandoned in favor of a flat fare. The simplicity of flat fare structures is often seen as an incentive to transit use. Depending on average trip lengths, the loss of revenue from zone charges may or may not have been offset by the increase in ridership due to the attractiveness of the flat fare structure. It can been seen that a flat fare structure for park-and-ride services would have a negative financial impact. Higher fares on short routes would result in the loss of some ridership while lower fares on longer routes would decrease their cost recovery ratios.

A strong argument can be made for time based fares although this is not as much of an issue for commuter services which generally are restricted to the peak period. Cervero (1980) among others has noted that cost recovery ratios for midday ridership are the highest when revenue and cost are apportioned by a.m. peak, midday, p.m peak and evening schedules. This is due to the better utilization of labor during the midday which reduces cost. It has also been noted that non-peak service is more elastic than peak service. Therefore, significant fare reductions in the midday period could markedly increase ridership. The loss of revenue from decreased off-peak fares would be made up by slightly increasing peak fares. The net effect would be a gain in total daily ridership.

This study's analysis of peak and off-peak cost recovery has not divided the off-peak into midday and evening segments. Therefore, it is not known if the midday cost recovery ratio is greater than that for other periods. Such a differential might justify a fare reduction as proposed in the preceding paragraph. The present analysis has found that the off-peak cost recovery ratio is lower in the off-peak period than in the peak. A further breakdown of the time-of-day cost recovery data would be useful if there were an interest in pursuing this fare policy.

In some instances, fares can be increased for limited segments of the market. Cervero (1980, p.19) has also noted that "the only transit services in the nation that are breaking even today are club buses, subscription services and taxi operations; each set prices according to the type of service characteristics people are willing to pay for – reduced travel time, air conditioning, or guaranteed seats." For each of these alternatives the users agree in advance to pay for all or a guaranteed percentage of the cost of the service. Without the advanced commitment the service does not operate. This arrangement attracts only the riders for whom the service has sufficient value to justify paying the higher fare. In the METRO service area much of this market is likely to be served by vanpools.

Further Study

The importance in understanding the fare elasticities of the different market segments that make up the demand for urban transit service has been illustrated in this report. Unfortunately, there is little empirical data on disaagregate elasticities. The focus of transit financial policy over the last fifteen years has been aimed toward rebuilding the ridership base that had been lost during the 1950's and 1960's. This policy entailed simplified fare structures and heavily subsidized fares to encourage ridership.

The focus of the 1980's has changed to one of cost reduction and revenue enhancement. At least some of the change can be attributed to stablized levels of federal operating assistance. Though increased operating deficits are not yet threatening service levels among Texas' transit authorities, all recognize the need to increase revenue where the opportunity exists. As the focus shifts to revenue enhancement measures, better information will be needed on the demand characteristics of market segments, especially in realtionship to fare elasticities.

The best method for establishing fare elasticity information is from longitudinal (time) studies of travel behavior by market segment, supported by selected market surveys and selected tests of pricing strategies. The marketing departments of the major transit authorities would do well to address some of their resources to these activities in preparation for a changing financial climate for public transportation.

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Appendix A

Cost Recovery Ratios by Service Mode 1st Quarter FY 1985 - 1st Quarter FY 1986

Quarter	Service Mode	_Revenue_	Cost*	Recovery Ratio
1st	Local	\$5,094,498	\$26,804,661	0.1901
Quarter	Metro P&R	1,246,482	4,092,339	0.3046
FY85	Contract P&R	796,109	1,949,126	0.4084
	System	\$7,137,089	\$32,846,126	0.2173
2nd	Local	\$5,024,838	\$29,396,230	0 1709
Quarter	Metro P&R	1,260,446	4,331,332	0.1700
FY85	Contract P&R	858.541	1,969,567	0.4359
	System	\$7,143,825	\$35,697,129	0.2001
3rd	Local	\$5,576,796	\$30,206,838	0 1846
Quarter	Metro P&R	1,330,815	4,456,465	0.2986
FY85	Contract P&R	886.812	2.155.659	0.4114
÷.,	System	\$7,794,423	\$36,818,962	0.2117
4th	Local	\$5,712,155	\$33,788,823	0.1691
Quarter	Metro P&R	1,565,757	5,375,817	0.2913
FY85	Contract P&R	<u>799.741</u>	2.252.187	0.3551
	System	\$8,077,653	\$41,416,827	0.1950
1st	Local	\$5,500,162	\$31.980.037	0.1720
Quarter	Metro P&R	1,604,216	6,220,318	0.2579
FY86	Contract P&R	755.957	1.825.184	0.4142
· · · · · · · · · · · · · · · · · · ·	System	\$7,860,335	\$40,025,539	0.1964
FY85	Local	\$21,408,287	\$120,196,552	0.1781
Quarter	Metro P&R	5,403,500	18,255,953	0.2960
Average	Contract P&R	3.341.203	8.326.539	0.4013
	System	\$30,152,990	\$146,779,044	0.2054

Source: METRO Cost Allocation Model Reports for each quarter.

*Cost includes all depreciation.

APPENDIX B METRO 1ST QUARTER FY 1986 PERFORMANCE MEASURES

	AVG	AVG	ADJ	ALLOCATED	ALLOCATED	ALLOCATED	DAILY	DAILY	DAILY	DAILY	DAILY
	WKDAY	WKDAY	TOTAL	COST WITH	COST WITH	COST WITH	SCHEDULED	SCHEDULED	SCHEDULED	REVENUE	REVENUE
NO. ROUTE NAME	PAX	REV PAX	REVENUE	ALL DEPRC	VEH DEPRC	NO DEPRC	VEHICLE MI	VEHICLE HR	PAY HOURS	MILES	HOURS
WEEKDAY LOCAL											
1 HOSPITAL	3,036	1,846	\$56,411	\$316,205	\$295,422	\$272,007	912.97	90.517	96.550	758.21	77.996
2 BELLAIRE	10,044	7,231	\$221,211	\$1,069,195	\$990,709	\$897,048	3524.23	267.783	292.283	2989.86	213.370
3 LANGLEY LTD	3,828	2,660	\$78,466	\$433,161	\$405,346	\$374,125	1495.83	118.600	119.900	1338.43	98.334
4 BEECHNUT	4,750	3,488	\$104,278	\$636,424	\$595,452	\$548,622	2262.54	162.033	177.717	1936.70	136.720
5 KASHMERE GARDENS	5,386	3,834	\$108,440	\$596,480	\$550,651	\$496,015	1643.70	163.467	172.267	1469.98	129.500
6 JENSEN	4,112	2,761	\$86,374	\$533,683	\$494,002	\$447,171	1682.35	144.183	144.300	1535.67	112.460
8 NORTH/SOUTH MAIN	8,026	5,728	\$174,459	\$917,839	\$864,531	\$805,993	3431.12	236.683	259.717	2941.70	204.770
9 HIRSCH/MED CENTER	7,561	5,360	\$154,431	\$927,302	\$866,051	\$795,806	3223.45	241.383	256.800	2796.12	201.650
11 NANCE	1,634	1,140	\$32,719	\$178,057	\$167,274	\$155,566	510.03	52.550	56.483	477.83	47.303
12 ALLEN HOUSE		0	\$1,035	\$48,440	\$42,713	\$34,908	137.40	7.833	10.767	76.96	5.701
14 HIRAM CLARKE LTD	5,489	3,847	\$115,406	\$650,393	\$609,076	\$562,245	2333.43	168.100	180.433	1959.30	140.250
15 FULTON-WEST GRAY	4,039	2,877	\$85,182	\$383,602	\$359,338	\$332,020	1264.50	102.917	112.533	1076.50	92.884
16 MEMORIAL	1,462	1,000	\$29,137	\$271,365	\$251,912	\$228,497	1142.94	59.433	62.683	950.68	49.147
17 TANGLEWOOD	1,392	981	\$28,336	\$214,543	\$198,530	\$179,018	867.16	46.733	50.400	732.28	39.437
20 CANAL	3,199	2,309	\$70,661	\$214,730	\$198,464	\$178,952	625.02	55.683	62.017	602.50	50.860
22 ALEMEDA	1,493	1,021	\$30,643	\$223,032	\$209,213	\$193,602	859.45	55.767	59.733	760.23	46.087
24 KEMPWOOD	1,601	1,112	\$35,544	\$219,583	\$203,418	\$183,905	824.49	50.550	55.200	686.17	42.929
25 RICHMOND-NORTHLINE	11,792	8,640	\$265,356	\$1,115,682	\$1,038,557	\$948,798	3562.84	293.333	319.500	3172.80	255.730
26 OUTERLOOP XTOWN	4,988	3,370	\$93,566	\$609,456	\$568,789	\$521,958	2146.29	157.517	166.250	2072.89	139.080
28 SOUTHMORE	5,355	3,753	\$102,320	\$576,870	\$541,448	\$502,422	1922.51	160.983	167.617	1662.91	129.310
30 CULLEN-CLINTON	6,628	4,620	\$137,149	\$921,218	\$860,443	\$790,197	3384.45	229.050	248.250	2771.45	195.528
33 POST OAK XTOWN	1,885	1,183	\$35,667	\$407,400	\$382,795	\$355,477	1487.96	106.550	114.217	1351.20	93.401
34 MONTROSE XTOWN	1,349	989	\$28,633	\$253,262	\$236,163	\$216,650	788.34	70.450	73.117	687.32	63.073
35 KIRBY-LEELAND	1,484	1,074	\$31,264	\$31,2,324	\$289,442	\$262,124	1069.08	77.267	83.250	930.42	65,130
36 LAWNDALE	2,740	2,035	\$61,649	\$278,134	\$258,233	\$234,818	872.71	72.867	78.917	791.01	60.924
39 LONG POINT	3,220	2,296	\$74,527	\$382,184	\$358,386	\$331,068	1556.68	88.767	99.717	1351.30	74.724
40 TELEPHONE-PECORE	6,802	4,794	\$141,560	\$745,272	\$697,523	\$642,887	2746.56	186.333	203.800	2340.28	162.830
42 HOLMAN XTOWN	3,628	2,218	\$62,211	\$293,041	\$272,848	\$249,433	895.88	78.550	86.100	836.38	69.408
44 ACRES HOMES LTD	2,956	1,979	\$59,681	\$512,023	\$483,415	\$452,194	2147.73	125.033	135.533	1951.50	109.180
46 GESSNER XTOWN	2,102	1,358	\$42,876	\$276,351	\$259,009	\$239,496	1016.75	71.983	75.233	896.65	60.354
48 NAVIGATION-WASHGTN	4,061	2,729	\$83,571	\$490,073	\$461,526	\$430,306	1801.58	129.067	139.150	1619.78	111.710
50 HEIGHTS-HARRISBURG	9,372	6,877	\$207,759	\$862,328	\$804,997	\$738,654	3102.76	216.367	234.633	2713.89	183.890
52 SCOTT	6,951	4,957	\$137,736	\$796,087	\$742,227	\$679,786	2622.98	206.150	227.383	2080.60	169.930
53 WESTHEIMER LTD	4,490	3,348	\$102,950	\$551,724	\$512,771	\$465,941	2133.07	122.183	141.733	1703.49	103.870
56 AIRLINE LTD	2,614	1,870	\$58,290	\$474,215	\$446,244	\$415,023	1959.19	114.717	123.917	1678.40	98.019
58 HAMMERLY	1,096	757	\$23,569	\$209,095	\$195,585	\$179,975	810.14	50.100	55.233	687.08	42.388

	APPENDIX	B (co	n't)	AVG	AVG	AÐJ	ALLOCATED	ALLOCATED	ALLOCATED	DAILY	DAILY	DAILY	DAILY	DAILY
		•		WKDAY	WKDAY	TOTAL	COST WITH	COST WITH	COST WITH	SCHEDULED	SCHEDULED	SCHEDULED	REVENUE	REVENUE
NO.	ROUTE NAME	:		PAX	REV PAX	REVENUE	ALL DEPRC	VEH DEPRC	NO DEPRC	VEHICLE MI	VEHICLE HR	PAY HOURS	MILES	HOURS
W	EEKDAY LC	CAL (CON	T								·		
60	HARDY-S.Ma	cGREG	OR	3,541	2,445	\$68,588	\$365,493	\$338,975	\$307,755	1162.10	96.817	101.033	1032.64	81.072
63	SAN FELIPE I	LTD		1,602	1,059	\$30,935	\$268,197	\$248,603	\$225,187	920.76	65.783	71.750	740.00	49.350
. 64	GULFTON LTI	D		1,635	1,292	\$37,178	\$275,989	\$256,380	\$232,965	1068.21	63.800	69.067	905.21	54.907
65	BISSONET			3,676	2,625	\$80,161	\$427,757	\$400,317	\$369,097	1508.62	110.617	119.683	1217.00	91.022
68	BRAYS BAYC	U XTO	WN	3,289	2,499	\$71,873	\$371,925	\$347,897	\$320,579	1234.42	98.483	107.750	1063.12	85.317
70	UNIVERSITY			930	582	\$17,101	\$168,848	\$155,893	\$140,283	544.12	42.683	45.200	443.00	34.178
73	BELLFORT X	TOWN		4,648	2,822	\$82,045	\$394,609	\$370,347	\$343,029	1466.38	99.767	109.433	1339.24	83.120
75	TAFT			833	598	\$17,215	\$96,871	\$90,135	\$82,330	289.59	26.433	28.500	251.25	22.128
77	LIBERTY-ML	(LTD		11,738	8,443	\$237,279	\$1,092,493	\$1,021,221	\$939,267	4027.18	273.650	294.733	3254.47	226.907
78	ALABAMA-IR	VINGTO	DN	4,813	3,645	\$105,211	\$458,534	\$428,112	\$392,989	1550.42	117.417	130.633	1354.79	107.110
79	WEST LITTLE	YORK	LTD	1,157	776	\$23,374	\$199,360	\$185,752	\$170,142	746.87	53.100	49,567	668.52	36.701
80	DOWLING-LY	'ONS		7,652	5,150	\$153,832	\$707,149	\$661,729	\$610,996	2071.97	202,783	216.683	1887.85	180.730
82	WESTHEIMEI	R		9,088	6,567	\$203,643	\$799,842	\$747,741	\$689,203	2521.39	225.617	232,567	2279.29	192.190
84	FOUNTAIN VI	EW		492	405	\$11,220	\$101,083	\$94,415	\$86,610	434.93	22.800	24.033	389.43	19.981
85	ANTOINE LTD)		1,980	1,571	\$47,766	\$342,836	\$319,509	\$292,191	1458.62	80.517	78.950	1268.85	61.465
88	BROADWAY	LTD		581	498	\$14,834	\$124,895	\$110,388	\$90,875	347.09	23.500	27.283	246.29	15.771
89	YALE			3,047	2,232	\$65,582	\$495,216	\$466,038	\$433,842	1738.77	129.539	145.796	1473.28	112.409
93	GREENS ROA	٩D		319	243	\$7,862	\$105,335	\$98,454	\$90,649	360,75	28.350	29.283	300.75	20.896
98	TEXAS SPEC	IAL BLU	JE	1,676	1,442	\$44,376	\$149,595	\$147,467	\$147,467	535.92	35.900	64.267	459.95	47.787
99	TEXAS SPEC	IAL REI	D	1,998	1,675	\$51,808	\$153,387	\$151,057	\$151,057	563.92	39.633	63.000	470.12	45.674
402	P & HC SHUT	TLÉ		0		\$Ó	\$182,281	\$173,823	\$162,116	794.52	48.917	51.600	0.00	0.000
403	S&KSHUTTI	E		0		\$0	\$180,895	\$172,386	\$160,678	864.24	44.567	47.450	0.00	0.000
404	NW SHUTTLE			0		\$0	\$73,919	\$70,985	\$67,083	420.28	15.633	17.483	0.00	0.000
DAY	TOTAL WKD L	OC & S	HTL	215,260	152,612	\$4,534,951	\$25,437,285	\$23,770,127	\$21,849,099	89399.18	6527.788	7069.077	75433.52	5446.592
.37	EL SOL*			869	663	\$12,535	\$148,367	\$139,517	\$129,761	871.74	62.633	66.450	849.95	57.620
420	POST OAK S	P-GOLD) *	43	36	\$374	\$87,104	\$78,704	\$67,728	365.40	24.533	32.000	256.05	17.570
421	POST OAK SI	P-GREE	EN*	14	9	\$93	\$65,378	\$59,074	\$50,842	273.96	18.500	24.000	191.77	14.467
QT	TOTAL WKD L	OC & S	HTL	216,186	153,320	\$4,547,953	\$25,738,134	\$24,047,423	\$22,097,430	90910.28	6633.454	7191.527	76731.285	5536.249
	WEEKDAY	EXPRE	ESS		5									4 ¹
19	WILDCREST	EXP		634	553	\$24,442	\$219,883	\$173,536	\$154,023	774.04	35.283	38.783	526.34	24.913
21	NORTHSHOR	EEXP		1,784	1,392	\$61,565	\$302,755	\$277,966	\$246,746	1244.54	59.733	66.583	1020.12	43.781
31	MEMORIAL E	XP		2,815	2,072	\$94,273	\$648,310	\$526,609	\$475,876	2425.87	110.233	123.717	1789.70	82.694
32	HARWIN EXP			2,288	1,925	\$85,764	\$564,032	\$517,492	\$458,954	2178.38	115.633	130.500	1825.88	94.494
41	GARDEN VILI	LAS EX	P	268	224	\$9,280	\$67,130	\$61,057	\$53,252	247.74	13.333	15.017	194.34	10.721
C	T TOTAL WKD	EXPRE	ESS	7,789	6,165	\$275,324	\$1,802,111	\$1,556,661	\$1,388,851	6870.57	334.215	374.600	5356.38	256.603

*ROUTES OPERATING FOR LESS THAN 64 DAYS DURING THE 1ST QUARTER

			AVG	AVG	ADJ	ALLOCATED	ALLOCATED	ALLOCATED	DAILY	DAILY	DAILY	DAILY	DAILY
	APPENDIA	5 (con t		WKDAY	TOTAL	COST WITH	COST WITH	COST WITH	SCHEDULED	SCHEDULED	SCHEDULED	REVENUE	REVENUE
			DAY	REV PAX	REVENUE	ALL DEPRC	VEH DEPRC	NO DEPRC	VEHICLE MI	VEHICLE HR	PAY HOURS	MILES	HOURS
NO.		/ D2.D	FAA	net ina									
50	SOUTUMEST	EDV DLD	398	379	\$26.376	\$96,350	\$75,901	\$63,788	314.56	14.150	16.350	232.66	10.499
29	NODTH SUED	LEOD DE	2 1 513	1 472	\$105,929	\$515,156	\$342,201	\$289,710	1382.09	58.500	71.117	791.90	31.534
201		DLD	4 145	4.028	\$491.357	\$1,418,254	\$978,908	\$846,168	4430.01	176.506	198.925	2962.73	106.046
202	EASTEY DER		954	884	\$74,439	\$372,982	\$316,562	\$284,260	1638.46	65.167	72.083	1262.00	47.836
200	KATY W BEI	T P2P	570	556	\$46,743	\$265,022	\$197,284	\$177,095	988.23	40.155	42.902	829.57	31.057
210	NORTHWEST	PLR	861	834	\$84,146	\$258,976	\$223,576	\$203,387	1278.47	42.733	51.783	945.50	31.305
214	ADDICKS P&F		1,173	1.149	\$116.221	\$521,178	\$359,823	\$310,865	1832.45	55.167	65.748	1318.85	38.763
220	MAYEV PLR		276	237	\$19,281	\$121,141	\$100,273	\$88,160	460.28	20.233	23.833	372.77	15.019
200	EDGERBOOK	DLD	1 773	1.710	\$141,217	\$435,941	\$346,793	\$294,303	1373.84	69.100	80.383	1006.02	51.033
240	WESTIOOP	220	1 023	994	\$59,615	\$265,892	\$217,634	\$189,370	1058.22	40.917	46.817	795.30	28.634
201	WESTWOOD		1 331	1 289	\$106.530	\$391,129	\$328,126	\$291,786	1648.48	66.500	74.067	1092.30	42.169
202	ALIEE DOD		864	838	\$70,351	\$313.048	\$251,251	\$214,912	1072.48	48.983	56.650	528.52	26.807
200		AVE DED	130	128	\$15,843	\$119.402	\$107,391	\$91,240	563.35	18.898	22.531	248.55	9.297
204			2 277	7 263	\$23,321	\$106.897	\$86,217	\$74,104	364.05	17.500	19.833	199.50	9.421
291			2 15 280	14 762	\$1.381.370	\$5,201,368	\$3,931,939	\$3,419,148	18404.96	734.509	843.022	12586.166	479.419
004	KATY MASON		607	7 669	\$69.064	\$264,266	\$193,679	\$172,481	1354.04	45.817	53.067	1132.36	32.651
221	KINGSI AND I		551	534	\$18,133	\$83,328	\$59,905	\$52,839	1262.50	39.650	46.983	799.16	27.850
221	KINGSLAND	D*	166	159	\$5,418	\$39,355	\$29,281	\$26,253	695.94	19.017	21.250	511.17	14.523
107	EM 1060**		64	624	\$29.090	\$123,621	\$94,896	\$82,783	1233.28	48.433	57.283	808.40	34.150
204	SPRING PLR	**	1 982	1.934	\$88.015	\$281,559	\$201,293	\$177,067	2793.94	95.650	102.167	1779.86	65.716
204	TOTAL N	FTRO P&	R 19.333	18,681	\$1,591,089	\$5,993,497	\$4,510,994	\$3,930,571	25744.66	983.076	1123.772	17617.116	654.309
	*BOUTTES OF	PERATING	FORLES	S THAN 64	DAYS DURIN	G THE 1ST QUA	RTER					· •	
	**OPERATED	UNDER C	ONTRACT	DURING NO	OVEMBER AN	ND DECEMBER			· · ·				
	01 21 011 20	0.100											
	CONTRAC	T P&R				· · · · · · · · · · · · · · · · · · ·							
107	FM 1960**		53	9 521	\$40,005	\$141,866	\$109,133					808.40) 30.033
204	SPRING P&R	** .	1.81	9 1,758	\$134,996	\$337,364	\$233,939					1779.90	58.317
205		2&R	1.24	B 1,206	\$167,432	\$362,900	\$318,909	I	·			1461.40) 54.283
212	SETONIAKE	P&B	1.61	6 1,561	\$161,117	\$465,524	\$325,835		. 1			1257.40) 53.46/
246	BAY AREA P	R	1.25	7 1,215	\$149,285	\$345,283	\$304,352					1321.30	51.950
270	MISSOURICI	TY P&B	54	7 529	\$45,463	\$178,119	\$153,230	ł .	1	1.		454.40	26.350
210		TRACT P	B 7.02	6 6,789	\$698,298	\$1,831,056	\$1,445,398					7082.80) 274.400
				,	• •								

**OPERATED BY METRO DURING OCTOBER

SOURCE: PASSENGER DATA FROM QUARTERLY RIDERSHIP REPORT AND PCT83; VEHICLE MILE, VEHICLE HOUR, PAY HOUR FROM SUMMARY OF SCHEDULES; REVENUE MILES AND REVENUE HOURS FROM BLOCK SUMMARIES.

			ALLOCATED COST WITH ALL DEPRC PER				ALL	OCATED COS	ST WITH V	EH DEPRC	PER	
NO.	TYPE	ROUTE NAME	VEHICLE MI	VEHICLE HR	PAYHR	REVENUE M	REVENUE HR	VEHICLE MI	VEHICLE HR	PAYHR	REVENUE MI	REVENUE HR
		WEEKDAY LOCAL					1.4					
1		HOSPITAL	\$5.41	\$54.58	\$51.17	\$6.52	\$63.35	\$5.06	\$51.00	\$47.81	\$6.09	\$59.18
2		BELLAIRE	\$4.74	\$62.39	\$57.16	\$5.59	\$78.30	\$4.39	\$57.81	\$52.96	\$5.18	\$72.55
3		LANGLEY LTD	\$4.52	\$57.07	\$56.45	\$5.06	\$68.83	\$4.23	\$53.40	\$52.82	\$4.73	\$64.41
- 4		BEECHNUT	\$4.40	\$61.37	\$55.95	\$5.13	\$72.73	\$4.11	\$57.42	\$52.35	\$4.80	\$68.05
5		KASHMERE GARDENS	\$5.67	\$57.01	\$54.10	\$6.34	\$71.97	\$5.23	\$52.63	\$49.95	\$5.85	\$66.44
6		JENSEN	\$4.96	\$57.83	\$57.79	\$5.43	\$74.15	\$4.59	\$53.53	\$53.49	\$5.03	\$68.64
8		NORTH/SOUTH MAIN	\$4.18	\$60.59	\$55.22	\$4.88	\$70.04	\$3.94	\$57.07	\$52.01	\$4.59	\$65.97
9		HIRSCHIMED CENTER	\$4.49	\$60.03	\$56.42	\$5.18	\$71.85	\$4.20	\$56.06	\$52.69	\$4.84	\$67.11
11		NANCE	\$5.45	\$52.94	\$49.26	\$5.82	\$58.82	\$5.12	\$49.74	\$46.27	\$5.47	\$55.25
12		ALLEN HOUSE	\$5.51	\$96.63	\$70.30	\$9.83	\$132.76	\$4.86	\$85.20	\$61.99	\$8.67	\$117.07
14		HIRAM CLARKE LTD	\$4.36	\$60.45	\$56.32	\$5.19	\$72.46	\$4.08	\$56.61	\$52.74	\$4.86	\$67.86
15		FULTON-WEST GRAY	\$4.74	\$58.24	\$53.26	\$5.57	\$64.53	\$4.44	\$54.56	\$49.89	\$5.22	\$60.45
16		MEMORIAL	\$3.71	\$71.34	\$67.64	\$4.46	\$86.27	\$3.44	\$66.23	\$62.79	\$4.14	\$80.09
17		TANGLEWOOD	\$3.87	\$71.73	\$66.51	\$4.58	\$85.00	\$3.58	\$66.38	\$61.55	\$4.24	\$78.66
20		CÁNAL	\$5.37	\$60.25	\$54.10	\$5.57	\$65.97	\$4.96	\$55.69	\$50.00	\$5.15	\$60.97
22		ALEMEDA	\$4.05	\$62.49	\$58.34	\$4.58	\$75.62	\$3.80	\$58.62	\$54.73	\$4.30	\$70.93
24		KEMPWOOD	\$4.16	\$67.87	\$62.16	\$5.00	\$79.92	\$3.85	\$62.88	\$57.58	\$4.63	\$74.04
25		RICHMOND-NORTHLINE	\$4.89	\$59.43	\$54.56	\$5.49	\$68.17	\$4.55	\$55.32	\$50.79	\$5.11	\$63.46
26		OUTERLOOP XTOWN	\$4.44	\$60.46	\$57.28	\$4.59	\$68.47	\$4.14	\$56.42	\$53.46	\$4.29	\$63.90
28		SOUTHMORE	\$4.69	\$55.99	\$53.77	\$5.42	\$69.71	\$4.40	\$52.55	\$50.47	\$5.09	\$65.43
. 30		CULLEN-CLINTON	\$4.25	\$62.84	\$57.98	\$5.19	\$73.62	\$3.97	\$58.70	\$54.16	\$4.85	\$68.76
33		POST OAK XTOWN	\$4.28	\$59.74	\$55.73	\$4.71	\$68.15	\$4.02	\$56.13	\$52.37	\$4.43	\$64.04
34		MONTROSE XTOWN	\$5.02	\$56.17	\$54.12	\$5.76	\$62.74	\$4.68	\$52.38	\$50.47	\$5.37	\$58.50
35		KIRBY-LEELAND	\$4.56	\$63.16	\$58.62	\$5.25	\$74.93	\$4.23	\$58.53	\$54.32	\$4.86	\$69.44
-36		LAWNDALE	\$4.98	\$59.64	\$55.07	\$5.49	\$71.33	\$4.62	\$55.37	\$51.13	\$5.10	\$66.23
39		LONG POINT	\$3.84	\$67.27	\$59.89	\$4.42	\$79.92	\$3.60	\$63.08	\$56.16	\$4.14	\$74.94
40		TELEPHONE-PECORE	\$4.24	\$62.49	\$57.14	\$4.98	\$71.52	\$3.97	\$58.49	\$53.48	\$4.66	\$66.93
42		HOLMAN XTOWN	\$5.11	\$58.29	\$53.18	\$5.47	\$65.97	\$4.76	\$54.27	\$49.52	\$5.10	\$61.42
44		ACRES HOMES LTD	\$3.73	\$63.99	\$59.03	\$4.10	\$73.28	\$3.52	\$60.41	\$55.73	\$3.87	\$69.18
46		GESSNER XTOWN	\$4.25	\$59.99	\$57.39	\$4.82	\$71.54	\$3.98	\$56.22	\$53.79	\$4.51	\$67.05
48		NAVIGATION-WASHGTN	\$4.25	\$59.33	\$55.03	\$4.73	\$68.55	\$4.00	\$55.87	\$51.82	\$4.45	\$64.55
50		HEIGHTS-HARRISBURG	\$4.34	\$62.27	\$57.43	\$4.96	\$73.27	\$4.05	\$58.13	\$53.61	\$4.63	\$68.40
52		SCOTT	\$4,74	\$60.34	\$54.70	\$5.98	\$73.20	\$4.42	\$56.26	\$51.00	\$5.57	\$68.25
53		WESTHEIMER LTD	\$4.04	\$70.56	\$60.82	\$5.06	\$82.99	\$3.76	\$65.57	\$56.53	\$4.70	\$77.14
56		AIRLINE LTD	\$3.78	\$64.59	\$59.79	\$4.41	\$75.59	\$3.56	\$60.78	\$56.27	\$4.15	\$71.13
58		HAMMERLY	\$4.03	\$65.21	\$59.15	5 \$4.76	\$77.08	\$3.77	\$61.00	\$55.33	\$4.45	\$72.10

APPENDIX B (con't) METRO 1ST QUARTER FY 1986 PERFORMANCE MEASURES

APPENDIX B (con't)

		ALL	OCATED CO	ST WITH A	LL DEPRC	PER	ALLO	CATED CO	<u>ST WITH VE</u>	H DEPRC P	ER
NO.	TYPE ROUTE NAME	VEH MI	VEH HR	PAY HR	REV MI	REV HR	VEH MI	VEH HR	PAYHR	REV MI	REVHR
	WEEKDAY LOCAL		•								
60	HARDY-SO.MACGREGOR	\$4.91	\$58.99	\$56.52	\$5.53	\$70.44	\$4.56	\$54.71	\$52.42	\$5.13	\$65.33
63	SAN FELIPE LTD	\$4.55	\$63.70	\$58.41	\$5.66	\$84.92	\$4.22	\$59.05	\$54.14	\$5.25	\$78.71
64	GULFTON LTD	\$4.04	\$67.59	\$62.44	\$4.76	\$78.54	\$3.75	\$62.79	\$58.00	\$4.43	\$72.96
65	BISSONET	\$4.43	\$60.42	\$55.85	\$5.49	\$73.43	\$4.15	\$56.55	\$52.26	\$5.14	\$68.72
68	BRAYS BAYOU XTOWN	\$4.71	\$59.01	\$53.93	\$5.47	\$68.11	\$4.40	\$55.20	\$50.45	\$5.11	\$63.71
70	UNIVERSITY	\$4.85	\$61.81	\$58.37	\$5.96	\$77.19	\$4.48	\$57.07	\$53.89	\$5.50	\$71.27
73	BELLFORT XTOWN	\$4.20	\$61.80	\$56.34	\$4.60	\$74.18	\$3.95	\$58.00	\$52.88	\$4.32	\$69.62
75	TAFT	\$5.23	\$57.26	\$53.11	\$6.02	\$68.40	\$4.86	\$53.28	\$49.42	\$5.61	\$63.65
77	LIBERTY-MLK LTD	\$4.24	\$62.38	\$57.92	\$5.25	\$75.23	\$3.96	\$58.31	\$54.14	\$4.90	\$70.32
78	ALABAMA-IRVINGTON	\$4.62	\$61.02	\$54.85	\$5.29	\$66.89	\$4.31	\$56.97	\$51.21	\$4.94	\$62.45
79	WEST LITTLE YORK LTD	\$4.17	\$58.66	\$62.84	\$4.66	\$84.88	\$3.89	\$54.66	\$58.55	\$4.34	\$79.08
80	DOWLING-LYONS	\$5.33	\$54.49	\$50.99	\$5.85	\$61.14	\$4.99	\$50.99	\$47.72	\$5.48	\$57.21
82	WESTHEIMER	\$4.96	\$55.39	\$53.74	\$5.48	\$65.03	\$4.63	\$51.78	\$50.24	\$5.13	\$60.79
84	FOUNTAIN VIEW	\$3.63	\$69.27	\$65.72	\$4.06	\$79.05	\$3.39	\$64.70	\$61.38	\$3.79	\$73.83
85	ANTOINE LTD	\$3.67	\$66.53	\$67.85	\$4.22	\$87.15	\$3.42	\$62.00	\$63.23	\$3.93	\$81.22
88	BROADWAY LTD	\$5.62	\$83.04	\$71.53	\$7.92	\$123.74	\$4.97	\$73.40	\$63.22	\$7.00	\$109.37
89	YALE	\$4.45	\$59.73	\$53.07	\$5.25	\$68.84	\$4.19	\$56.21	\$49.95	\$4.94	\$64.78
93	GREENS ROAD	\$4.56	\$58.06	\$56.21	\$5.47	\$78.76	\$4.26	\$54.26	\$52.53	\$5.12	\$73.62
.98	TEXAS SPECIAL BLUE	\$4.36	\$65.11	\$36.37	\$5.08	\$48.91	\$4.30	\$64.18	\$35.85	\$5.01	\$48.22
99	TEXAS SPECIAL RED	\$4.25	\$60.47	\$38.04	\$5.10	\$52.47	\$4.19	\$59.55	\$37.46	\$5.02	\$51.68
402	P & HC SHUTTLE	\$3.58	\$58.22	\$55.20			\$3.42	\$55.52	\$52.64		
403	S & K SHUTTLE	\$3.27	\$63.42	\$59.57			\$3.12	\$60.44	\$56.77		
404	NW SHUTTLE	\$2.75	\$73.88	\$66.06			\$2.64	\$70.95	\$63.44	. +	
	AVG WKD LOC & SHTL	\$4.45	\$60.89	\$56.22	\$5.27	\$72.97	\$4.15	\$56.90	\$52.54	\$4.92	\$68.19
37	EL SOL	\$4.25	\$59.22	\$55.82	\$4.36	\$64.37	\$4.00	\$55.69	\$52.49	\$4.10	\$60.53
420	POST OAK SP-GOLD	\$5.30	\$78.90	\$60.49	\$7.56	\$110.17	\$4.79	\$71.29	\$54.66	\$6.83	\$99.54
421	POST OAK SP-GREEN	\$5.30	\$78.53	\$60.54	\$7.58	\$100.42	\$4.79	\$70.96	\$54.70	\$6.85	\$90.74
	AVG WKD LOC & SHTL*	\$4.45	\$60.96	\$56.25	\$5.27	\$73.05	\$4.16	\$56.95	\$52.55	\$4.93	\$68.25
	WEEKDAY EXPRESS									· · · ·	an a
19	WILDCREST EXP	\$4.44	\$97.37	\$88.59	\$6.53	\$137.91	\$3.50	\$76.85	\$69.91	\$5.15	\$108.84
21	NORTHSHORE EXP	\$3.80	\$79.19	\$71.05	\$4.64	\$108.05	\$3.49	\$72.71	\$65.23	\$4.26	\$99.20
31	MEMORIAL EXP	\$4.18	\$91.89	\$81.88	\$5.66	\$122.50	\$3.39	\$74.64	\$66.51	\$4.60	\$99.50
32	HARWIN EXP	\$4.05	\$76.22	\$67.53	\$4.83	\$93.27	\$3.71	\$69.93	\$61.96	\$4.43	\$85.57
41	GARDEN VILLAS EXP	\$4.23	\$78.67	\$69.85	\$5.40	\$97.84	\$3.85	\$71.55	\$63.53	\$4.91	\$88.99
	AVG WKD EXPRESS	\$4.10	\$84.25	\$75.17	\$5.26	\$109.73	\$3.54	\$72.78	\$64.93	\$4.54	\$94.79

APPENDIX B (con't)

		ALL	OCATED CO	ST WITH A	LL DEPRC	PER	ALLO	CATED COS	ST WITH VE	H DEPRC P	FR
NO.	TYPE HOUTE NAME	VEHICLE MI	VEHICLE HR	PAY HR	REV MI	REV HR	VEHICLE MI	VEHICLE HR	PAYHR	REV MI	BEV HB
	WEEKDAY P&R										1.1
99	SOUTHWEST FRY P&R	\$4.79	\$106.39	\$92.08	\$6.47	\$143.39	\$3.77	\$83.81	\$72.54	\$5.10	\$112.06
201	NORTH SHEPHERD P&R	\$5.82	\$137.60	\$113.18	\$10.16	\$255.26	\$3.87	\$91.40	\$75.18	\$6 75	\$160.56
202	KUYKENDAHL P&R	\$5.00	\$125.55	\$111.40	\$7.48	\$208.97	\$3.45	\$86.66	\$76.89	\$5.16	¢105.00
206	EASTEX P&R	\$3.56	\$89.43	\$80.85	\$4.62	\$121.83	\$3.02	\$75.90	\$68.62	\$3.02	\$144.20 \$100.40
210	KALY-W. BELT P&R	\$4.19	\$103.13	\$96.52	\$4.99	\$133.33	\$3.12	\$76.77	\$71.85	\$3.72	\$103.40 \$00.05
214	NOR I HWEST P&R	\$3.17	\$94.69	\$78.14	\$4.28	\$129.26	\$2.73	\$81.75	\$67.46	\$3.60	999.20 \$111.50
228	ADDICKS P&R	\$4.44	\$147.61	\$123.86	\$6.17	\$210.08	\$3.07	\$101 91	\$85.51	¢4.06	\$111.09 \$145.04
236	MAXEY P&R	\$4.11	\$93.55	\$79.42	\$5.08	\$126.03	\$3.40	\$77 44	\$65.74	\$4.20	\$145.04
245	EDGEBROOK P&R	\$4.96	\$98.58	\$84.74	\$6.77	\$133.47	\$3.94	\$78.49	\$67.41	φ 1 .20	\$104.32
261	WEST LOOP P&R	\$3.93	\$101.54	\$88.74	\$5.22	\$145.09	\$3.21	\$83.11	\$79 69	40.39 ¢4.99	\$106.18
262	WESTWOOD P&R	\$3.71	\$91.90	\$82.51	\$5.59	\$144.93	\$3.11	\$77.10	\$60.92	\$4.20 \$4.00	\$118.76
263	ALIEF P&R	\$4,56	\$99.86	\$86.34	\$9.25	\$182.47	\$3.66	\$90.15	\$60.22	94.09 ¢7.40	\$121.58
284	SPRING-W. LAKE P&R	\$3.31	\$98.72	\$82.80	\$7.51	\$200.68	\$2.08	\$29.70	\$09.30 \$74.47	\$7.43 #0.75	\$146.45
291	NORTH SHEPHERD P&R	\$4.59	\$95.44	\$84.22	\$8.37	\$177.30	\$3.70	\$76.09	\$74.47 \$67.00	90./J	\$180.49
	AVERAGE METRO P&R	\$4.42	\$110.65	\$96.40	\$6.46	\$169.52	\$3.70	\$70.90 \$92.64	407.92 \$70.99	30.75	\$143.00
221	KATY-MASON P&R	\$4.07	\$120.16	\$103.75	\$4.86	\$168.62	40.04 \$2.02	405.04 \$66.05	\$72.00	\$4.88 \$9.50	\$128.15
221	KINGSLAND P&R	\$4.13	\$131.35	\$110.85	\$6.52	\$187.00	\$2.50	400.00 404 49	\$70.04 \$70.60	\$3.56	\$123.58
227	KATY/FRY P&R	\$3.53	\$129.34	\$115.75	\$4.81	\$169.36	\$2.57	494.43 ¢06.00	\$/9.09 \$96.10	\$4.68	\$134.44
107	FM 1960	\$4.18	\$106.35	\$89.92	\$6.37	\$150.83	\$2.00	\$90.23 \$94 64	00.12 \$60.00	\$3.58	\$126.01
204	SPRING P&R	\$4.20	\$122.65	\$114.83	\$6.59	\$178.52	\$2.00	\$01.04 \$97.60	\$09.03 \$90°00	\$4.89	\$115.78
	AVERAGE METRO P&R*	\$4.37	\$111.81	\$97.58	\$6.36	\$169.67	\$3.29	\$84.15	\$73.45	\$4.71 \$4.78	\$127.63
	*Weighted to reflect those r	outes operatin	g fewer than 6	4 davs.	X					ψ 1 .70	φ127.7V
	CONTRACT DAD		•								÷
107	EM 1060										
204					\$4.39	\$118.09				\$3.37	\$90.84
204					\$4.74	\$144.63		•		\$3 29	\$100.04
210	SETONU AKE DAD				\$3.88	\$104.46				\$3.41	\$01.80
046	DAY ADDA DAD				\$5.78	\$136.04			en fregerik L	\$4.05	405 00
240	DAT AREA PAR				\$4.08	\$103.85				\$3.60	\$01 EA
210	MISSUUHI UTI Y P&H				\$6.12	\$105.62				\$5.00	491.04 \$00.00
	IUTAL CONTRACT P&R				\$4.68	\$118.58		1. A.		\$3.69	490.66 \$93.61
					4 6808528					•••••	490.01

		ALLO	CATED CO	DST WITH	NO DEPRC	PER	PAX PER	PAX PER	PAX PER	PAX PER	PAX PER
NO.	TYPE ROUTE NAME	VEHICLE MI VE	EHICLE HR	PAY HR	REVENUE M	REVENUE HR	VEH MI	VEH HR	PAY HR	REV MI	REV HR
	WEEKDAY LOCAL		-								
1	HOSPITAL	\$4.66	\$46.95	\$44.02	\$5.61	\$54.49	3.325	33.541	31.445	4.004	38.925
2	BELLAIRE	\$3.98	\$52.34	\$47.95	\$4.69	\$65.69	2.850	37.508	34.364	3.359	47.073
. 3	LANGLEY LTD	\$3.91	\$49.29	\$48.75	\$4.37	\$59.45	2.559	32.277	31.927	2.860	38.929
4	BEECHNUT	\$3.79	\$52.90	\$48.24	\$4.43	\$62.70	2.099	29.315	26.728	2.453	34.743
5	KASHMERE GARDENS	\$4.72	\$47.41	\$44.99	\$5.27	\$59.85	3.277	32.949	31.265	3.664	41.591
6	JENSEN	\$4.15	\$48.46	\$48.42	\$4.55	\$62.13	2.444	28.519	28.496	2.678	36.564
8	NORTH/SOUTH MAIN	\$3.67	\$53.21	\$48.49	\$4.28	\$61.50	2.339	33.910	30.903	2.728	39.195
9	HIRSCH/MED CENTER	\$3.86	\$51.51	\$48.42	\$4.45	\$61.66	2.346	31.324	29.443	2.704	37.496
11	NANCE	\$4.77	\$46.26	\$43.03	\$5.09	\$51.39	3.204	31.094	28.929	3.420	34.543
12	ALLEN HOUSE	\$3.97	\$69.63	\$50.66	\$7.09	\$95.68	0.000	0.000	0.000	0.000	0.000
14	HIRAM CLARKE LTD	\$3.76	\$52.26	\$48.69	\$4.48	\$62.64	2.352	32.653	30.421	2.802	39.137
15	FULTON-WEST GRAY	\$4.10	\$50.41	\$46.10	\$4.82	\$55.85	3.194	39.245	35.892	3.752	43.484
16	MEMORIAL	\$3.12	\$60.07	\$56.96	\$3.76	\$72.64	1.279	24.599	23.324	1.538	29.747
17	TANGLEWOOD	\$3.23	\$59.85	\$55.50	\$3.82	\$70.93	1.605	29.786	27.619	1.901	35.297
20	CANAL	\$4.47	\$50.21	\$45.09	\$4.64	\$54.98	5.118	57.450	51.583	5.310	62.898
22	ALEMEDA	\$3.52	\$54.24	\$50.64	\$3.98	\$65.64	1.737	26.772	24.995	1.964	32.395
24	KEMPWOOD	\$3.49	\$56.85	\$52.06	\$4.19	\$66.94	1.942	31.672	29.004	2.333	37.294
25	RICHMOND-NORTHLINE	\$4.16	\$50.54	\$46.40	\$4.67	\$57.97	3.310	40.200	36.908	3.717	46.111
26	OUTERLOOP XTOWN	\$3.80	\$51.78	\$49.06	\$3.93	\$58.64	2.324	31.666	30.003	2.406	35.864
28	SOUTHMORE	\$4.08	\$48.77	\$46.84	\$4.72	\$60.71	2.785	33.264	31.948	3.220	41.412
30	CULLEN-CLINTON	\$3.65	\$53.90	\$49.74	\$4.46	\$63.15	1.958	28.937	26.699	2.392	33.898
33	POST OAK XTOWN	\$3.73	\$52.13	\$48.63	\$4.11	\$59.47	1.267	17.691	16.504	1.395	20.182
34	MONTROSE XTOWN	\$4.29	\$48.05	\$46.30	\$4.93	\$53.67	1.711	19.148	18.450	1.963	21.388
35	KIRBY-LEELAND	\$3.83	\$53.01	\$49.20	\$4.40	\$62.88	1.388	19.206	17.826	1.595	22.785
36	LAWNDALE	\$4.20	\$50.35	\$46.49	\$4.64	\$60.22	3.140	37.603	34.720	3.464	44.974
39	LONG POINT	\$3.32	\$58.28	\$51.88	\$3.83	\$69.23	2.069	36.275	32.291	2.383	43.092
40	TELEPHONE-PECORE	\$3.66	\$53.91	\$49.29	\$4.29	\$61.69	2.477	36.505	33.376	2.906	41.774
42	HOLMAN XTOWN	\$4.35	\$49.62	\$45.27	\$4.66	\$56.15	4.050	46.187	42.137	4.338	52.271
44	ACRES HOMES LTD	\$3.29	\$56.51	\$52.13	\$3.62	\$64.71	1.376	23.642	21.810	1.515	27.075
46	GESSNER XTOWN	\$3.68	\$51.99	\$49.74	\$4.17	\$62.00	2.067	29.201	27.940	2.344	34.828
48	NAVIGATION-WASHGTN	\$3.73	\$52.09	\$48.32	\$4.15	\$60.19	2.254	31.464	29.184	2.507	36.353
50	HEIGHTS-HARRISBURG	\$3.72	\$53.34	\$49.19	\$4.25	\$62.76	3.021	43.315	39.943	3.453	50.965
52	SCOTT	\$4.05	\$51.52	\$46.71	\$5.11	\$62.51	2.650	33.718	30.570	3.341	40.905
53	WESTHEIMER LTD	\$3.41	\$59.59	\$51.37	\$4.27	\$70.09	2.105	36.748	31.679	2.636	43.227
56	AIRLINE LTD	\$3.31	\$56.53	\$52.33	\$3.86	\$66.16	1.334	22.787	21.095	1.557	26.668
58		\$3 47	\$56 13	\$50.91	\$4.09	\$66.34	1 353	21.876	19 843	1.595	25 856

APPENDIX B (con't) METRO 1ST QUARTER FY 1986 PERFORMANCE MEASURES

APPENDIX B (con't)

		ALL	OCATED C	OST WITH N	IO DEPRC F	PER	PAX PER	PAX PER	PAX PER	PAX PER	PAX PER	
NO.	TYPE ROUTE NAME WEEKDAY LOCAL	VEH MI	VEHHR	PAYHR	REV MI	REVHR	VEH MI	VEH HR	PAY HR	REV MI	REV HR	۰,
60	HARDY-SO.MACGREGOF	\$4.14	\$49.67	\$47.60	\$4.66	\$59.31	3 047	36 574	35.048	3 429	43 677	
63	SAN FELIPE LTD	\$3.82	\$53.49	\$49.04	\$4.75	\$71.30	1.740	24,353	22 328	2 165	32 462	
64	GULFTON LTD	\$3.41	\$57.05	\$52.70	\$4.02	\$66.30	1:531	25 627	23.673	1.806	29.778	
65	BISSONET	\$3.82	\$52.14	\$48,19	\$4.74	\$63.36	2 437	33,232	30,714	3.021	40,386	
68	BRAYS BAYOU XTOWN	\$4.06	\$50.86	\$46.49	\$4,71	\$58.71	2,664	33,897	30.524	3.094	38,550	
70	UNIVERSITY	\$4.03	\$51.35	\$48.49	\$4.95	\$64.13	1.709	21,789	20.575	2.099	27,210	
73	BELLFORT XTOWN	\$3.66	\$53.72	\$48.98	\$4.00	\$64.48	3.170	46.589	42.473	3.471	55.919	
75	TAFT	\$4.44	\$48.67	\$45.14	\$5.12	\$58.13	2.876	31,514	29.228	3.315	37.645	
77	LIBERTY-MLK LTD	\$3.64	\$53.63	\$49.79	\$4.51	\$64.68	2.915	42.894	39.826	3.607	51,730	
78	ALABAMA-IRVINGTON	\$3.96	\$52,30	\$47.01	\$4.53	\$57.33	3.104	40.991	36.844	3.553	44.935	
79	WEST LITTLE YORK LTD	\$3.56	\$50.07	\$53.63	\$3.98	\$72.44	1.549	21.789	23.342	1.731	31.525	ć
80	DOWLING-LYONS	\$4.61	\$47.08	\$44.06	\$5.06	\$52.82	3.693	37.735	35.314	4.053	42.339	
82	WESTHEIMER	\$4.27	\$47.73	\$46.30	\$4.72	\$56.03	3.604	40.281	39.077	3.987	47.287	
84	FOUNTAIN VIEW	\$3.11	\$59,35	\$56.31	\$3.48	\$67.73	1.131	21.579	20.472	1.263	24.623	
85	ANTOINE LTD	\$3.13	\$56.70	\$57.83	\$3.60	\$74.28	1.357	24.591	25.079	1.560	32.213	
88	BROADWAY LTD	\$4.09	\$60.42	\$52.04	\$5.77	\$90.03	1.674	24.723	21.295	2.359	36.840	
89	YALE	\$3.90	\$52.33	\$46.49	\$4.60	\$60.30	1.752	23.522	20.899	2.068	27.106	
93	GREENS ROAD	\$3.93	\$49.96	\$48.37	\$4.71	\$67.78	0.884	11.252	10.894	1.061	15.266	
98	TEXAS SPECIAL BLUE	\$4.30	\$64.18	\$35.85	\$5.01	\$48.22	3.127	46.685	26.079	3.644	35.072	
99	TEXAS SPECIAL RED	\$4.19	\$59.55	\$37.46	\$5.02	\$51.68	3.543	50.413	31.714	4.250	43.745	
402	P & HC SHUTTLE	\$3.19	\$51.78	\$49.09		1 - C.			11 A.			
403	S & K SHUTTLE	\$2.90	\$56.33	\$52.91								
404	NW SHUTTLE	\$2.49	\$67.05	\$59.95				2				
	AVG WKD LOC & SHTL	\$3.82	\$52.30	\$48.29	\$4,53	\$62.68	2.408	32.976	30.451	2.854	39.522	
37	ELSOL	\$3.72	\$51.79	\$48.82	\$3.82	\$56.30	0.997	13.874	13.078	1.022	15.082	
420	POST OAK SP-GOLD	\$4.12	\$61.35	\$47.03	\$5.88	\$85.66	0.118	1.753	1.344	0.168	2.447	
421	POST OAK SP-GREEN	\$4.12	\$61.07	\$47.08	\$5.89	\$78.10	0.051	0.757	0.583	0.073	0.968	
	AVG WKD LOC & SHTL*	\$3.82	\$52.34	\$48.2 9	\$4,53	\$62.72	2.340	32.049	29,594	2.772	38.400	
	WEEKDAY EXPRESS											
19	WILDCREST EXP	\$3.11	\$68.21	\$62.05	\$4.57	\$96.60	0.819	17.969	16.347	1.205	25.449	
21	NORTHSHORE EXP	\$3.10	\$64.54	\$57,90	\$3.78	\$88.06	1.433	29.866	26.794	1.749	40.748	
31	MEMORIAL EXP	\$3.07	\$67.45	\$60.10	\$4.15	\$89.92	1.160	25.537	22.754	1.573	34.041	
32	HARWINEXP	\$3.29	\$62.02	\$54.95	\$3.93	\$75.89	1.050	19.787	17.533	1.253	24.213	
41	GARDEN VILLAS EXP	\$3.36	\$62.41	\$55.41	\$4.28	\$77.61	1.082	20.101	17.846	1.379	24.998	
	AVG WKD EXPRESS	\$3.16	\$64.93	\$57.93	\$4.05	\$84.57	1.134	23.305	20.793	1.454	30.354	

	APPENDIX B (con't)					· · · · ·				NAV DED	
		ALI	OCATED CO	<u>DST WITH N</u>	O DEPRC P	PER	PAX PER	PAX PER P	AX PERF	AX PER	PAX PER
NO.	TYPE ROUTE NAME	VEHICLE MI	VEHICLE HR	PAY HOURS	REV MI	REVHR	VEH MI	VEH HR 2	AT HOUP	KEV MI	REV IR
	WEEKDAY P&R					*• • • • •	1.005	00 107	04 949	4 744	27 0.08
59	SOUTHWEST FRY P&R	\$3.17	\$70.44	\$60.96	\$4.28	\$94.93	1.265	28.127	24.343	1./11	37.900
201	NORTH SHEPHERD P&R	\$3.28	\$77.38	\$63.65	\$5.72	\$143.55	1.095	25.861	21.273	1.910	47.970
202	KUYKENDAHL P&R	\$2.98	\$74.91	\$66.46	\$4.46	\$124.68	0.936	23.484	20.837	0.756	10 047
206	EASTEX P&R	\$2.71	\$68.16	\$61.62	\$3.52	\$92.85	0.582	14.042	13.230	0.750	19.94/
210	KATY-W. BELT P&R	\$2.80	\$68.91	\$64.50	\$3.34	\$89.10	0.577	14.198	13.289	0.687	10.300
214	NORTHWEST P&R	\$2.49	\$74.37	\$61.37	\$3.36	\$101.51	0.673	20.144	16.623	0.910	27.497
228	ADDICKS P&R	\$2.65	\$88.05	\$73.88	\$3.68	\$125.31	0.640	21.262	17.840	0.889	30.259
236	MAXEY P&R	\$2.99	\$68.08	\$57.80	\$3.70	\$91.72	0.599	13.621	11.564	0.739	18.350
245	EDGEBROOK P&R	\$3.35	\$66.55	\$57.21	\$4.57	\$90.11	1.291	25.663	22.061	1.763	34.749
261	WEST LOOP P&R	\$2.80	\$72.31	\$63.20	\$3.72	\$103.34	0.967	25.003	21.852	1.286	35./29
262	WESTWOOD P&R	\$2.77	\$68.56	\$61.55	\$4.17	\$108.12	0.808	20.022	17.977	1.219	31.575
263	ALIEF P&R	\$3.13	\$68.55	\$59.28	\$6.35	\$125.27	0.805	17.633	15.247	1.634	32.220
284	SPRING-W. LAKE P&R	\$2.53	\$75.44	\$63.27	\$5.74	\$153.35	0.231	6.900	5.787	0.525	14.026
291	NORTH SHEPHERD P&R	\$3.18	\$66.16	\$58.38	\$5.80	\$122.91	0.761	15.836	13.973	1.389	29.418
	AVERAGE METRO P&R	\$2.90	\$72.73	\$63.37	\$4.24	\$111.44	0.831	20.815	18.136	1.215	31.890
221	KATY-MASON P&R	\$2.65	\$78.43	\$67.71	\$3.17	\$110.05	0.515	15.215	13.136	0.616	21.350
221	KINGSLAND P&R	\$2.62	\$83.29	\$70.29	\$4.13	\$118.58	0.437	13.907	11.736	0.690	19.799
227	KATY/FRY P&R	\$2.36	\$86.28	\$77.22	\$3.21	\$112.98	0.239	8.740	7.821	0.325	11.444
107	FM 1960	\$2.80	\$71.22	\$60.22	\$4.27	\$101.00	0.525	13.379	11.312	0.802	18.975
204	SPRING P&R	\$2.64	\$77.13	\$72.21	\$4.15	\$112.27	0.709	20.721	19.400	1.114	30.160
	AVERAGE METRO P&R*	\$2.87	\$73.33	\$64.00	\$4.17	\$111.27	0.790	20.079	17.510	1.152	30.544
	*Weighted to reflect those	routes operat	ing fewer than	64 davs.							
	Weighted to remote about							•			
	CONTRACT P&R										
107	FM 1960				\$0.00	\$0.00				0.667	17.947
204	SPRING P&R		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		\$0.00	\$0.00				1.022	31.192
205	KINGWOOD P&R				\$0.00	\$0.00				0.854	22.991
212	SETON LAKE P&R				\$0.00	\$0.00				1.285	30.224
246	BAY AREA P&R				\$0.00	\$0.00	-			0.951	24.196
270	MISSOURI CITY P&R				\$0.00	\$0.00				1.204	20.759
	TOTAL CONTRACT P&F	1								1.019	24.549

	CONTRACT P&R
107	FM 1960
204	SPRING P&R
205	KINGWOOD P&R
212	SETON LAKE P&R
246	BAY AREA P&R
270	MISSOURI CITY P&R
	TOTAL CONTRACT P&R

45

		COST	PER PASSE	NGER	COST PER	REVENUE	PASSENGE	R		REV	ENUE	PER		
NO.	ROUTE NAME	ALL DEPRC	VEH DEPRC N	IO DEPRC	ALL DEPRC	VEH DEPRC	NO DEPRC	VEH MI	VEH HR	PAYHR	REV MI	REV HR	PAX	REV PAX
	WEEKDAY LOCAL													· · · · ·
1	HOSPITAL	\$1.63	\$1.52	\$1.40	\$2.68	\$2.50	\$2.30	\$0.97	\$9.74	\$9.13	\$1.16	\$11.30	\$0.290	\$0.478
2	BELLAIRE	\$1.66	\$1.54	\$1.40	\$2.31	\$2.14	\$1.94	\$0.98	\$12.91	\$11.83	\$1.16	\$16.20	\$0.344	\$0.478
3	LANGLEY LTD	\$1.77	\$1.65	\$1.53	\$2.54	\$2.38	\$2.20	\$0.82	\$10.34	\$10.23	\$0.92	\$12.47	\$0.320	\$0.461
4	BEECHNUT	\$2.09	\$1.96	\$1.80	\$2.85	\$2.67	\$2.46	\$0.72	\$10.06	\$9.17	\$0.84	\$11.92	\$0.343	\$0.467
5	KASHMERE GARDENS	\$1.73	\$1.60	\$1.44	\$2.43	\$2.24	\$2.02	\$1.03	\$10.37	\$9.84	\$1.15	\$13.08	\$0.315	\$0.442
6	JENSEN	\$2.03	\$1.88	\$1.70	\$3.02	\$2.80	\$2.53	\$0.80	\$9.36	\$9.35	\$0.88	\$12.00	\$0.328	\$0.489
8	NORTH/SOUTH MAIN	\$1.79	\$1.68	\$1.57	\$2.50	\$2.36	\$2.20	\$0.79	\$11.52	\$10.50	\$0.93	\$13.31	\$0.340	\$0.476
9	HIRSCH/MED CENTER	\$1.92	\$1.79	\$1.64	\$2.70	\$2.52	\$2.32	\$0.75	\$10.00	\$9.40	\$0.86	\$11.97	\$0.319	\$0.450
-11	NANCE	\$1.70	\$1.60	\$1.49	\$2.44	\$2.29	\$2.13	\$1.00	\$9.73	\$9.05	\$1.07	\$10.81	\$0.313	\$0.448
12	ALLEN HOUSE							\$0.12	\$2.06	\$1.50	\$0.21	\$2.84		
14	HIRAM CLARKE LTD	\$1.85	\$1.73	\$1.60	\$2.64	\$2.47	\$2.28	\$0.77	\$10.73	\$9.99	\$0.92	\$12.86	\$0.329	\$0.469
15	FULTON-WEST GRAY	\$1.48	\$1.39	\$1.28	\$2.08	\$1.95	\$1.80	\$1.05	\$12.93	\$11.83	\$1.24	\$14.33	\$0.330	\$0.463
16	MEMORIAL	\$2.90	\$2.69	\$2.44	\$4.24	\$3.94	\$3.57	\$0.40	\$7.66	\$7.26	\$0.48	\$9.26	\$0.311	\$0.455
17	TANGLEWOOD	\$2.41	\$2.23	\$2.01	\$3.42	\$3.16	\$2.85	\$0.51	\$9.47	\$8.78	\$0.60	\$11.23	\$0.318	\$0.451
20	CANAL	\$1.05	\$0.97	\$0.87	\$1.45	\$1.34	\$1.21	\$1.77	\$19.83	\$17.80	\$1.83	\$21.71	\$0.345	\$0.478
. 22	ALEMEDA	\$2.33	\$2.19	\$2.03	\$3.41	\$3.20	\$2.96	\$0.56	\$8.59	\$8.02	\$0.63	\$10.39	\$0.321	\$0.469
24	KEMPWOOD	\$2.14	\$1.99	\$1.79	\$3.08	\$2.86	\$2.58	\$0.67	\$10.99	\$10.06	\$0.81	\$12.94	\$0.347	\$0.499
25	RICHMOND-NORTHLINE	\$1.48	\$1.38	\$1.26	\$2.02	\$1.88	\$1.72	\$1.16	\$14.13	\$12.98	\$1.31	\$16.21	\$0.352	\$0.480
26	OUTERLOOP XTOWN	\$1.91	\$1.78	\$1.64	\$2.83	\$2.64	\$2.42	\$0.68	\$9.28	\$8.79	\$0.71	\$10.51	\$0.293	\$0.434
28	SOUTHMORE	\$1.68	\$1.58	\$1.47	\$2.40	\$2.25	\$2.09	\$0.83	\$9.93	\$9.54	\$0.96	\$12.36	\$0.299	\$0.426
30	CULLEN-CLINTON	\$2.17	\$2.03	\$1.86	\$3.12	\$2.91	\$2.67	\$0.63	\$9.36	\$8.63	\$0.77	\$10.96	\$0.323	\$0.464
33	POST OAK XTOWN	\$3.38	\$3.17	\$2.95	\$5.38	\$5.06	\$4.70	\$0.37	\$5,23	\$4.88	\$0.41	\$5.97	\$0.296	\$0.471
34	MONTROSE XTOWN	\$2.93	\$2.74	\$2.51	\$4.00	\$3.73	\$3.42	\$0.57	\$6.35	\$6.12	\$0.65	\$7.09	\$0.332	\$0.452
35	KIRBY-LEELAND	\$3.29	\$3.05	\$2.76	\$4.54	\$4.21	\$3,81	\$0.46	\$6.32	\$5.87	\$0.53	\$7.50	\$0.329	\$0.455
36	LAWNDALE	\$1.59	\$1.47	\$1.34	\$2.14	\$1.98	\$1.80	\$1.10	\$13.22	\$12.21	\$1.22	\$15.81	\$0.352	\$0.473
39	LONG POINT	\$1.85	\$1.74	\$1.61	\$2.60	\$2.44	\$2.25	\$0.75	\$13.12	\$11.68	\$0.86	\$15.58	\$0.362	\$0.507
40	TELEPHONE-PECORE	\$1.71	\$1.60	\$1.48	\$2.43	\$2.27	\$2.10	\$0.81	\$11.87	\$10.85	\$0.95	\$13.58	\$0.325	\$0.461
42	HOLMAN XTOWN	\$1.26	\$1.18	\$1.07	\$2.06	\$1.92	\$1.76	\$1.09	\$12.37	\$11.29	\$1.16	\$14.00	\$0.268	\$0.438
44	ACRES HOMES LTD	\$2.71	\$2.56	\$2.39	\$4.04	\$3.82	\$3.57	\$0.43	\$7.46	\$6.88	\$0.48	\$8,54	\$0.315	\$0.471
46	GESSNER XTOWN	\$2.05	\$1.93	\$1.78	\$3.18	\$2.98	\$2.75	\$0.66	\$9.31	\$8.90	\$0.75	\$11.10	\$0.319	\$0.493
48	NAVIGATION-WASHGTN	\$1.89	\$1.78	\$1.66	\$2.81	\$2.64	\$2.46	\$0.72	\$10.12	\$9.38	\$0.81	\$11.69	\$0.322	\$0.478
50	HEIGHTS-HARRISBURG	\$1.44	\$1.34	\$1.23	\$1.96	\$1.83	\$1.68	\$1.05	\$15.00	\$13.84	\$1.20	\$17.65	\$0.346	\$0.472
52	SCOTT	\$1.79	\$1.67	\$1.53	\$2.51	\$2.34	\$2.14	\$0.82	\$10.44	\$9.46	\$1.03	\$12.66	\$0.310	\$0.434
53	WESTHEIMER LTD	\$1.92	\$1.78	\$1.62	\$2.58	\$2.39	\$2.17	\$0.75	\$13.17	\$11.35	\$0.94	\$15.49	\$0.358	\$0.480
-56	AIRLINE LTD	\$2.83	\$2.67	\$2.48	\$3.96	\$3.73	\$3.47	\$0.46	\$7.94	\$7.35	\$0.54	\$9.29	\$0.348	\$0.487
58	HAMMERLY	\$2.98	\$2.79	\$2.57	\$4.32	\$4.04	\$3.72	\$0.45	\$7.35	\$6.67	\$0.54	\$8.69	\$0.336	\$0.487

APPENDIX B (con't) METRO 1ST QUARTER FY 1986 PERFORMANCE MEASURES

APPENDIX B (con't)

		COST	PER PASSI	ENGER	COST PER	REVENUE	PASSENGER	3		REV	ENUE	PER		
NO.	ROUTE NAME	ALL DEPRC	VEH DEPRC	NO DEPRC	ALL DEPRO	VEH DEPRO	NO DEPRC	VEH MI	VEH HR	PAY HR	REV MI	REV HR	PAX	REV PAX
	WEEKDAY LOCAL													
60	HARDY-SO.MACGREGOF	\$1.61	\$1.50	\$1.36	\$2.34	\$2.17	\$1.97	\$0.92	\$11.07	\$10.61	\$1.04	\$13.22	\$0.303	\$0.438
63	SAN FELIPE LTD	\$2.62	\$2.42	\$2.20	\$3.96	\$3.67	\$3.32	\$0.52	\$7.35	\$6.74	\$0.65	\$9.79	\$0.302	\$0.457
64	GULFTON LTD	\$2.64	\$2.45	\$2.23	\$3.34	\$3.10	\$2.82	\$0.54	\$9.11	\$8.41	\$0.64	\$10.58	\$0.355	\$0.450
65	BISSONET	\$1.82	\$1.70	\$1.57	\$2,55	\$2.38	\$2.20	\$0.83	\$11.32	\$10.47	\$1.03	\$13.76	\$0.341	\$0.477
68	BRAYS BAYOU XTOWN	\$1.77	\$1.65	\$1.52	\$2.33	\$2.17	\$2.00	\$0.91	\$11.40	\$10.42	\$1.06	\$13.16	\$0.341	\$0.449
70	UNIVERSITY	\$2.84	\$2.62	\$2.36	\$4.53	\$4.19	\$3.77	\$0.49	\$6.26	\$5.91	\$0.60	\$7.82	\$0.287	\$0.459
73	BELLFORT XTOWN	\$1.33	\$1.24	\$1.15	\$2.18	\$2.05	\$1.90	\$0.87	\$12.85	\$11.71	\$0.96	\$15.42	\$0.276	\$0.454
75	TAFT	\$1.82	\$1.69	\$1.54	\$2.53	\$2.36	\$2.15	\$0.93	\$10.18	\$9.44	\$1.07	\$12.16	\$0.323	\$0.450
77	LIBERTY-MLK LTD	\$1.45	\$1.36	\$1.25	\$2.02	\$1.89	\$1.74	\$0.92	\$13.55	\$12.58	\$1.14	\$16.34	\$0.316	\$0.439
78	ALABAMA-IRVINGTON	\$1.49	\$1.39	\$1.28	\$1.97	\$1.84	\$1.68	\$1.06	\$14.00	\$12.58	\$1.21	\$15.35	\$0.342	\$0.451
79	WEST LITTLE YORK LTD	\$2.69	\$2.51	\$2.30	\$4.01	\$3.74	\$3.43	\$0.49	\$6.88	\$7.37	\$0.55	\$9.95	\$0.316	\$0.471
80	DOWLING-LYONS	\$1.44	\$1.35	\$1.25	\$2.15	\$2.01	\$1.85	\$1.16	\$11.85	\$11.09	\$1.27	\$13.30	\$0.314	\$0.467
82	WESTHEIMER	\$1.38	\$1.29	\$1,18	\$1.90	\$1.78	\$1.64	\$1.26	\$14.10	\$13.68	\$1.40	\$16.56	\$0.350	\$0.485
84	FOUNTAIN VIEW	\$3.21	\$3.00	\$2.75	\$3.90	\$3.64	\$3.34	\$0.40	\$7.69	\$7.29	\$0.45	\$8.77	\$0.356	\$0.433
85	ANTOINE LTD	\$2.71	\$2.52	\$2.31	\$3.41	\$3.18	\$2.91	\$0.51	\$9.27	\$9.45	\$0.59	\$12.14	\$0.377	\$0.475
88	BROADWAY LTD	\$3.36	\$2.97	\$2.44	\$3.92	\$3.46	\$2.85	\$0.67	\$9.86	\$8.50	\$0.94	\$14.70	\$0.399	\$0.465
89	YALE	\$2.54	\$2.39	\$2.22	\$3.47	\$3.26	\$3.04	\$0.59	\$7.91	\$7.03	\$0.70	\$9.12	\$0.336	\$0.459
93	GREENS ROAD	\$5.16	\$4.82	\$4.44	\$6.77	\$6.32	\$5.82	\$0.34	\$4.33	\$4.20	\$0.41	\$5.88	\$0.385	\$0.505
98	TEXAS SPECIAL BLUE	\$1.39	\$1.37	\$1.37	\$1.62	\$1.60	\$1.60	\$1.29	\$19.31	\$10.79	\$1.51	\$14.51	\$0.414	\$0.481
99	TEXAS SPECIAL RED	\$1.20	\$1.18	\$1.18	\$1.43	\$1.41	\$1.41	\$1.44	\$20.42	\$12.85	\$1.72	\$17.72	\$0.405	\$0.483
402	P & HC SHUTTLE	•				· · ·								
403	S & K SHUTTLE													
404	NWSHUTTLE													
	AVG WKD LOC & SHTL	\$1.85	\$1.73	\$1.59	\$2.60	\$2.43	\$2.24	\$0.79	\$10.85	\$10.02	\$0.94	\$13.01	\$0.329	\$0.464
37	EL SOL	\$4.27	\$4.01	\$3.73	\$5.59	\$5.26	\$4.89	\$0.36	\$5.00	\$4.72	\$0.37	\$5.44	\$0.361	\$0.473
420	POST OAK SP-GOLD	\$45.02	\$40.67	\$35.00	\$53.77	\$48.58	\$41.81	\$0.02	\$0.34	\$0.26	\$0.03	\$0.47	\$0.193	\$0.231
421	POST OAK SP-GREEN	\$103.77	\$93.77	\$80.70	\$161.43	\$145.86	\$125.54	\$0.01	\$0.11	\$0.09	\$0.01	\$0.14	\$0.148	\$0.230
	AVG WKD LOC & SHTL*	\$1.86	\$1.74	\$1.60	\$2.63	\$2.45	\$2.26	\$0.79	\$10.77	\$9.94	\$0.93	\$12.91	\$0.329	\$0.464
										· ·				
	WEEKDAY EXPRESS													
19	WILDCREST EXP	\$5.42	\$4.28	\$3.80	\$6.22	\$4.91	\$4.36	\$0.49	\$10.82	\$9.85	\$0.73	\$15.33	\$0.602	\$0.691
21	NORTHSHORE EXP	\$2.65	\$2.43	\$2.16	\$3.40	\$3.12	\$2.77	\$0.77	\$16.10	\$14.45	\$0.94	\$21.97	\$0.539	\$0.691
31	MEMORIAL EXP	\$3.60	\$2.92	\$2.64	\$4.89	\$3.97	\$3.59	\$0.61	\$13.36	\$11.91	\$0.82	\$17.81	\$0.523	\$0.711
32	HARWIN EXP	\$3.85	\$3.53	\$3.13	\$4.58	\$4.20	\$3.73	\$0.62	\$11.59	\$10.27	\$0.73	\$14.18	\$0.586	\$0.696
41	GARDEN VILLAS EXP	\$3.91	\$3.56	\$3.10	\$4.68	\$4.26	\$3.72	\$0.59	\$10.88	\$9.66	\$0.75	\$13.52	\$0.541	\$0.647
	AVG WKD EXPRESS	\$3.62	\$3.12	\$2.79	\$4.57	\$3.95	\$3.52	\$0.63	\$12.87	\$11.48	\$0.80	\$16.76	\$0.552	\$0.698

	APPENDIX B (CONT)									·		An extension		
		COST	PER PASS	ENGER	COST PER	REVENUE	PASSENGER	1	···	REV	/ENUE	PER	an ya kating yang	Constant and a second second
NO.	ROUTE NAME	ALL DEPRC	VEH DEPRC	NO DEPRC	ALL DEPRO	VEH DEPRC	NO DEPRC	VEH MI	VEH HR	PAY HR	REV MI	REV HR	PAX	REV PAX
	WEEKDAY P&R										2 A			
59	SOUTHWEST FRY P&R	\$3.78	\$2.98	\$2.50	\$3.97	\$3.13	\$2.63	\$1.31	\$29.13	\$25.21	\$1.77	\$39.25	\$1.036	\$1.087
201	NORTH SHEPHERD P&R	\$5.32	\$3.53	\$2.99	\$5.47	\$3.63	\$3.08	\$1.20	\$28.29	\$23.27	\$2.09	\$52.49	\$1.094	\$1.124
202	KUYKENDAHL P&R	\$5.35	\$3.69	\$3.19	\$5.50	\$3.80	\$3.28	\$1.73	\$43.50	\$38.59	\$2.59	\$72.40	\$1.852	\$1.906
206	EASTEX P&R	\$6.11	\$5.18	\$4.65	\$6.59	\$5.59	\$5.02	\$0.71	\$17.85	\$16.14	\$0.92	\$24.31	\$1.219	\$1.315
210	KATY-W. BELT P&R	\$7.26	\$5.41	\$4.85	\$7.45	\$5.55	\$4.98	\$0.74	\$18.19	\$17.02	\$0.88	\$23.52	\$1.281	\$1.314
214	NORTHWEST P&R	\$4.70	\$4.06	\$3.69	\$4.85	\$4.19	\$3.81	\$1.03	\$30.77	\$25.39	\$1.39	\$42.00	\$1.527	\$1.577
228	ADDICKS P&R	\$6.94	\$4.79	\$4.14	\$7.08	\$4.89	\$4.23	\$0.99	\$32.92	\$27.62	\$1.38	\$46.85	\$1.548	\$1.580
236	MAXEY P&R	\$6.87	\$5.68	\$5.00	\$8.00	\$6.62	\$5.82	\$0.65	\$14.89	\$12.64	\$0.81	\$20.06	\$1.093	\$1.273
245	EDGEBROOK P&R	\$3.84	\$3.06	\$2.59	\$3.98	\$3.17	\$2.69	\$1.61	\$31.93	\$27.45	\$2.19	\$43.24	\$1.244	\$1.290
261	WEST LOOP P&R	\$4.06	\$3.32	\$2.89	\$4.18	\$3.42	\$2.98	\$0.88	\$22.77	\$19.90	\$1.17	\$32.53	\$0.910	\$0.937
262	WESTWOOD P&R	\$4.59	\$3.85	\$3.42	\$4.74	\$3.98	\$3.54	\$1.01	\$25.03	\$22.47	\$1.52	\$39.47	\$1.250	\$1.291
263	ALIEF P&R	\$5.66	\$4.55	\$3.89	\$5.84	\$4.69	\$4.01	\$1.02	\$22.44	\$19.40	\$2.08	\$41.01	\$1.273	\$1.312
284	SPRING-W. LAKE P&R	\$14.31	\$12.87	\$10.93	\$14.55	\$13.09	\$11.12	\$0.44	\$13.10	\$10.99	\$1.00	\$26.63	\$1.898	\$1.931
291	NORTH SHEPHERD P&R	\$6.03	\$4.86	\$4.18	\$6.35	\$5.12	\$4.40	\$1.00	\$20.82	\$18.37	\$1.83	\$38.68	\$1.315	\$1.385
	AVERAGE METRO P&R	\$5.32	\$4.02	\$3.49	\$5.51	\$4.16	\$3.62	\$1.17	\$29.39	\$25.60	\$1.71	\$45.02	\$1.412	\$1.462
221	KATY-MASON P&R	\$7.90	\$5.79	\$5.15	\$8.23	\$6.03	\$5.37	\$1.06	\$31.40	\$27.11	\$1.27	\$44.07	\$2.064	\$2.152
221	KINGSLAND P&R	\$9.45	\$6.79	\$5.99	\$9.76	\$7.01	\$6.19	\$0.90	\$28.58	\$24.12	\$1.42	\$40.69	\$2.055	\$2.123
227	KATY/FRY P&R	\$14.80	\$11.01	\$9.87	\$15.47	\$11.51	\$10.32	\$0.49	\$17.80	\$15.93	\$0.66	\$23.31	\$2.037	\$2.130
107	FM 1960	\$7.95	\$6.10	\$5.32	\$8.25	\$6.34	\$5.53	\$0.98	\$25.03	\$21.16	\$1.50	\$35.49	\$1.870	\$1.942
204	SPRING P&R	\$5.92	\$4.23	\$3.72	\$6.07	\$4.34	\$3.81	\$1.31	\$38.34	\$35.90	\$2.06	\$55.81	\$1.850	\$1.896
-	AVERAGE METRO P&R*	\$5.52	\$4.15	\$3.62	\$5.71	\$5.71	\$3.75	\$1.16	\$29.68	\$25.91	\$1.69	\$45.04	\$1.464	\$1.516
	*Weighted to reflect those	routes oper	ating fewer th	an 64 days.		۰ مربع				s . Na		e e Alexandre Alexandre		
	CONTRACT P&R					1								
107	FM 1960				\$6.81	\$5.24	\$0.00			a di se	\$1.24	\$33.30	\$1.856	\$1.920
204	SPRING P&R				\$4.80	\$3.33	\$0.00	14			\$1.90	\$57.87	\$1.855	\$1,920
205	KINGWOOD P&R				\$4.70	\$4.13	\$0.00				\$1.79	\$48.19	\$2.096	\$2.169
212	SETON LAKE P&R				\$4.66	\$3.26	\$0.00				\$2.00	\$47.08	\$1.558	\$1.612
246	BAY AREA P&R				\$4.44	\$3.92	\$0.00				\$1.77	\$44.90	\$1.856	\$1.920
270	MISSOURI CITY P&R				\$5.27	\$4.53	\$0.00				\$1.56	\$26.96	\$1.299	\$1.344
	TOTAL CONTRACT P&R				\$4.82	\$3.81	\$0.00		÷ `		\$1.79	\$45.22	\$1.777	\$1.839

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ADDENDIV D .

APPENDIX C FIRST QUARTER FY 86 METRO PEAK AND OFF-PEAK LINE COST RECOVERY RATIOS (REVENUE ADJUSTED FOR PASS DISCOUNTS)

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					19 A.		•		
	AVG	AVG				ONLY VE	HICLE DEPR	ECIATION	INCLUDED
	DAILY	DAILY	ADJUSTED	ADJUSTED	ADJUSTED	ALLOCATED	ALLOCATED	PEAK	OFF-PEAK
	PEAK	OFF-PEAK	TOTAL	PEAK	OFF-PEAK	PEAK	OFF-PEAK	REV/COST	REV/COST
NO. ROUTE NAME	PAX	PAX	REVENUE	REVENUE	REVENUE	COST	COST	RATIO	RATIO
WEEKDAY LOCAL	1.1							fa hara	
1 HOSPITAL	1,337	1,699	\$56,411	\$23,101	\$33,310	\$121,646	\$174,908	0.1899	0.1904
2 BELLAIRE	5,150	4,894	\$221,211	\$114,130	\$107,082	\$538,428	\$448,792	0.2120	0.2386
3 LANGLEY LTD	1,884	1,944	\$78,466	\$37,719	\$40,747	\$194,606	\$207,470	0.1938	0.1964
4 BEECHNUT	2,392	2,358	\$104,278	\$51,408	\$52,870	\$300,057	\$296,470	0.1713	0.1783
5 KASHMERE GARDENS	2,904	2,482	\$108,440	\$57,252	\$51,188	\$282,343	\$261,362	0.2028	0.1958
6 JENSEN	2,037	2,075	\$86,374	\$41,044	\$45,331	\$238,434	\$247,625	0.1721	0.1831
8 NORTH/SOUTH MAIN	3,842	4,184	\$174,459	\$82,126	\$92,334	\$358,891	\$505,072	0.2288	0.1828
9 HIRSCH/MED CENTER	3,932	3,629	\$154,431	\$77,094	\$77,337	\$416,780	\$445,769	0.1850	0.1735
11 NANCE	794	840	\$32,719	\$15,656	\$17,063	\$54,188	\$113,786	0.2889	0.1500
12 ALLEN HOUSE	307	. 0	\$1,035	\$619	\$416	\$43,328	\$0	0.0143	0.0000
14 HIRAM CLARKE LTD	2,884	2,605	\$115,406	\$58,310	\$57,096	\$319,063	\$290,480	0.1828	0.1966
15 FULTON-WEST GRAY	1,978	2,061	\$85,182	\$40,706	\$44,476	\$158,830	\$201,394	0.2563	0.2208
16 MEMORIAL	1,009	453	\$29,137	\$18,977	\$10,160	\$175,277	\$77,509	0.1083	0.1311
17 TANGLEWOOD	975	417	\$28,336	\$19,337	\$8,999	\$150,307	\$49,317	0.1287	0.1825
20 CANAL	1,621	1,578	\$70,661	\$34,796	\$35,865	\$94,613	\$105,355	0.3678	0.3404
22 ALEMEDA	818	675	\$30,643	\$16,523	\$14,120	\$102,114	\$107,037	0.1618	0.1319
24 KEMPWOOD	1,010	591	\$35,544	\$23,144	\$12,400	\$127,148	\$50,575	0.1820	0.2452
25 RICHMOND-NORTHLINE	5,844	5,948	\$265,356	\$130,786	\$134,570	\$539,239	\$500,790	0.2425	0.2687
26 OUTERLOOP XTOWN	2,654	2,334	\$93,566	\$49,703	\$43,863	\$287,941	\$283,674	0.1726	0.1546
28 SOUTHMORE	2,962	2,393	\$102,320	\$53,274	\$49,046	\$265,569	\$271,881	0.2006	0.1804
30 CULLEN-CLINTON	3,495	3,133	\$137,149	\$72,721	\$64,429	\$438,718	\$424,553	0.1658	0.1518
33 POST OAK XTOWN	1,067	818	\$35,667	\$19,794	\$15,873	\$156,151	\$227,685	0.1268	0.0697
34 MONTROSE XTOWN	843	506	\$28,633	\$17,478	\$11,155	\$92,569	\$145,239	0.1888	0.0768
35 KIRBY-LEELAND	1,001	483	\$31,264	\$21,280	\$9,984	\$166,095	\$124,157	0.1281	0.0804
36 LAWNDALE	1,609	1,131	\$61,649	\$36,975	\$24,675	\$134,922	\$124,058	0.2740	0.1989
37 EL SOL*	403	466	\$12,535	\$5,566	\$6,969	\$51,492	\$88,761	0.1081	0.0785
39 LONG POINT	1,787	1,433	\$74,527	\$41,209	\$33,318	\$177,486	\$180,222	0.2322	0.1849
40 TELEPHONE-PECORE	3,506	3,296	\$141,560	\$72,464	\$69,096	\$350,842	\$349,005	0.2065	0.1980
42 HOLMAN XTOWN	1,998	1,630	\$62,211	\$32,397	\$29,814	\$135,370	\$138,021	0.2393	0.2160
44 ACRES HOMES LTD	1,495	1,461	\$59,681	\$30,301	\$29,380	\$177,688	\$308,476	0.1705	0.0952
46 GESSNER XTOWN	1,238	863	\$42,876	\$25,157	\$17,719	\$114,826	\$145,457	0.2191	0.1218
48 NAVIGATION-WASHGTN	2,287	1,774	\$83,571	\$46,398	\$37,173	\$183,778	\$278,452	0.2525	0.1335
50 HEIGHTS-HARRISBURG	4,675	4,697	\$207,759	\$100,666	\$107,094	\$371,005	\$435,266	0.2713	0.2460
52 SCOTT	3,981	2,970	\$137,736	\$74,830	\$62,906	\$381,021	\$359,392	0.1964	0.1750
53 WESTHEIMER LTD	2.591	1.899	\$102.950	\$57,927	\$45,023	\$323,570	\$195.323	0.1790	0.2305
56 AIRLINE LTD	1.463	1,151	\$58,290	\$32,785	\$25,505	\$197,413	\$250,181	0.1661	0.1019
58 HAMMERLY	651	445	\$23,569	\$14,297	\$9.272	\$109,172	\$86,307	0.1310	0.1074
60 HARDY-SO.MACGREGOR	2.053	1,488	\$68,588	\$38,294	\$30,294	\$172.038	\$165,630	0.2226	0.1829
63 SAN FELIPE I TD	1.127	475	\$30,935	\$21,289	\$9.646	\$158,896	\$88,323	0.1340	0.1092
64 GUI FTON I TD	1.107	528	\$37,178	\$25,168	\$12.010	\$181.335	\$75.963	0.1388	0.1581
65 BISSONET	2 103	1.573	\$80,161	\$44,715	\$35,446	\$203,603	\$196.849	0.2196	0.1801
68 BRAYS BAYOLI XTOWN	1.873	1.416	\$71,873	\$39.322	\$32,551	\$167.350	\$181,846	0.2350	0.1790
70 LINIVEDSITY	605	325	\$17 101	\$10,353	\$6 748	\$99.967	\$56,379	0 1036	0 1197
72 DELLEODT YTOWN	2 5 1 1	2 137	\$82.045	\$43,646	\$38,308	\$155 640	\$214 684	0.1000	0 1789
75 TAFT	524	2,107	\$17 215	\$10 614	000,000	\$46 436	\$43.805	0 2286	0 1504
	6 491	5 257	\$237 270	\$127 122	\$110 157	\$511 204	\$509.894	0.2496	0.1304
	2 7/2	3,237	\$105 211	¢50 707	\$46 474	\$212 044	\$212 647	0.270	0.2100
	2,/40 505	560	\$22,271	400,707 \$12 261	\$11 112	\$07 596	4210,04/ 483 701	0.2770	0.2120
A DOWLING LYONG	3 600	302	420,014 \$152 222	\$70 622	411,113 499 100	\$221,020	400,781 \$290 700	0.1207	0.1320
	3,099	4 570	\$100,002	\$07 000	403,199	4201,004 6200 021	\$412 270	0.2000	0.21/4
	4,510	4,3/2	φ203,043 \$14 000	431,002 67 050	\$100,001 \$2070	4029,201 \$50 195	4410,2/9	0 1006	0.2010
	331	101	φ11,620	φ1,20V	40,97U	409, IOD	-φ00,004	0.1220	0.1110

APPENDIX C (con't) FIRST QUARTER FY 86 METRO PEAK AND OFF-PEAK LINE COST RECOVERY RATIOS (REVENUE ADJUSTED FOR PASS DISCOUNTS)

n an an Araba (Araba) An Araba (Araba)	A	LL DEPREC	IATION INC		ALLOGITES	NO DEPREC	ATION INC	LUDED
	ALLOCATED	ALLOCATED	PEAK	OFF-PEAK	ALLOCATED	ALLOCATED	PEAK	OFF-PEAK
	PEAK	OFF-PEAK	HEV/COST	REV/GUST	PEAN	OFF-PEAN	REV/COST	HEV/COST
NO. HOUTE NAME	COSI	CUSI	HATIO	HANO	CUSI	COST	FAILO	HATIO
WEEKDAT LOCAL	6121 066	C105 550	0 1752	0 1705	\$100 FEA	C100 600	0.9100	0.0006
1 HOSPITAL		\$100,009	0.1752	0.1795	\$109,554	\$103,300	0.2109	0.2036
	\$094,812	\$470,161 \$010.00F	0.1919	0.2278	\$405,600	\$427,972	0.2451	0.2502
3 LANGLEY LID	\$212,892	\$210,893	0.1772	0.1879	\$171,694 COCE 450	\$198,966	0.2194	0.2048
	\$327,737	\$309,/54	0.1009	0.1707	\$200,409 \$040 574	\$284,244 \$245,500	0.1937	0.1860
5 KASHMERE GARDENS	\$312,573	\$276,470	0.1832	0.1851	\$243,574	\$245,503	0.2350	0.2085
6 JENSEN	\$203,742	\$201,400	0.1556	0.1734	\$200,045	\$233,191	0.1992	0.1944
8 NORTH/SOUTH MAIN	\$385,846	\$531,706	0.2128	0.1/3/	\$327,431	\$478,003	0.2508	0.1932
9 HIRSCHMED CENTER	\$456,120	\$467,553	0.1690	0.1654	\$367,541 \$50,170	\$424,773	0.2098	0.1821
11 NANCE	\$57,924	\$120,999	0.2703	0.1410	\$50,178	\$106,089	0.3120	0.1608
12 ALLEN HOUSE	\$49,001		0.0126	0.0000	\$35,524	\$U	0.0174	0.0000
14 HIRAM CLARKE LTD	\$347,433	\$303,328	0.1678	0.1882	\$283,886	\$278,833	0.2054	0.2048
15 FULTON-WEST GRAY	\$172,398	\$212,431	0.2361	0.2094	\$142,568	\$190,342	0.2855	0.2337
16 MEMORIAL	\$191,664	\$80,516	0.0990	0.1262	\$154,441	\$/4,933	0.1229	0.1356
17 TANGLEWOOD	\$164,747	\$50,887	0.1174	0.1768	\$131,876	\$48,237	0.1466	0.1866
20 CANAL	\$104,887	\$111,565	0.3317	0.3215	\$81,567	\$98,891	0.4266	0.3627
22 ALEMEDA	\$111,303	\$111,610	0.1484	0.1265	\$90,674	\$102,869	0.1822	0.1373
24 KEMPWOOD	\$139,921	\$53,755	0.1654	0.2307	\$110,790	\$47,423	0.2089	0.2615
25 RICHMOND-NORTHLINE	\$591,178	\$526,431	0.2212	0.2556	\$474,567	\$475,716	0.2756	0.2829
26 OUTERLOOP XTOWN	\$313,251	\$299,377	0.1587	0.1465	\$257,140	\$267,652	0.1933	0.1639
28 SOUTHMORE	\$287,833	\$284,660	0.1851	0.1723	\$238,568	\$259,862	0.2233	0.1887
30 CULLEN-CLINTON	\$480,169	\$443,996	0.1514	0.1451	\$386,577	\$406,458	0.1881	0.1585
33 POST OAK XTOWN	\$167,863	\$240,773	0.1179	0.0659	\$142,581	\$213,941	0.1388	0.0742
34 MONTROSE XTOWN	\$99,695	\$155,415	0.1753	0.0718	\$84,491	\$133,807	0.2069	0.0834
35 KIRBY-LEELAND	\$182,221	\$130,905	0.1168	0.0763	\$145,730	\$117,209	0.1460	0.0852
36 LAWNDALE	\$148,703	\$130,142	0.2486	0.1896	\$117,403	\$118,165	0.3149	0.2088
37 EL SOL	\$54,937	\$94,334	0.1013	0.0739	\$47,754	\$82,744	0.1166	0.0842
39 LONG POINT	\$192,950	\$188,543	0.2136	0.1767	\$158,272	\$172,122	0.2604	0.1936
40 TELEPHONE-PECORE	\$382,066	\$365,842	0.1897	0.1889	\$312,290	\$332,929	0.2320	0.2075
42 HOLMAN XTOWN	\$148,032	\$145,726	0.2188	0.2046	\$119,846	\$130,133	0.2703	0.2291
44 ACRES HOMES LTD	\$191,516	\$323,463	0.1582	0.0908	\$161,277	\$293,672	0.1879	0.1000
46 GESSNER XTOWN	\$123,902	\$153,698	0.2030	0.1153	\$104,029	\$136,744	0.2418	0.1296
48 NAVIGATION-WASHGTN	\$199,768	\$291,165	0.2323	0.1277	\$164,378	\$266,637	0.2823	0.1394
50 HEIGHTS-HARRISBURG	\$406,500	\$457,168	0.2476	0.2343	\$326,358	\$413,578	0.3085	0.2589
52 SCOTT	\$418,846	\$375,187	0.1787	0.1677	\$332,775	\$345,206	0.2249	0.1822
53 WESTHEIMER LTD	\$354,913	\$202,971	0.1632	0.2218	\$283,193	\$188,876	0.2045	0.2384
56 AIRLINE LTD	\$212,611	\$263,014	0.1542	0.0970	\$179,266	\$237,113	0.1829	0.1076
58 HAMMERLY	\$118,678	\$90,316	0.1205	0.1027	\$97,331	\$82,541	0.1469	0.1123
60 HARDY-SO.MACGREGOF	\$190,152	\$173,992	0.2014	0.1741	\$148,944	\$157,508	0.2571	0.1923
63 SAN FELIPE LTD	\$173,778	\$92,681	0.1225	0.1041	\$139,915	\$83,892	0.1522	0.1150
64 GULFTON LTD	\$197,980	\$78,985	0.1271	0.1520	\$160,449	\$73,437	0.1569	0.1635
65 BISSONET	\$222,121	\$205,633	0.2013	0.1724	\$180,516	\$188,719	0.2477	0.1878
68 BRAYS BAYOU XTOWN	\$181,587	\$191,760	0.2165	0.1698	\$150,182	\$171,700	0.2618	0.1896
70 UNIVERSITY	\$109,863	\$59,331	0.0942	0.1137	\$87,337	\$53,402	0.1185	0.1264
73 BELLFORT XTOWN	\$167,614	\$226,908	0.2604	0.1692	\$141,519	\$201,492	0.3084	0.1906
75 TAFT	\$51,033	\$46,023	0.2080	0.1434	\$40,654	\$41,873	0.2611	0.1576
77 LIBERTY-MLK LTD	\$559,950	\$531,262	0.2270	0.2073	\$449,834	\$488,404	0.2826	0.2255
78 ALABAMA-IRVINGTON	\$232,102	\$229,465	0.2531	0.2025	\$187,175	\$208,398	0.3138	0.2230
79 WEST LITTLE YORK LTD	\$106,772	\$87,687	0.1148	0.1267	\$85,759	\$79,949	0.1430	0.1390
80 DOWLING-LYONS	\$306,903	\$403,669	0.2301	0.2061	\$251,896	\$361,991	0.2804	0.2298
82 WESTHEIMER	\$359,106	\$435,628	0.2703	0.2446	\$292,920	\$391,091	0.3314	0.2725
84 FOUNTAIN VIEW	\$64,244	\$37,205	0.1129	0.1067	\$52,837	\$34,098	0.1372	0.1164

APPENDIX C (con't)

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		AVG	AVG	anda, in the second			ONLY VI	EHICLE DEPI	RECIATION	INCLUDED
		DAILY	DAILY	ADJUSTED	ADJUSTED	ADJUSTED	ALLOCATED	ALLOCATED	PEAK	OFF-PEAK
		PEAK	OFF-PEAK	TOTAL	PEAK	OFF-PEAK	PEAK	OFF-PEAK	REV/COST	REV/COST
NO.	ROUTE NAME	PAX	PAX	REVENUE	REVENUE	REVENUE	COST	COST	RATIO	RATIO
	WEEKDAY LOCAL						and provide the			-
85	ANTOINE I TO	1.270	710	\$47,766	\$30,955	\$16.811	\$165,716	\$149.358	0.1868	0.1126
00	RPOADWAY I TD	591	0	\$14 834	\$13,686	\$1,148	\$109.347	\$0	0 1252	0.0000
00	VALE	4 504	1 649	\$65 500	\$10,000 \$21 E70	41,140	¢176 040	\$200 E06	0.1202	0.0000
89	TALE	1,504	1,043	\$05,562	\$31,370 \$4,700	\$34,004	\$170,240	\$290,596	0.1792	0.1170
93	GREENS HOAD	190	129	\$7,862	\$4,793	\$3,069	\$38,808	\$59,126	0.1235	0.0519
98	TEXAS SPECIAL BLUE	532	1,144	\$44,376	\$13,179	\$31,197	\$64,831	\$107,620	0.2033	0.2899
- 99	TEXAS SPECIAL RED	494	1,504	\$51,808	\$11,778	\$40,030	\$70,560	\$119,121	0.1669	0.3360
402	P & HC SHUTTLE	ing the second				\$0	\$61,121	\$112,796	0.0000	0.0000
403	S & K SHUTTLE	· .				\$0	\$66,902	\$105,090	0.0000	0.0000
404	NW SHUTTI F			· ·		\$0	\$25,115	\$45,728	0.0000	0.0000
420	POST OAK SP-GOLD*	1	42	\$374	\$8	\$366	\$0	\$60 473	0.0000	0.0061
401	POST OAK SP GREEN		14	603	ŝ	¢03	ŝ	\$45 570	0,0000	0.0001
421	PUST OAK SP-GREEN	145.000	101 170	PA 547 407	400 AAA	\$0 107 004	#11 70E 007	\$10 1EE 700	0.0000	0.0020
	SUBIOT WKD LOG & SHIL	115,203	101,172	\$4,547,487	\$2,300,403	φ 2, 107,004	ф11,700,907	φ12,100,/30	0.2003	0.1799
				la en la enclarencia de la enc		1997 - A. A. A.				
		1. A.					$(k_{1},\ldots,k_{n}) \in \mathbb{R}^{n}$			
	WEEKDAY EXPRESS									
19	WILDCREST EXP	634	0	\$24,442	\$22,092	\$2,350	\$172,283	\$0	0.1282	0.0000
21	NORTHSHORE EXP	1,218	566	\$61,565	\$42,214	\$19,350	\$194,058	\$82,667	0.2175	0.2341
31	MEMORIAL EXP	1.963	852	\$94,273	\$65.111	\$29,162	\$418,666	\$106.935	0.1555	0.2727
32		1 789	499	\$85 764	\$67 893	\$17 872	\$411 244	\$107 505	0 1651	0 1662
11		268	0	\$9,280	\$7 239	\$2 041	\$62 958	\$0	0 1150	0,0000
. 41	GANDEN VILLAS EAF	E 070	1 017	\$3,200	\$200 EAD	¢2,041	¢1 250 200	\$007 107	0.1130	0.0000
5		5,872	1,917	\$213,324	\$204,349	\$10,775	φ1,209,209	φ 2 97,107	0.1024	0.2362
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		AVG	AVG		1. 		ONLY V	EHICLE DEPI	RECIATION	INCLUDED
		AVG DAILY	AVG DAILY	ADJUSTED	ADJUSTED	ADJUSTED	ONLY V	EHICLE DEPI ALLOCATED	PEAK	INCLUDED OFF-PEAK
		AVG DAILY PEAK	AVG DAILY OFF-PEAK	ADJUSTED TOTAL	ADJUSTED PEAK	ADJUSTED OFF-PEAK	ONLY VI ALLOCATED PEAK	EHICLE DEPI ALLOCATED OFF-PEAK	RECIATION PEAK REV/COST	INCLUDED OFF-PEAK REV/COST
NO		AVG DAILY PEAK PAX	AVG DAILY OFF-PEAK PAX	ADJUSTED TOTAL REVENUE	ADJUSTED PEAK REVENUE	ADJUSTED OFF-PEAK REVENUE	ONLY VI ALLOCATED PEAK COST	ALLOCATED OFF-PEAK COST	PEAK REV/COST RATIO	INCLUDED OFF-PEAK REV/COST RATIO
NO	ROUTE NAME	AVG DAILY PEAK PAX	AVG DAILY OFF-PEAK PAX	ADJUSTED TOTAL REVENUE	ADJUSTED PEAK REVENUE	ADJUSTED OFF-PEAK REVENUE	ONLY VI ALLOCATED PEAK COST	EHICLE DEPI ALLOCATED OFF-PEAK COST	RECIATION PEAK REV/COST RATIO	INCLUDED OFF-PEAK REV/COST RATIO
NO	ROUTE NAME WEEKDAY P&R	AVG DAILY PEAK PAX	AVG DAILY OFF-PEAK PAX	ADJUSTED TOTAL REVENUE	ADJUSTED PEAK REVENUE	ADJUSTED OFF-PEAK REVENUE	ONLY VI ALLOCATED PEAK COST \$75 746	EHICLE DEPI ALLOCATED OFF-PEAK COST	RECIATION PEAK REV/COST RATIO	INCLUDED OFF-PEAK REV/COST RATIO
NO 59	ROUTE NAME WEEKDAY P&R SOUTHWEST FRY P&R	AVG DAILY PEAK PAX 398	AVG DAILY OFF-PEAK PAX 0	ADJUSTED TOTAL REVENUE \$26,376	ADJUSTED PEAK REVENUE \$24,569	ADJUSTED OFF-PEAK REVENUE \$1,807	ONLY VI ALLOCATED PEAK COST \$75,746	EHICLE DEPI ALLOCATED OFF-PEAK COST	RECIATION PEAK REV/COST RATIO 0.3244	INCLUDED OFF-PEAK REV/COST RATIO 0.0000
NO 59 201	ROUTE NAME WEEKDAY P&R SOUTHWEST FRY P&R NORTH SHEPHERD P&R	AVG DAILY PEAK PAX 398 1,513	AVG DAILY OFF-PEAK PAX 0	ADJUSTED TOTAL REVENUE \$26,376 \$105,929	ADJUSTED PEAK REVENUE \$24,569 \$102,520	ADJUSTED OFF-PEAK REVENUE \$1,807 \$3,409	ONLY VI ALLOCATED PEAK COST \$75,746 \$337,051	EHICLE DEPI ALLOCATED OFF-PEAK COST \$0 \$0	RECIATION PEAK REV/COST RATIO 0.3244 0.3042	INCLUDED OFF-PEAK REV/COST RATIO 0.0000 0.0000
NO 59 201 202	ROUTE NAME WEEKDAY P&R SOUTHWEST FRY P&R NORTH SHEPHERD P&R VUYKENDAHL P&R	AVG DAILY PEAK PAX 398 1,513 3,675	AVG DAILY OFF-PEAK PAX 0 470	ADJUSTED TOTAL REVENUE \$26,376 \$105,929 \$491,357	ADJUSTED PEAK REVENUE \$24,569 \$102,520 \$434,929	ADJUSTED OFF-PEAK REVENUE \$1,807 \$3,409 \$56,427	ONLY V ALLOCATED PEAK COST \$75,746 \$337,051 \$900,353	EHICLE DEPI ALLOCATED OFF-PEAK COST \$0 \$73,203	RECIATION PEAK REV/COST RATIO 0.3244 0.3042 0.4831	INCLUDED OFF-PEAK REV/COST RATIO 0.0000 0.0000 0.7708
NO 59 201 202 206	ROUTE NAME WEEKDAY P&R SOUTHWEST FRY P&R NORTH SHEPHERD P&R KUYKENDAHL P&R EASTEX P&R	AVG DAILY PEAK PAX 398 1,513 3,675 845	AVG DAILY OFF-PEAK PAX 0 470 109	ADJUSTED TOTAL REVENUE \$26,376 \$105,929 \$491,357 \$74,439	ADJUSTED PEAK REVENUE \$24,569 \$102,520 \$434,929 \$65,909	ADJUSTED OFF-PEAK REVENUE \$1,807 \$3,409 \$56,427 \$8,529	ONLY VI ALLOCATED PEAK COST \$75,746 \$337,051 \$900,353 \$238,016	EHICLE DEPI ALLOCATED OFF-PEAK COST \$0 \$0 \$73,203 \$81,876	RECIATION PEAK REV/COST RATIO 0.3244 0.3042 0.4831 0.2769	INCLUDED OFF-PEAK REV/COST RATIO 0.0000 0.0000 0.7708 0.1042
NO 59 201 202 206 210	ROUTE NAME WEEKDAY P&R SOUTHWEST FRY P&R NORTH SHEPHERD P&R KUYKENDAHL P&R EASTEX P&R KATY-W. BELT P&R	AVG DAILY PEAK PAX 398 1,513 3,675 845 499	AVG DAILY OFF-PEAK PAX 0 0 470 109 71	ADJUSTED TOTAL REVENUE \$26,376 \$105,929 \$491,357 \$74,439 \$46,743	ADJUSTED PEAK REVENUE \$24,569 \$102,520 \$434,929 \$65,909 \$41,003	ADJUSTED OFF-PEAK REVENUE \$1,807 \$3,409 \$56,427 \$8,529 \$5,740	ONLY VI ALLOCATED PEAK COST \$75,746 \$337,051 \$900,353 \$238,016 \$137,515	EHICLE DEPI ALLOCATED OFF-PEAK COST \$0 \$73,203 \$81,876 \$64,078	RECIATION PEAK REV/COST RATIO 0.3244 0.3042 0.4831 0.2769 0.2982	INCLUDED OFF-PEAK REV/COST RATIO 0.0000 0.0000 0.7708 0.1042 0.0896
NO 59 201 202 206 210 214	ROUTE NAME WEEKDAY P&R SOUTHWEST FRY P&R NORTH SHEPHERD P&R KUYKENDAHL P&R EASTEX P&R KATY-W. BELT P&R NORTHWEST P&R	AVG DAILY PEAK PAX 398 1,513 3,675 845 499 861	AVG DAILY OFF-PEAK PAX 0 0 470 109 71 0	ADJUSTED TOTAL REVENUE \$26,376 \$105,929 \$491,357 \$74,439 \$46,743 \$84,146	ADJUSTED PEAK REVENUE \$24,569 \$102,520 \$434,929 \$65,909 \$41,003 \$76,898	ADJUSTED OFF-PEAK REVENUE \$1,807 \$3,409 \$56,427 \$8,529 \$5,740 \$7,248	ONLY VI ALLOCATED PEAK COST \$75,746 \$337,051 \$900,353 \$238,016 \$137,515 \$221,658	EHICLE DEPI ALLOCATED OFF-PEAK COST \$0 \$73,203 \$81,876 \$64,078 \$0	RECIATION PEAK REV/COST RATIO 0.3244 0.3042 0.4831 0.2769 0.2982 0.3469	INCLUDED OFF-PEAK REV/COST RATIO 0.0000 0.0000 0.7708 0.1042 0.0896 0.0000
NO 59 201 202 206 210 214 228	ROUTE NAME WEEKDAY P&R SOUTHWEST FRY P&R NORTH SHEPHERD P&R KUYKENDAHL P&R EASTEX P&R KATY-W. BELT P&R NORTHWEST P&R ADDICKS P&R	AVG DAILY PEAK PAX 398 1,513 3,675 845 499 861 1,173	AVG DAILY OFF-PEAK PAX 0 0 470 109 71 0 0	ADJUSTED TOTAL REVENUE \$26,376 \$105,929 \$491,357 \$74,439 \$46,743 \$84,146 \$116,221	ADJUSTED PEAK REVENUE \$24,569 \$102,520 \$434,929 \$65,909 \$41,003 \$76,898 \$103,417	ADJUSTED OFF-PEAK REVENUE \$1,807 \$3,409 \$56,427 \$8,529 \$5,740 \$7,248 \$12,804	ONLY VI ALLOCATED PEAK COST \$75,746 \$337,051 \$900,353 \$238,016 \$137,515 \$221,658 \$357,758	EHICLE DEPI ALLOCATED OFF-PEAK COST \$0 \$73,203 \$81,876 \$64,078 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	RECIATION PEAK REV/COST RATIO 0.3244 0.3042 0.4831 0.2769 0.2982 0.3469 0.2891	INCLUDED OFF-PEAK REV/COST RATIO 0.0000 0.0000 0.7708 0.1042 0.0896 0.0000 0.0000
NO 59 201 202 206 210 214 228 236	ROUTE NAME WEEKDAY P&R SOUTHWEST FRY P&R NORTH SHEPHERD P&R KUYKENDAHL P&R EASTEX P&R KATY-W. BELT P&R NORTHWEST P&R ADDICKS P&R MAXEY P&B	AVG DAILY PEAK PAX 398 1,513 3,675 845 499 861 1,173 276	AVG DAILY OFF-PEAK PAX 0 0 470 109 71 0 0 0	ADJUSTED TOTAL REVENUE \$26,376 \$105,929 \$491,357 \$74,439 \$46,743 \$84,146 \$116,221 \$19,281	ADJUSTED PEAK REVENUE \$24,569 \$102,520 \$434,929 \$65,909 \$41,003 \$76,898 \$103,417 \$18,786	ADJUSTED OFF-PEAK REVENUE \$1,807 \$3,409 \$56,427 \$8,529 \$5,740 \$7,248 \$12,804 \$495	ONLY V ALLOCATED PEAK COST \$75,746 \$337,051 \$900,353 \$238,016 \$137,515 \$221,658 \$357,758 \$105,117	EHICLE DEPI ALLOCATED OFF-PEAK COST \$0 \$0 \$73,203 \$81,876 \$64,078 \$0 \$0 \$0 \$0	RECIATION PEAK REV/COST RATIO 0.3244 0.3042 0.4831 0.2769 0.2982 0.3469 0.2891 0.1787	INCLUDED OFF-PEAK REV/COST RATIO 0.0000 0.7708 0.1042 0.0896 0.0000 0.0000 0.0000
NO 59 201 202 210 214 228 236 245	ROUTE NAME WEEKDAY P&R SOUTHWEST FRY P&R NORTH SHEPHERD P&R KUYKENDAHL P&R EASTEX P&R KATY-W. BELT P&R NORTHWEST P&R ADDICKS P&R MAXEY P&R EDICERPOOK P&R	AVG DAILY PEAK PAX 398 1,513 3,675 845 499 861 1,173 276	AVG DAILY OFF-PEAK PAX 0 0 0 470 109 71 0 0 0 185	ADJUSTED TOTAL REVENUE \$26,376 \$105,929 \$491,357 \$74,439 \$46,743 \$84,146 \$116,221 \$19,281 \$141,217	ADJUSTED PEAK REVENUE \$24,569 \$102,520 \$434,929 \$65,909 \$41,003 \$76,898 \$103,417 \$18,786 \$127,085	ADJUSTED OFF-PEAK REVENUE \$1,807 \$3,409 \$56,427 \$8,529 \$5,740 \$7,248 \$12,804 \$495 \$14 132	ONLY V ALLOCATED PEAK COST \$75,746 \$337,051 \$900,353 \$238,016 \$137,515 \$221,658 \$357,758 \$105,117 \$296,828	EHICLE DEPI ALLOCATED OFF-PEAK COST \$0 \$73,203 \$81,876 \$64,078 \$0 \$0 \$0 \$0 \$0 \$0 \$0	RECIATION PEAK REV/COST RATIO 0.3244 0.3042 0.4831 0.2769 0.2982 0.3469 0.2891 0.1787 0.4281	INCLUDED OFF-PEAK REV/COST RATIO 0.0000 0.7708 0.1042 0.0896 0.0000 0.0000 0.0000 0.2706
NO 59 201 202 206 210 214 228 236 236	ROUTE NAME WEEKDAY P&R SOUTHWEST FRY P&R NORTH SHEPHERD P&R KUYKENDAHL P&R EASTEX P&R KATY-W. BELT P&R NORTHWEST P&R ADDICKS P&R MAXEY P&R EDGEBROOK P&R WEETLOOD B*P	AVG DAILY PEAK PAX 398 1,513 3,675 845 499 861 1,173 276 1,589	AVG DAILY OFF-PEAK PAX 0 0 0 470 109 71 0 0 0 185 0	ADJUSTED TOTAL REVENUE \$26,376 \$105,929 \$491,357 \$74,439 \$46,743 \$84,146 \$116,221 \$19,281 \$19,281 \$141,217	ADJUSTED PEAK REVENUE \$24,569 \$102,520 \$434,929 \$65,909 \$41,003 \$76,898 \$103,417 \$18,786 \$127,085 \$57,111	ADJUSTED OFF-PEAK REVENUE \$1,807 \$3,409 \$56,427 \$8,529 \$5,740 \$7,248 \$12,804 \$495 \$14,132 \$2,504	ONLY VI ALLOCATED PEAK COST \$75,746 \$337,051 \$900,353 \$238,016 \$137,515 \$221,658 \$357,758 \$105,117 \$296,828 \$217,006	EHICLE DEPI ALLOCATED OFF-PEAK COST \$0 \$73,203 \$81,876 \$64,078 \$0 \$0 \$0 \$52,222 \$0	RECIATION PEAK REV/COST RATIO 0.3244 0.3042 0.4831 0.2769 0.2982 0.3469 0.2891 0.1787 0.4281 0.222	INCLUDED OFF-PEAK REV/COST RATIO 0.0000 0.7708 0.1042 0.0896 0.0000 0.0000 0.0000 0.2706 0.0000
NO 59 201 202 206 210 214 226 236 245 261	ROUTE NAME WEEKDAY P&R SOUTHWEST FRY P&R NORTH SHEPHERD P&R KUYKENDAHL P&R EASTEX P&R KATY-W. BELT P&R NORTHWEST P&R ADDICKS P&R MAXEY P&R EDGEBROOK P&R WEST LOOP P&R	AVG DAILY PEAK PAX 398 1,513 3,675 845 499 861 1,173 276 1,589 1,023	AVG DAILY OFF-PEAK PAX 0 0 0 470 109 71 0 0 0 185 0 142	ADJUSTED TOTAL REVENUE \$26,376 \$105,929 \$491,357 \$74,439 \$46,743 \$84,146 \$116,221 \$19,281 \$141,217 \$59,615	ADJUSTED PEAK REVENUE \$24,569 \$102,520 \$434,929 \$65,909 \$41,003 \$76,898 \$103,417 \$18,786 \$127,085 \$57,111	ADJUSTED OFF-PEAK REVENUE \$1,807 \$3,409 \$56,427 \$8,529 \$5,740 \$7,248 \$12,804 \$495 \$14,132 \$2,504 \$14,132	ONLY VI ALLOCATED PEAK COST \$75,746 \$337,051 \$900,353 \$238,016 \$137,515 \$221,658 \$357,758 \$105,117 \$296,828 \$217,006 \$295,707	EHICLE DEPI ALLOCATED OFF-PEAK COST \$0 \$73,203 \$81,876 \$64,078 \$0 \$0 \$0 \$0 \$0 \$2,222 \$0 \$0 \$10,400	RECIATION PEAK REV/COST RATIO 0.3244 0.3042 0.4831 0.2769 0.2982 0.3469 0.2891 0.1787 0.4281 0.2632 0.2632	INCLUDED OFF-PEAK REV/COST RATIO 0.0000 0.0000 0.7708 0.1042 0.0896 0.0000 0.0000 0.0000 0.2706 0.0000 0.2706
NO. 59 201 202 206 210 214 228 236 245 261 262	ROUTE NAME WEEKDAY P&R SOUTHWEST FRY P&R NORTH SHEPHERD P&R KUYKENDAHL P&R EASTEX P&R KATY-W. BELT P&R NORTHWEST P&R ADDICKS P&R MAXEY P&R EDGEBROOK P&R WEST LOOP P&R WEST LOOP P&R	AVG DAILY PEAK PAX 398 1,513 3,675 845 499 861 1,173 276 1,589 1,023 1,190	AVG DAILY OFF-PEAK PAX 0 0 0 470 109 71 0 0 0 185 0 142	ADJUSTED TOTAL REVENUE \$26,376 \$105,929 \$491,357 \$74,439 \$46,743 \$84,146 \$116,221 \$19,281 \$141,217 \$59,615 \$106,530	ADJUSTED PEAK REVENUE \$24,569 \$102,520 \$434,929 \$65,909 \$41,003 \$76,898 \$103,417 \$18,786 \$127,085 \$57,111 \$93,376	ADJUSTED OFF-PEAK REVENUE \$1,807 \$3,409 \$56,427 \$8,529 \$5,740 \$7,248 \$12,804 \$495 \$14,132 \$2,504 \$13,155	ONLY VI ALLOCATED PEAK COST \$75,746 \$337,051 \$900,353 \$238,016 \$137,515 \$221,658 \$357,758 \$105,117 \$296,828 \$217,006 \$285,707	EHICLE DEPI ALLOCATED OFF-PEAK COST \$0 \$0 \$73,203 \$81,876 \$64,078 \$0 \$0 \$0 \$0 \$52,222 \$0 \$42,498	RECIATION PEAK REV/COST RATIO 0.3244 0.3042 0.4831 0.2769 0.2982 0.3469 0.2891 0.1787 0.4281 0.2632 0.3268	INCLUDED OFF-PEAK REV/COST RATIO 0.0000 0.0000 0.7708 0.1042 0.0896 0.0000 0.0000 0.0000 0.2706 0.0000 0.3095
NO 59 201 202 206 210 214 228 236 245 261 262 263	ROUTE NAME WEEKDAY P&R SOUTHWEST FRY P&R NORTH SHEPHERD P&R KUYKENDAHL P&R EASTEX P&R KATY-W. BELT P&R NORTHWEST P&R ADDICKS P&R MAXEY P&R EDGEBROOK P&R WEST LOOP P&R WEST LOOP P&R ALIEF P&R	AVG DAILY PEAK PAX 398 1,513 3,675 845 499 861 1,173 276 1,589 1,023 1,190 863	AVG DAILY OFF-PEAK PAX 0 0 0 470 109 71 0 0 0 185 0 142 0	ADJUSTED TOTAL REVENUE \$26,376 \$105,929 \$491,357 \$74,439 \$46,743 \$84,146 \$116,221 \$19,281 \$141,217 \$59,615 \$106,530 \$70,351	ADJUSTED PEAK REVENUE \$24,569 \$102,520 \$434,929 \$65,909 \$41,003 \$76,898 \$103,417 \$18,786 \$127,085 \$57,111 \$93,376 \$65,704	ADJUSTED OFF-PEAK REVENUE \$1,807 \$3,409 \$56,427 \$8,529 \$5,740 \$7,248 \$12,804 \$495 \$14,132 \$2,504 \$13,155 \$4,647	ONLY VI ALLOCATED PEAK COST \$75,746 \$337,051 \$900,353 \$238,016 \$137,515 \$221,658 \$357,758 \$105,117 \$296,828 \$217,006 \$285,707 \$249,347	EHICLE DEPI ALLOCATED OFF-PEAK COST \$0 \$0 \$73,203 \$81,876 \$64,078 \$0 \$0 \$0 \$52,222 \$0 \$42,498 \$0	RECIATION PEAK REV/COST RATIO 0.3244 0.3042 0.4831 0.2769 0.2982 0.3469 0.2891 0.1787 0.4281 0.2632 0.3268 0.2635	INCLUDED OFF-PEAK REV/COST RATIO 0.0000 0.0000 0.7708 0.1042 0.0896 0.0000 0.0000 0.0000 0.2706 0.0000 0.3095 0.0000
NO 59 201 202 210 214 228 236 245 261 262 263 284	ROUTE NAME WEEKDAY P&R SOUTHWEST FRY P&R NORTH SHEPHERD P&R KUYKENDAHL P&R EASTEX P&R KATY-W. BELT P&R NORTHWEST P&R ADDICKS P&R MAXEY P&R EDGEBROOK P&R WEST LOOP P&R WEST LOOP P&R WEST LOOP P&R SPRING-W. LAKE P&R	AVG DAILY PEAK PAX 398 1,513 3,675 845 499 861 1,173 276 1,589 1,023 1,190 863 1,30	AVG DAILY OFF-PEAK PAX 0 0 470 109 71 0 0 0 185 0 142 0 0	ADJUSTED TOTAL REVENUE \$26,376 \$105,929 \$491,357 \$74,439 \$46,743 \$84,146 \$116,221 \$19,281 \$141,217 \$59,615 \$106,530 \$70,351 \$15,843	ADJUSTED PEAK REVENUE \$24,569 \$102,520 \$434,929 \$65,909 \$41,003 \$76,898 \$103,417 \$18,786 \$127,085 \$57,111 \$93,376 \$65,704 \$13,739	ADJUSTED OFF-PEAK REVENUE \$1,807 \$3,409 \$56,427 \$8,529 \$5,740 \$7,248 \$12,804 \$495 \$14,132 \$2,504 \$13,155 \$4,647 \$2,104	ONLY VI ALLOCATED PEAK COST \$75,746 \$337,051 \$900,353 \$238,016 \$137,515 \$221,658 \$357,758 \$105,117 \$296,828 \$217,006 \$285,707 \$249,347 \$106,115	EHICLE DEPI ALLOCATED OFF-PEAK COST \$0 \$0 \$73,203 \$81,876 \$64,078 \$0 \$0 \$0 \$52,222 \$0 \$42,498 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	RECIATION PEAK REV/COST RATIO 0.3244 0.3042 0.4831 0.2769 0.2982 0.3469 0.2891 0.1787 0.4281 0.2632 0.3268 0.2635 0.1295	INCLUDED OFF-PEAK REV/COST RATIO 0.0000 0.0000 0.7708 0.1042 0.0896 0.0000 0.0000 0.0000 0.2706 0.0000 0.3095 0.0000 0.0000
NO. 59 201 202 206 210 214 228 261 262 263 284 291	ROUTE NAME WEEKDAY P&R SOUTHWEST FRY P&R NORTH SHEPHERD P&R KUYKENDAHL P&R EASTEX P&R KATY-W. BELT P&R KATY-W. BELT P&R NORTHWEST P&R ADDICKS P&R MAXEY P&R EDGEBROOK P&R WEST LOOP P&R WEST LOOP P&R WEST LOOP P&R SPRING-W. LAKE P&R NORTH SHEPHERD P&R	AVG DAILY PEAK PAX 398 1,513 3,675 845 499 861 1,173 276 1,589 1,023 1,190 863 1,190 863 1,300	AVG DAILY OFF-PEAK PAX 0 0 0 470 109 71 0 0 185 0 185 0 142 0 0 0 0	ADJUSTED TOTAL REVENUE \$26,376 \$105,929 \$491,357 \$74,439 \$46,743 \$84,146 \$116,221 \$19,281 \$141,217 \$59,615 \$106,530 \$70,351 \$15,843 \$23,321	ADJUSTED PEAK REVENUE \$24,569 \$102,520 \$434,929 \$65,909 \$41,003 \$76,898 \$103,417 \$18,786 \$127,085 \$57,111 \$93,376 \$65,704 \$13,739 \$21,007	ADJUSTED OFF-PEAK REVENUE \$1,807 \$3,409 \$56,427 \$8,529 \$5,740 \$7,248 \$12,804 \$495 \$14,132 \$2,504 \$13,155 \$4,647 \$2,104 \$2,314	ONLY VI ALLOCATED PEAK COST \$75,746 \$337,051 \$900,353 \$238,016 \$137,515 \$221,658 \$357,758 \$105,117 \$296,828 \$105,117 \$296,828 \$217,006 \$285,707 \$249,347 \$106,115 \$86,879	EHICLE DEPI ALLOCATED OFF-PEAK COST \$0 \$0 \$73,203 \$81,876 \$64,078 \$0 \$0 \$0 \$52,222 \$0 \$42,498 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	RECIATION PEAK REV/COST RATIO 0.3244 0.3042 0.4831 0.2769 0.2982 0.3469 0.2891 0.1787 0.4281 0.2632 0.3268 0.2635 0.1295 0.2418	INCLUDED OFF-PEAK REV/COST RATIO 0.0000 0.7708 0.1042 0.0896 0.0000 0.0000 0.2706 0.0000 0.3095 0.0000 0.0000 0.0000 0.0000
NO. 59 201 202 206 210 214 228 261 262 263 284 291	ROUTE NAME WEEKDAY P&R SOUTHWEST FRY P&R NORTH SHEPHERD P&R KUYKENDAHL P&R EASTEX P&R KATY-W. BELT P&R NORTHWEST P&R ADDICKS P&R MAXEY P&R EDGEBROOK P&R WEST LOOP P&R WEST LOOP P&R WEST LOOP P&R SUBTOTAL METRO P&R SUBTOTAL METRO P&R	AVG DAILY PEAK PAX 398 1,513 3,675 845 499 861 1,173 276 1,589 1,023 1,190 863 1,190 863 1,302 1,4312	AVG DAILY OFF-PEAK PAX 0 0 0 470 109 71 0 0 185 0 142 0 142 0 0 977	ADJUSTED TOTAL REVENUE \$26,376 \$105,929 \$491,357 \$74,439 \$46,743 \$84,146 \$116,221 \$19,281 \$141,217 \$59,615 \$106,530 \$70,351 \$15,843 \$23,321 \$1,381,370	ADJUSTED PEAK REVENUE \$24,569 \$102,520 \$434,929 \$65,909 \$41,003 \$76,898 \$103,417 \$18,786 \$127,085 \$57,111 \$93,376 \$65,704 \$13,739 \$21,007 \$1,246,055	ADJUSTED OFF-PEAK REVENUE \$1,807 \$3,409 \$56,427 \$8,529 \$5,740 \$7,248 \$12,804 \$495 \$14,132 \$2,504 \$13,155 \$4,647 \$2,104 \$2,314 \$135,315	ONLY VI ALLOCATED PEAK COST \$75,746 \$337,051 \$900,353 \$238,016 \$137,515 \$221,658 \$357,758 \$105,117 \$296,828 \$105,117 \$296,828 \$217,006 \$249,347 \$106,115 \$86,879 \$3,615,096	EHICLE DEPI ALLOCATED OFF-PEAK COST \$0 \$73,203 \$81,876 \$64,078 \$0 \$0 \$52,222 \$0 \$42,498 \$0 \$0 \$30 \$52,322 \$0 \$42,498 \$0 \$0 \$0 \$52,323 \$0 \$1,877	RECIATION PEAK REV/COST RATIO 0.3244 0.3042 0.4831 0.2769 0.2982 0.3469 0.2891 0.1787 0.4281 0.2632 0.3268 0.2635 0.1295 0.2418 0.3447	INCLUDED OFF-PEAK REV/COST RATIO 0.0000 0.0000 0.7708 0.1042 0.0896 0.0000 0.0000 0.2706 0.0000 0.3095 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
NO 59 201 202 206 210 226 245 261 262 265 261 262 265 284 291 221	ROUTE NAME WEEKDAY P&R SOUTHWEST FRY P&R NORTH SHEPHERD P&R KUYKENDAHL P&R EASTEX P&R KATY-W. BELT P&R NORTHWEST P&R ADDICKS P&R MAXEY P&R EDGEBROOK P&R WEST LOOP P&R WEST LOOP P&R WEST LOOP P&R WEST LOOP P&R SUBTOAL METRO P&R SUBTOTAL METRO P&R SUBTOTAL METRO P&R KATY-MASON P&R*	AVG DAILY PEAK PAX 398 1,513 3,675 845 499 861 1,173 276 1,589 1,023 1,190 863 1,190 863 1,377 14,312 697	AVG DAILY OFF-PEAK PAX 0 0 470 109 71 0 0 185 0 142 0 142 0 0 977 0	ADJUSTED TOTAL REVENUE \$26,376 \$105,929 \$491,357 \$74,439 \$46,743 \$84,146 \$116,221 \$19,281 \$141,217 \$59,615 \$106,530 \$70,351 \$15,843 \$23,321 \$1,381,370 \$69,064	ADJUSTED PEAK REVENUE \$24,569 \$102,520 \$434,929 \$65,909 \$41,003 \$76,898 \$103,417 \$18,786 \$127,085 \$57,111 \$93,376 \$65,704 \$13,739 \$21,007 \$1,246,055 \$56,116	ADJUSTED OFF-PEAK REVENUE \$1,807 \$3,409 \$56,427 \$8,529 \$5,740 \$7,248 \$12,804 \$495 \$14,132 \$2,504 \$13,155 \$4,647 \$2,314 \$135,315 \$12,948	ONLY VI ALLOCATED PEAK COST \$75,746 \$337,051 \$900,353 \$238,016 \$137,515 \$221,658 \$105,117 \$296,828 \$217,006 \$285,707 \$249,347 \$106,115 \$86,879 \$3,615,096 \$197,769	EHICLE DEPI ALLOCATED OFF-PEAK COST \$0 \$73,203 \$81,876 \$64,078 \$0 \$0 \$52,222 \$0 \$42,498 \$0 \$0 \$313,877 \$0	RECIATION PEAK REV/COST RATIO 0.3244 0.3042 0.4831 0.2769 0.2982 0.3469 0.2891 0.1787 0.4281 0.2632 0.3268 0.2635 0.1295 0.2418 0.3447 0.2837	INCLUDED OFF-PEAK REV/COST RATIO 0.0000 0.0000 0.7708 0.1042 0.0896 0.0000 0.0000 0.2706 0.0000 0.3095 0.0000 0.3095 0.0000 0.0000 0.0000 0.4311 0.0000
NO 59 201 202 200 210 226 245 261 262 265 284 291 221 221	ROUTE NAME WEEKDAY P&R SOUTHWEST FRY P&R NORTH SHEPHERD P&R KUYKENDAHL P&R EASTEX P&R KATY-W. BELT P&R NORTHWEST P&R ADDICKS P&R ADDICKS P&R EDGEBROOK P&R EDGEBROOK P&R WEST LOOP P&R WEST LOOP P&R WEST LOOP P&R ALIEF P&R SUBTOTAL METRO P&R SUBTOTAL METRO P&R KATY-MASON P&R* KINGSI AND P&R*	AVG DAILY PEAK PAX 398 1,513 3,675 845 499 861 1,173 276 1,589 1,023 1,190 863 1,190 863 1,312 677 14,312	AVG DAILY OFF-PEAK PAX 0 0 0 470 109 71 0 0 142 0 142 0 142 0 977 0 0	ADJUSTED TOTAL REVENUE \$26,376 \$105,929 \$491,357 \$74,439 \$46,743 \$84,146 \$116,221 \$19,281 \$141,217 \$59,615 \$106,530 \$70,351 \$15,843 \$23,321 \$1,381,370 \$69,064 \$18,133	ADJUSTED PEAK REVENUE \$24,569 \$102,520 \$434,929 \$65,909 \$41,003 \$76,898 \$103,417 \$18,786 \$127,085 \$57,111 \$93,376 \$65,704 \$13,739 \$21,007 \$1,246,055 \$56,116 \$15,777	ADJUSTED OFF-PEAK REVENUE \$1,807 \$3,409 \$56,427 \$8,529 \$5,740 \$7,248 \$12,804 \$495 \$14,132 \$2,504 \$13,155 \$4,647 \$2,104 \$2,314 \$135,315 \$12,948 \$2,257	ONLY VI ALLOCATED PEAK COST \$75,746 \$337,051 \$900,353 \$238,016 \$137,515 \$221,658 \$357,758 \$105,117 \$296,828 \$217,006 \$285,707 \$249,347 \$106,115 \$86,879 \$3,615,096 \$197,769 \$59,571	EHICLE DEPI ALLOCATED OFF-PEAK COST \$0 \$73,203 \$81,876 \$64,078 \$0 \$0 \$52,222 \$0 \$42,498 \$0 \$42,498 \$0 \$313,877 \$0 \$0 \$0 \$5313,877	RECIATION PEAK REV/COST RATIO 0.3244 0.3042 0.4831 0.2769 0.2982 0.3469 0.2891 0.1787 0.4281 0.2632 0.3268 0.2635 0.1295 0.2418 0.3447 0.2837 0.2648	INCLUDED OFF-PEAK REV/COST RATIO 0.0000 0.0000 0.7708 0.1042 0.0896 0.0000 0.0000 0.2706 0.0000 0.2706 0.0000 0.3095 0.0000 0.0000 0.0000 0.4311 0.0000 0.0000
NO 59 201 202 206 210 214 228 261 262 263 284 291 221 221 221	ROUTE NAME WEEKDAY P&R SOUTHWEST FRY P&R NORTH SHEPHERD P&R KUYKENDAHL P&R EASTEX P&R KATY-W. BELT P&R NORTHWEST P&R ADDICKS P&R ADDICKS P&R EDGEBROOK P&R WEST LOOP P&R WEST LOOP P&R WEST LOOP P&R SPRING-W. LAKE P&R SPRING-W. LAKE P&R SOBTOTAL METRO P&R KATY-MASON P&R* KATY-MASON P&R*	AVG DAILY PEAK PAX 398 1,513 3,675 845 499 861 1,173 276 1,589 1,023 1,190 863 1,300 277 14,312 697 552	AVG DAILY OFF-PEAK PAX 0 0 0 470 109 71 0 0 142 0 142 0 142 0 977 0 0	ADJUSTED TOTAL REVENUE \$26,376 \$105,929 \$491,357 \$74,439 \$46,743 \$84,146 \$116,221 \$19,281 \$141,217 \$59,615 \$106,530 \$70,351 \$15,843 \$23,321 \$1,381,370 \$69,064 \$18,133 \$5,418	ADJUSTED PEAK REVENUE \$24,569 \$102,520 \$434,929 \$65,909 \$41,003 \$76,898 \$103,417 \$18,786 \$127,085 \$57,111 \$93,376 \$65,704 \$13,739 \$21,007 \$1,246,055 \$56,116 \$15,777 \$5,091	ADJUSTED OFF-PEAK REVENUE \$1,807 \$3,409 \$56,427 \$8,529 \$5,740 \$7,248 \$12,804 \$495 \$14,132 \$2,504 \$13,155 \$4,647 \$2,104 \$2,314 \$135,315 \$12,948 \$2,357 \$327	ONLY VI ALLOCATED PEAK COST \$75,746 \$337,051 \$900,353 \$238,016 \$137,515 \$221,658 \$357,758 \$105,117 \$296,828 \$217,006 \$285,707 \$249,347 \$106,115 \$86,879 \$3,615,096 \$197,769 \$59,571 \$29,205	EHICLE DEPI ALLOCATED OFF-PEAK COST \$0 \$0 \$73,203 \$81,876 \$64,078 \$0 \$0 \$52,222 \$0 \$42,498 \$0 \$42,498 \$0 \$313,877 \$0 \$0 \$0 \$0 \$0 \$313,877	RECIATION PEAK REV/COST RATIO 0.3244 0.3042 0.4831 0.2769 0.2982 0.3469 0.2891 0.1787 0.4281 0.2632 0.3268 0.2635 0.1295 0.2418 0.3447 0.2837 0.2648 0.2648 0.1743	INCLUDED OFF-PEAK REV/COST RATIO 0.0000 0.0000 0.7708 0.1042 0.0896 0.0000 0.0000 0.2706 0.0000 0.2706 0.0000 0.3095 0.0000 0.0000 0.4311 0.0000 0.0000 0.0000
NO. 59 201 202 206 210 206 246 265 265 265 265 265 265 265 265 265 26	ROUTE NAME WEEKDAY P&R SOUTHWEST FRY P&R NORTH SHEPHERD P&R KUYKENDAHL P&R EASTEX P&R KATY-W. BELT P&R NORTHWEST P&R ADDICKS P&R MAXEY P&R EDGEBROOK P&R WEST LOOP P&R WEST LOOP P&R ALIEF P&R SPRING-W. LAKE P&R NORTH SHEPHERD P&R SUBTOTAL METRO P&R KATY-MASON P&R* KINGSLAND P&R* KATY/FRY P&R*	AVG DAILY PEAK PAX 398 1,513 3,675 845 499 861 1,173 2,76 1,589 1,023 1,190 863 1,300 2,77 14,312 697 5,52 166 6,42	AVG DAILY OFF-PEAK PAX 0 0 470 109 71 0 0 0 142 0 142 0 977 0 0 0 0	ADJUSTED TOTAL REVENUE \$26,376 \$105,929 \$491,357 \$74,439 \$46,743 \$84,146 \$116,221 \$19,281 \$141,217 \$59,615 \$106,530 \$70,351 \$15,843 \$23,321 \$1,381,370 \$69,064 \$18,133 \$5,418 \$20,000	ADJUSTED PEAK REVENUE \$24,569 \$102,520 \$434,929 \$65,909 \$41,003 \$76,898 \$103,417 \$18,786 \$127,085 \$57,111 \$93,376 \$65,704 \$13,739 \$21,007 \$1,246,055 \$56,116 \$15,777 \$5,091 \$26,051	ADJUSTED OFF-PEAK REVENUE \$1,807 \$3,409 \$56,427 \$8,529 \$5,740 \$7,248 \$12,804 \$495 \$14,132 \$2,504 \$13,155 \$4,647 \$2,104 \$2,314 \$135,315 \$12,948 \$2,357 \$327 \$327 \$327	ONLY VI ALLOCATED PEAK COST \$75,746 \$337,051 \$900,353 \$238,016 \$137,515 \$221,658 \$357,758 \$105,117 \$296,828 \$217,006 \$285,707 \$249,347 \$106,115 \$86,879 \$3,615,096 \$197,769 \$59,571 \$29,205 \$95,006	EHICLE DEPI ALLOCATED OFF-PEAK COST \$0 \$0 \$73,203 \$81,876 \$64,078 \$0 \$0 \$52,222 \$0 \$42,498 \$0 \$0 \$313,877 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	RECIATION PEAK REV/COST RATIO 0.3244 0.3042 0.4831 0.2769 0.2982 0.3469 0.2891 0.1787 0.4281 0.2632 0.3268 0.2635 0.1295 0.2418 0.3447 0.2837 0.2648 0.3447 0.2837 0.2648 0.1743 0.2742	INCLUDED OFF-PEAK REV/COST RATIO 0.0000 0.0000 0.7708 0.1042 0.0896 0.0000 0.0000 0.2706 0.0000 0.2706 0.0000 0.3095 0.0000 0.0000 0.4311 0.0000 0.0000 0.0000 0.0000 0.0000
NO. 59 201 202 206 210 214 226 265 265 265 265 264 291 221 221 227 107	ROUTE NAME WEEKDAY P&R SOUTHWEST FRY P&R NORTH SHEPHERD P&R KUYKENDAHL P&R EASTEX P&R KATY-W. BELT P&R KATY-W. BELT P&R NORTHWEST P&R MAXEY P&R EDGEBROOK P&R WEST LOOP P&R EDGEBROOK P&R WEST LOOP P&R SUBTOTAL METRO P&R SUBTOTAL METRO P&R SUBTOTAL METRO P&R KATY-MASON P&R* KINGSLAND P&R* KATY/FRY P&R*	AVG DAILY PEAK PAX 398 1,513 3,675 845 499 861 1,173 276 1,589 1,023 1,190 863 1,300 277 14,312 697 552 166 648	AVG DAILY OFF-PEAK PAX 0 0 0 470 109 71 0 0 185 0 142 0 0 977 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ADJUSTED TOTAL REVENUE \$26,376 \$105,929 \$491,357 \$74,439 \$46,743 \$84,146 \$116,221 \$19,281 \$141,217 \$59,615 \$106,530 \$70,351 \$15,843 \$23,321 \$1,381,370 \$69,064 \$18,133 \$5,418 \$29,090 \$89,015	ADJUSTED PEAK REVENUE \$24,569 \$102,520 \$434,929 \$65,909 \$41,003 \$76,898 \$103,417 \$18,786 \$127,085 \$57,111 \$93,376 \$65,704 \$13,739 \$21,007 \$1,246,055 \$56,116 \$15,777 \$5,091 \$26,051 \$70,672	ADJUSTED OFF-PEAK REVENUE \$1,807 \$3,409 \$56,427 \$8,529 \$5,740 \$7,248 \$12,804 \$495 \$14,132 \$2,504 \$13,155 \$4,647 \$2,104 \$2,314 \$135,315 \$12,948 \$2,357 \$3,039 \$0,442	ONLY VI ALLOCATED PEAK COST \$75,746 \$337,051 \$900,353 \$238,016 \$137,515 \$221,658 \$105,117 \$296,828 \$105,117 \$296,828 \$217,006 \$285,707 \$249,347 \$106,115 \$86,879 \$3,615,096 \$197,769 \$59,571 \$29,205 \$95,006	EHICLE DEPI ALLOCATED OFF-PEAK COST \$0 \$73,203 \$81,876 \$64,078 \$0 \$52,222 \$0 \$42,498 \$0 \$42,498 \$0 \$313,877 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	RECIATION PEAK REV/COST RATIO 0.3244 0.3042 0.4831 0.2769 0.2982 0.3469 0.2891 0.1787 0.4281 0.2632 0.3268 0.2635 0.1295 0.2418 0.3447 0.2837 0.2648 0.3447 0.2837 0.2648 0.1743 0.2742 0.2910	INCLUDED OFF-PEAK REV/COST RATIO 0.0000 0.0000 0.7708 0.1042 0.0896 0.0000 0.0000 0.2706 0.0000 0.2706 0.0000 0.2706 0.0000 0.0000 0.0000 0.4311 0.0000 0.0000 0.0000 0.0000 0.0000
NO. 59 201 202 206 210 214 228 236 245 261 262 263 284 291 221 221 227 107 204	ROUTE NAME WEEKDAY P&R SOUTHWEST FRY P&R NORTH SHEPHERD P&R KUYKENDAHL P&R EASTEX P&R KATY-W. BELT P&R NORTHWEST P&R ADDICKS P&R MAXEY P&R EDGEBROOK P&R WEST LOOP P&R WEST LOOP P&R WEST LOOP P&R ALIEF P&R SPRING-W. LAKE P&R NORTH SHEPHERD P&R SUBTOTAL METRO P&R KATY-MASON P&R* KINGSLAND P&R* KATY/FRY P&R*	AVG DAILY PEAK PAX 398 1,513 3,675 845 499 861 1,173 276 1,589 1,023 1,190 863 1,190 863 1,190 863 1,190 863 1,190 863 1,190 863 1,922 166 648 1,982	AVG DAILY OFF-PEAK PAX 0 0 0 470 109 71 0 0 142 0 142 0 142 0 0 977 0 0 0 0 0 0 0	ADJUSTED TOTAL REVENUE \$26,376 \$105,929 \$491,357 \$74,439 \$46,743 \$84,146 \$116,221 \$19,281 \$141,217 \$59,615 \$106,530 \$70,351 \$15,843 \$23,321 \$1,381,370 \$69,064 \$18,133 \$5,418 \$29,090 \$88,015	ADJUSTED PEAK REVENUE \$24,569 \$102,520 \$434,929 \$65,909 \$41,003 \$76,898 \$103,417 \$18,786 \$127,085 \$57,111 \$93,376 \$65,704 \$13,739 \$21,007 \$1,246,055 \$56,116 \$15,777 \$5,091 \$26,051 \$78,573	ADJUSTED OFF-PEAK REVENUE \$1,807 \$3,409 \$56,427 \$8,529 \$5,740 \$7,248 \$12,804 \$495 \$14,132 \$2,504 \$13,155 \$4,647 \$2,104 \$2,314 \$135,315 \$12,948 \$2,357 \$3,039 \$9,442	ONLY VI ALLOCATED PEAK COST \$75,746 \$337,051 \$900,353 \$238,016 \$137,515 \$221,658 \$357,758 \$105,117 \$296,828 \$217,006 \$249,347 \$106,115 \$86,879 \$3,615,096 \$197,769 \$59,571 \$29,205 \$95,006 \$200,471 \$20,205	EHICLE DEPI ALLOCATED OFF-PEAK COST \$0 \$73,203 \$81,876 \$64,078 \$0 \$0 \$52,222 \$0 \$42,498 \$0 \$0 \$313,877 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	RECIATION PEAK REV/COST RATIO 0.3244 0.3042 0.4831 0.2769 0.2982 0.3469 0.2891 0.1787 0.4281 0.2632 0.3268 0.2635 0.1295 0.2418 0.3447 0.2837 0.2648 0.3447 0.2837 0.2648 0.1743 0.2742 0.3919 0.2152	INCLUDED OFF-PEAK REV/COST RATIO 0.0000 0.0000 0.7708 0.1042 0.0896 0.0000 0.0000 0.2706 0.0000 0.2706 0.0000 0.3095 0.0000 0.0000 0.4311 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
NO 59 201 202 206 210 214 228 261 262 263 284 291 221 221 221 221 227 107 204	ROUTE NAME WEEKDAY P&R SOUTHWEST FRY P&R NORTH SHEPHERD P&R KUYKENDAHL P&R EASTEX P&R KATY-W. BELT P&R NORTHWEST P&R ADDICKS P&R ADDICKS P&R MAXEY P&R EDGEBROOK P&R WEST LOOP P&R WEST LOOP P&R WEST LOOP P&R WEST LOOP P&R SUBTOAL METRO P&R SUBTOTAL METRO P&R SUBTOTAL METRO P&R KATY-MASON P&R* KINGSLAND P&R* FM 1960* SPRING P&R*	AVG DAILY PEAK PAX 398 1,513 3,675 845 499 861 1,173 276 1,589 1,023 1,190 863 1,190 863 1,307 14,312 697 552 166 648 1,982 4,045	AVG DAILY OFF-PEAK PAX 0 0 470 109 71 0 0 142 0 185 0 142 0 977 0 0 0 0 977 0 0 0	ADJUSTED TOTAL REVENUE \$26,376 \$105,929 \$491,357 \$74,439 \$46,743 \$84,146 \$116,221 \$19,281 \$141,217 \$59,615 \$106,530 \$70,351 \$15,843 \$23,321 \$1,381,370 \$69,064 \$18,133 \$5,418 \$29,090 \$88,015 \$209,719	ADJUSTED PEAK REVENUE \$24,569 \$102,520 \$434,929 \$65,909 \$41,003 \$76,898 \$103,417 \$18,786 \$127,085 \$57,111 \$93,376 \$65,704 \$13,739 \$21,007 \$1,246,055 \$56,116 \$15,777 \$5,091 \$26,051 \$78,573 \$181,607	ADJUSTED OFF-PEAK REVENUE \$1,807 \$3,409 \$56,427 \$8,529 \$5,740 \$7,248 \$12,804 \$495 \$14,132 \$2,504 \$13,155 \$4,647 \$2,314 \$135,315 \$12,948 \$2,357 \$3,039 \$9,442 \$28,112	ONLY VI ALLOCATED PEAK COST \$75,746 \$337,051 \$900,353 \$238,016 \$137,515 \$221,658 \$105,117 \$296,828 \$217,006 \$285,707 \$249,347 \$106,115 \$86,879 \$3,615,096 \$197,769 \$59,571 \$29,205 \$95,006 \$200,471 \$582,022	EHICLE DEPI ALLOCATED OFF-PEAK COST \$0 \$73,203 \$81,876 \$64,078 \$0 \$0 \$52,222 \$0 \$42,498 \$0 \$0 \$313,877 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	RECIATION PEAK REV/COST RATIO 0.3244 0.3042 0.4831 0.2769 0.2982 0.3469 0.2891 0.1787 0.4281 0.2632 0.3268 0.2635 0.1295 0.2418 0.3447 0.2837 0.2648 0.3447 0.2837 0.2648 0.1743 0.2742 0.3919 0.3120	INCLUDED OFF-PEAK REV/COST RATIO 0.0000 0.0000 0.7708 0.1042 0.0896 0.0000 0.0000 0.2706 0.0000 0.2706 0.0000 0.3095 0.0000 0.0000 0.4311 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

*ROUTES IN SERVICE LESS THAN 64 WEEKDAYS

APPENDIX C (con't)

		A	LL DEPREC	IATION INC	LUDED		NO DEPREC	ATION INC	LUDED
		ALLOCATED	ALLOCATED	PEAK	OFF-PEAK	ALLOCATED	ALLOCATED	PEAK	OFF-PEAK
		PEAK	OFF-PEAK	REV/COST	REV/COST	PEAK	OFF-PEAK	REV/COST	REV/COST
NO.	ROUTE NAME	COST	COST	RATIO	RATIO	COST	COST	RATIO	RATIO
				an the Arian			1. A.	1. A.	
85	ANTOINE LTD	\$182,452	\$155,576	0.1697	0.1081	\$144,131	\$143,629	0.2148	0.1170
88	BROADWAY LTD	\$123.620	\$0	0.1107	0.0000	\$89,837	\$0	0.1523	0.0000
89	YALE	\$191.344	\$304.842	0.1650	0.1115	\$157,890	\$276.754	0.2000	0.1229
93	GREENS ROAD	\$41.628	\$63.013	0.1151	0.0487	\$35,504	\$54,625	0.1350	0.0562
98	TEXAS SPECIAL BLUE	\$67.191	\$111.009	0.1961	0.2810	\$63,128	\$105.421	0.2088	0.2959
99	TEXAS SPECIAL RED	\$72,132	\$131,125	0.1633	0.3053	\$70,153	\$103,921	0.1679	0.3852
402	PAHCSHUTTLE	\$64,218	\$118,157	0.0000	0.0000	\$56,813	\$105.397	0 0000	0.0000
403	SAKSHUTTLE	\$70.326	\$110.175	0.0000	0.0000	\$62,174	\$98,111	0.0000	0.0000
404	NW SHI ITTI E	\$26,230	\$47.548	0.0000	0.0000	\$23.617	\$43 324	0.0000	0.0000
120	POST OAK SP.GOLD	\$0	\$61.369	0.0000	0.0060	\$0	\$60 473	0.0000	0.0061
421	POST OAK SP. GREEN	ŝõ	\$46 294	0.0000	0.0020	ŝ	\$45 570	0.0000	0.0001
441	SUPTOT WIKE LOC & SUTI	\$12 862 830	\$12 760 453	0.1935	0.1713	\$10 AA5 613	\$11 5/6 003	0.0000	0.10020
	SUBTOT WIRD LOOK SITTL	\$12,002,003	φ12,703, 1 00	0.1000	0.1710	φ10,440,010	\$11,040,030	0.2200	0.1054
10	WILDODERT EVD	\$215 2/5	60	0 1026	0.0000	\$159 779	¢∩	0 1446	0.0000
19	MODTLOUODE EVB	#210,240 #215 /00	COE CAA	0.1020	0.0000	\$102,770 \$165 907	¢00 100	0.1440	0.0000
21	NORTHSHORE EAF	#E10,405	\$120.002	0.1935	0.2235	\$100,007	\$00,122 \$105 100	0.2352	0.2413
31		4020,011 #452.077	\$120,993	0.1201	0.2410	\$305,733 \$355,733	\$105,122	0.1761	0.2774
32		\$400,977		0.1490	0.1606	\$333,423 \$55 154	\$104,790 ¢0	0.1910	0.1705
41	GARDEN VILLAS EXP	\$05,000 #1 400 500	#917 767	0.1045	0.0000	#35,154 #1.009.400		0.1312	0.0000
		\$1,402,322	\$317,707	0.1300	0.2221	\$1,030,430	\$290,040	0.1002	0.2440
					•		a sa si a		
					1 11050				UDED
				ATION INC					
		ALLOCATED	ALL DEPREC	PEAK	LUDED OFF-PEAK	ALLOCATED	NO DEPRECI	ATION INCI PEAK	UDED OFF-PEAK
		ALLOCATED PEAK	ALL DEPREC ALLOCATED OFF-PEAK	PEAK REV/COST	LUDED OFF-PEAK REV/COST	ALLOCATED PEAK	NO DEPRECI ALLOCATED OFF-PEAK	ATION INCI PEAK REV/COST	OFF-PEAK REV/COST
NO.		ALLOCATED PEAK COST	ALL DEPREC ALLOCATED OFF-PEAK COST	IATION INC PEAK REV/COST RATIO	LUDED OFF-PEAK REV/COST RATIO	ALLOCATED PEAK COST	NO DEPRECI ALLOCATED OFF-PEAK COST	ATION INCI PEAK REV/COST RATIO	UDED OFF-PEAK REV/COST RATIO
NO.	ROUTE NAME WEEKDAY P&R	ALLOCATED PEAK COST	ALL DEPREC ALLOCATED OFF-PEAK COST	ATION INC PEAK REV/COST RATIO	LUDED OFF-PEAK REV/COST RATIO	ALLOCATED PEAK COST	NO DEPRECI ALLOCATED OFF-PEAK COST	ATION INCI PEAK REV/COST RATIO	OFF-PEAK REV/COST RATIO
NO. 59	ROUTE NAME WEEKDAY P&R SOUTHWEST FRY P&R	ALLOCATED PEAK COST \$95,116	ALL DEPREC ALLOCATED OFF-PEAK COST	ATION INC PEAK REV/COST RATIO 0.2583	LUDED OFF-PEAK REV/COST RATIO 0.0000	ALLOCATED PEAK COST \$63,633	NO DEPRECI ALLOCATED OFF-PEAK COST	ATION INCI PEAK REV/COST RATIO 0.3861	UDED OFF-PEAK REV/COST RATIO 0.0000
NO. 59 201	ROUTE NAME WEEKDAY P&R SOUTHWEST FRY P&R NORTH SHEPHERD P&R	A ALLOCATED PEAK COST \$95,116 \$500,030	ALL DEPREC ALLOCATED OFF-PEAK COST \$0 \$0	ATION INC PEAK REV/COST RATIO 0.2583 0.2050	LUDED OFF-PEAK REV/COST RATIO 0.0000 0.0000	ALLOCATED PEAK COST \$63,633 \$284,560	NO DEPRECI ALLOCATED OFF-PEAK COST \$0 \$0	ATION INCI PEAK REV/COST RATIO 0.3861 0.3603	UDED OFF-PEAK REV/COST RATIO 0.0000 0.0000
NO. 59 201 202	ROUTE NAME WEEKDAY P&R SOUTHWEST FRY P&R NORTH SHEPHERD P&R KUYKENDAHL P&R	A ALLOCATED PEAK COST \$95,116 \$500,030 \$1,313,401	ALL DEPREC ALLOCATED OFF-PEAK COST \$0 \$0 \$94,262	ATION INC PEAK REV/COST RATIO 0.2583 0.2050 0.3311	LUDED OFF-PEAK REV/COST RATIO 0.0000 0.0000 0.5986	ALLOCATED PEAK COST \$63,633 \$284,560 \$768,340	NO DEPRECI ALLOCATED OFF-PEAK COST \$0 \$0 \$72,477	ATION INCI PEAK REV/COST RATIO 0.3861 0.3603 0.5661	UDED OFF-PEAK REV/COST RATIO 0.0000 0.0000 0.7786
NO. 59 201 202 206	ROUTE NAME WEEKDAY P&R SOUTHWEST FRY P&R NORTH SHEPHERD P&R KUYKENDAHL P&R EASTEX P&R	A ALLOCATED PEAK COST \$95,116 \$500,030 \$1,313,401 \$287,619	ALL DEPREC ALLOCATED OFF-PEAK COST \$0 \$94,262 \$96,238	ATION INC PEAK REV/COST RATIO 0.2583 0.2050 0.3311 0.2292	LUDED OFF-PEAK REV/COST RATIO 0.0000 0.0000 0.5986 0.0886	ALLOCATED PEAK COST \$63,633 \$284,560 \$768,340 \$209,395	NO DEPRECI ALLOCATED OFF-PEAK COST \$0 \$72,477 \$78,196	ATION INCI PEAK REV/COST RATIO 0.3861 0.3603 0.5661 0.3148	UDED OFF-PEAK REV/COST RATIO 0.0000 0.0000 0.7786 0.1091
NO. 59 201 202 206 210	ROUTE NAME WEEKDAY P&R SOUTHWEST FRY P&R NORTH SHEPHERD P&R KUYKENDAHL P&R EASTEX P&R KATY-W. BELT P&R	A ALLOCATED PEAK COST \$95,116 \$500,030 \$1,313,401 \$287,619 \$199,009	ALL DEPREC ALLOCATED OFF-PEAK COST \$0 \$94,262 \$96,238 \$86,455	ATION INC PEAK REV/COST RATIO 0.2583 0.2050 0.3311 0.2292 0.2060	LUDED OFF-PEAK REV/COST RATIO 0.0000 0.0000 0.5986 0.0886 0.0886	ALLOCATED PEAK COST \$63,633 \$284,560 \$768,340 \$209,395 \$120,223	NO DEPRECI ALLOCATED OFF-PEAK COST \$0 \$0 \$72,477 \$78,196 \$61,181	ATION INCI PEAK REV/COST RATIO 0.3861 0.3603 0.5661 0.3148 0.3411	UDED OFF-PEAK REV/COST RATIO 0.0000 0.0000 0.7786 0.1091 0.0938
NO. 59 201 202 206 210 214	ROUTE NAME WEEKDAY P&R SOUTHWEST FRY P&R NORTH SHEPHERD P&R KUYKENDAHL P&R EASTEX P&R KATY-W. BELT P&R NORTHWEST P&R	A ALLOCATED PEAK COST \$95,116 \$500,030 \$1,313,401 \$287,619 \$199,009 \$255,380	ALL DEPREC ALLOCATED OFF-PEAK COST \$0 \$94,262 \$96,238 \$86,455 \$0	ATION INC PEAK REV/COST RATIO 0.2583 0.2050 0.3311 0.2292 0.2060 0.3011	LUDED OFF-PEAK REV/COST RATIO 0.0000 0.5986 0.0886 0.0886 0.0664 0.0000	ALLOCATED PEAK COST \$63,633 \$284,560 \$768,340 \$209,395 \$120,223 \$201,470	NO DEPRECI ALLOCATED OFF-PEAK COST \$0 \$0 \$72,477 \$78,196 \$61,181 \$0	ATION INCI PEAK REV/COST RATIO 0.3861 0.3603 0.5661 0.3148 0.3411 0.3817	UDED OFF-PEAK REV/COST RATIO 0.0000 0.0000 0.7786 0.1091 0.0938 0.0000
NO. 59 201 202 206 210 214 228	ROUTE NAME WEEKDAY P&R SOUTHWEST FRY P&R NORTH SHEPHERD P&R KUYKENDAHL P&R EASTEX P&R KATY-W. BELT P&R NORTHWEST P&R ADDICKS P&R	A ALLOCATED PEAK COST \$95,116 \$500,030 \$1,313,401 \$287,619 \$199,009 \$255,380 \$510,744	ALL DEPREC ALLOCATED OFF-PEAK COST \$0 \$94,262 \$96,238 \$86,455 \$0 \$0	ATION INC PEAK REV/COST RATIO 0.2583 0.2050 0.3311 0.2292 0.2060 0.3011 0.2025	LUDED OFF-PEAK REV/COST RATIO 0.0000 0.5986 0.0886 0.0886 0.0664 0.0000 0.0000	ALLOCATED PEAK COST \$63,633 \$284,560 \$768,340 \$209,395 \$120,223 \$201,470 \$308,801	NO DEPRECI ALLOCATED OFF-PEAK COST \$0 \$0 \$72,477 \$78,196 \$61,181 \$0 \$0	ATION INCI PEAK REV/COST RATIO 0.3861 0.3603 0.5661 0.3148 0.3411 0.3817 0.3349	UDED OFF-PEAK REV/COST RATIO 0.0000 0.7786 0.1091 0.0938 0.0000 0.0000
NO. 59 201 202 206 210 214 228 236	ROUTE NAME WEEKDAY P&R SOUTHWEST FRY P&R NORTH SHEPHERD P&R KUYKENDAHL P&R EASTEX P&R KATY-W. BELT P&R NORTHWEST P&R ADDICKS P&R MAXEY P&R	A ALLOCATED PEAK COST \$95,116 \$500,030 \$1,313,401 \$287,619 \$199,009 \$255,380 \$510,744 \$138,616	ALL DEPREC ALLOCATED OFF-PEAK COST \$0 \$94,262 \$96,238 \$86,455 \$0 \$0 \$0	ATION INC PEAK REV/COST RATIO 0.2583 0.2050 0.3311 0.2292 0.2060 0.3011 0.2025 0.1355	LUDED OFF-PEAK REV/COST RATIO 0.0000 0.5986 0.0886 0.0886 0.0664 0.0000 0.0000 0.0000	ALLOCATED PEAK COST \$63,633 \$284,560 \$768,340 \$209,395 \$120,223 \$201,470 \$308,801 \$93,004	NO DEPRECI ALLOCATED OFF-PEAK COST \$0 \$72,477 \$78,196 \$61,181 \$0 \$0 \$0	ATION INCI PEAK REV/COST RATIO 0.3861 0.3603 0.5661 0.3663 0.3411 0.3411 0.3817 0.3349 0.2020	UDED OFF-PEAK REV/COST RATIO 0.0000 0.7786 0.1091 0.0938 0.0000 0.0000 0.0000
NO. 59 201 202 206 210 214 228 236 245	ROUTE NAME WEEKDAY P&R SOUTHWEST FRY P&R NORTH SHEPHERD P&R KUYKENDAHL P&R EASTEX P&R KATY-W. BELT P&R NORTHWEST P&R ADDICKS P&R MAXEY P&R EDGEBROOK P&R	A ALLOCATED PEAK COST \$95,116 \$500,030 \$1,313,401 \$287,619 \$199,009 \$255,380 \$510,744 \$138,616 \$378,155	ALL DEPREC ALLOCATED OFF-PEAK COST \$0 \$94,262 \$96,238 \$86,455 \$0 \$0 \$0 \$0 \$0 \$0	ATION INC PEAK REV/COST RATIO 0.2583 0.2050 0.3311 0.2292 0.2060 0.3011 0.2025 0.3361	LUDED OFF-PEAK REV/COST RATIO 0.0000 0.5986 0.0886 0.0664 0.0000 0.0000 0.0000 0.0000 0.2046	ALLOCATED PEAK COST \$63,633 \$284,560 \$768,340 \$209,395 \$120,223 \$201,470 \$308,801 \$93,004 \$247,447	NO DEPRECI ALLOCATED OFF-PEAK COST \$0 \$0 \$72,477 \$78,196 \$61,181 \$0 \$0 \$0 \$0 \$49,113	ATION INCI PEAK REV/COST RATIO 0.3861 0.3603 0.5661 0.3148 0.3148 0.3148 0.3411 0.3817 0.3349 0.2020 0.5136	UDED OFF-PEAK REV/COST RATIO 0.0000 0.7786 0.1091 0.0938 0.0000 0.0000 0.0000 0.0000 0.2877
NO. 59 201 202 206 210 214 228 236 245 261	ROUTE NAME WEEKDAY P&R SOUTHWEST FRY P&R NORTH SHEPHERD P&R KUYKENDAHL P&R EASTEX P&R KATY-W. BELT P&R NORTHWEST P&R ADDICKS P&R MAXEY P&R EDGEBROOK P&R WEST LOOP P&R	ALLOCATED PEAK COST \$95,116 \$500,030 \$1,313,401 \$287,619 \$199,009 \$255,380 \$510,744 \$138,616 \$378,155 \$262,633	ALL DEPREC ALLOCATED OFF-PEAK COST \$0 \$94,262 \$96,238 \$86,455 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	ATION INC PEAK REV/COST RATIO 0.2583 0.2050 0.3311 0.2292 0.2060 0.3011 0.2025 0.3361 0.2175	LUDED OFF-PEAK REV/COST RATIO 0.0000 0.5986 0.0886 0.0664 0.0000 0.0000 0.0000 0.2046 0.0000	ALLOCATED PEAK COST \$63,633 \$284,560 \$768,340 \$209,395 \$120,223 \$201,470 \$308,801 \$93,004 \$247,447 \$188,742	NO DEPRECI ALLOCATED OFF-PEAK COST \$0 \$0 \$72,477 \$78,196 \$61,181 \$0 \$0 \$0 \$49,113 \$0	ATION INCI PEAK REV/COST RATIO 0.3861 0.3603 0.5661 0.3148 0.3411 0.3817 0.3349 0.2020 0.5136 0.3026	UDED OFF-PEAK REV/COST RATIO 0.0000 0.7786 0.1091 0.0938 0.0000 0.0000 0.0000 0.0000 0.2877 0.0000
NO. 59 201 202 210 214 228 236 245 261 262	ROUTE NAME WEEKDAY P&R SOUTHWEST FRY P&R NORTH SHEPHERD P&R KUYKENDAHL P&R EASTEX P&R KATY-W. BELT P&R NORTHWEST P&R ADDICKS P&R MAXEY P&R EDGEBROOK P&R WEST LOOP P&R WEST LOOP P&R	A ALLOCATED PEAK COST \$95,116 \$500,030 \$1,313,401 \$1287,619 \$199,009 \$255,380 \$510,744 \$138,616 \$378,155 \$262,633 \$343,752	ALL DEPREC ALLOCATED OFF-PEAK COST \$0 \$94,262 \$96,238 \$86,455 \$0 \$0 \$0 \$0 \$0 \$0 \$47,090	ATION INC PEAK REV/COST RATIO 0.2583 0.2050 0.3311 0.2292 0.2060 0.3011 0.2025 0.1355 0.3361 0.2175 0.2716	LUDED OFF-PEAK REV/COST RATIO 0.0000 0.5986 0.0686 0.0664 0.0000 0.0000 0.0000 0.2046 0.0000 0.2793	ALLOCATED PEAK COST \$63,633 \$284,560 \$768,340 \$209,395 \$120,223 \$201,470 \$308,801 \$93,004 \$247,447 \$188,742 \$249,940	NO DEPRECI ALLOCATED OFF-PEAK COST \$0 \$72,477 \$78,196 \$61,181 \$0 \$0 \$0 \$49,113 \$0 \$49,113 \$0 \$44,926	ATION INCI PEAK REV/COST RATIO 0.3861 0.3603 0.5661 0.3148 0.3411 0.3349 0.2020 0.5136 0.3026 0.3736	UDED OFF-PEAK REV/COST RATIO 0.0000 0.7786 0.1091 0.0938 0.0000 0.0000 0.0000 0.0000 0.2877 0.0000 0.3138
NO. 59 201 202 206 210 214 228 236 245 261 262 263	ROUTE NAME WEEKDAY P&R SOUTHWEST FRY P&R NORTH SHEPHERD P&R KUYKENDAHL P&R EASTEX P&R KATY-W. BELT P&R NORTHWEST P&R ADDICKS P&R MAXEY P&R EDGEBROOK P&R WEST LOOP P&R WEST LOOP P&R WESTWOOD P&R ALIEF P&R	A ALLOCATED PEAK COST \$95,116 \$500,030 \$1,313,401 \$1287,619 \$199,009 \$255,380 \$510,744 \$138,616 \$378,155 \$262,633 \$343,752 \$306,967	ALL DEPREC ALLOCATED OFF-PEAK COST \$0 \$94,262 \$96,238 \$86,455 \$0 \$0 \$0 \$69,065 \$0 \$47,090 \$0	ATION INC PEAK REV/COST RATIO 0.2583 0.2050 0.3311 0.2292 0.2060 0.3011 0.2025 0.1355 0.3361 0.2175 0.2716 0.2140	LUDED OFF-PEAK REV/COST RATIO 0.0000 0.0000 0.5986 0.0684 0.0664 0.0000 0.0000 0.2046 0.0000 0.2793 0.0000	ALLOCATED PEAK COST \$63,633 \$284,560 \$768,340 \$209,395 \$120,223 \$201,470 \$308,801 \$93,004 \$247,447 \$188,742 \$249,940 \$213,007	NO DEPRECI ALLOCATED OFF-PEAK COST \$0 \$72,477 \$78,196 \$61,181 \$0 \$0 \$0 \$49,113 \$0 \$49,113 \$0 \$41,926 \$0	ATION INCI PEAK REV/COST RATIO 0.3861 0.3603 0.5661 0.3148 0.3411 0.3817 0.3349 0.2020 0.5136 0.3026 0.3736 0.3085	UDED OFF-PEAK REV/COST RATIO 0.0000 0.7786 0.1091 0.0938 0.0000 0.0000 0.0000 0.2877 0.0000 0.3138 0.0000
NO. 59 201 202 206 210 214 228 236 245 261 262 263 284	ROUTE NAME WEEKDAY P&R SOUTHWEST FRY P&R NORTH SHEPHERD P&R KUYKENDAHL P&R EASTEX P&R KATY-W. BELT P&R NORTHWEST P&R ADDICKS P&R MAXEY P&R EDGEBROOK P&R WEST LOOP P&R WEST LOOP P&R WESTWOOD P&R ALIEF P&R SPRING-W. LAKE P&R	A ALLOCATED PEAK COST \$95,116 \$500,030 \$1,313,401 \$287,619 \$199,009 \$255,380 \$510,744 \$138,616 \$378,155 \$262,633 \$343,752 \$306,967 \$117,792	ALL DEPREC ALLOCATED OFF-PEAK COST \$0 \$94,262 \$96,238 \$86,455 \$0 \$69,065 \$0 \$47,090 \$0 \$0 \$0	ATION INC PEAK REV/COST RATIO 0.2583 0.2050 0.3311 0.2292 0.2060 0.3011 0.2025 0.1355 0.3361 0.2175 0.2716 0.2140 0.1166	LUDED OFF-PEAK REV/COST RATIO 0.0000 0.5986 0.0886 0.0886 0.0664 0.0000 0.0000 0.2046 0.0000 0.2793 0.0000 0.0000	ALLOCATED PEAK COST \$63,633 \$284,560 \$768,340 \$209,395 \$120,223 \$201,470 \$308,801 \$93,004 \$247,447 \$188,742 \$249,940 \$213,007 \$89,965	NO DEPRECI ALLOCATED OFF-PEAK COST \$0 \$72,477 \$78,196 \$61,181 \$0 \$0 \$0 \$0 \$49,113 \$0 \$49,113 \$0 \$49,113 \$0 \$41,926 \$0 \$0 \$0	ATION INCI PEAK REV/COST RATIO 0.3861 0.3603 0.5661 0.3148 0.3411 0.3817 0.3349 0.2020 0.5136 0.3026 0.3736 0.3085 0.1527	UDED OFF-PEAK REV/COST RATIO 0.0000 0.7786 0.1091 0.0938 0.0000 0.0000 0.0000 0.2877 0.0000 0.3138 0.0000 0.3138
NO. 59 201 202 206 210 214 228 236 245 261 262 263 284 291	ROUTE NAME WEEKDAY P&R SOUTHWEST FRY P&R NORTH SHEPHERD P&R KUYKENDAHL P&R EASTEX P&R KATY-W. BELT P&R NORTHWEST P&R ADDICKS P&R EDGEBROOK P&R WEST LOOP P&R WEST LOOP P&R WEST LOOP P&R WEST LOOP P&R SPRING-W. LAKE P&R NORTH SHEPHERD P&R	ALLOCATED PEAK COST \$95,116 \$500,030 \$1,313,401 \$287,619 \$199,009 \$255,380 \$510,744 \$138,616 \$378,155 \$262,633 \$343,752 \$306,967 \$117,792 \$106,136	ALL DEPREC ALLOCATED OFF-PEAK COST \$0 \$94,262 \$96,238 \$86,455 \$0 \$0 \$69,065 \$0 \$47,090 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	ATION INC PEAK REV/COST RATIO 0.2583 0.2050 0.3311 0.2292 0.2060 0.3011 0.2025 0.1355 0.3361 0.2175 0.2716 0.2140 0.1166 0.1979	LUDED OFF-PEAK REV/COST RATIO 0.0000 0.5986 0.0886 0.0886 0.0664 0.0000 0.0000 0.2046 0.0000 0.2793 0.0000 0.0000 0.0000	ALLOCATED PEAK COST \$63,633 \$284,560 \$768,340 \$209,395 \$120,223 \$201,470 \$308,801 \$93,004 \$247,447 \$188,742 \$249,940 \$213,007 \$89,965 \$74,766	NO DEPRECI ALLOCATED OFF-PEAK COST \$0 \$72,477 \$78,196 \$61,181 \$0 \$60 \$0 \$0 \$49,113 \$0 \$49,113 \$0 \$49,113 \$0 \$49,113 \$0 \$40,50 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	ATION INCI PEAK REV/COST RATIO 0.3861 0.3603 0.5661 0.3148 0.3411 0.3817 0.3349 0.3049 0.3020 0.5136 0.3026 0.3736 0.3085 0.1527 0.2810	UDED OFF-PEAK REV/COST RATIO 0.0000 0.7786 0.1091 0.0938 0.0000 0.0000 0.0000 0.2877 0.0000 0.3138 0.0000 0.3138 0.0000 0.0000 0.0000
NO. 59 201 202 206 210 214 228 236 245 261 262 263 284 291	ROUTE NAME WEEKDAY P&R SOUTHWEST FRY P&R NORTH SHEPHERD P&R KUYKENDAHL P&R EASTEX P&R KATY-W. BELT P&R NORTHWEST P&R ADDICKS P&R EDGEBROOK P&R WEST LOOP P&R WEST LOOP P&R WEST LOOP P&R WEST LOOP P&R SPRING-W. LAKE P&R NORTH SHEPHERD P&R SUBTOTAL METRO P&R	ALLOCATED PEAK COST \$95,116 \$500,030 \$1,313,401 \$287,619 \$199,009 \$255,380 \$510,744 \$138,616 \$378,155 \$262,633 \$343,752 \$306,967 \$117,792 \$106,136 \$4,815,350	ALL DEPREC ALLOCATED OFF-PEAK COST \$0 \$94,262 \$96,238 \$86,455 \$0 \$0 \$69,065 \$0 \$47,090 \$0 \$47,090 \$0 \$0 \$0 \$0 \$0 \$0 \$0	ATION INC PEAK REV/COST RATIO 0.2583 0.2050 0.3311 0.2292 0.2060 0.3011 0.2025 0.3361 0.2175 0.3361 0.2175 0.2716 0.2140 0.1166 0.1979 0.2588	LUDED OFF-PEAK REV/COST RATIO 0.0000 0.5986 0.0886 0.0664 0.0000 0.0000 0.2046 0.0000 0.2246 0.0000 0.2793 0.0000 0.2793 0.0000 0.0000 0.0000 0.0000 0.3442	ALLOCATED PEAK COST \$63,633 \$284,560 \$768,340 \$209,395 \$120,223 \$201,470 \$308,801 \$93,004 \$247,447 \$188,742 \$249,940 \$213,007 \$89,965 \$74,766 \$3,113,293	NO DEPRECI ALLOCATED OFF-PEAK COST \$0 \$72,477 \$78,196 \$61,181 \$0 \$0 \$49,113 \$0 \$49,113 \$0 \$49,113 \$0 \$49,113 \$0 \$49,50 \$0 \$41,926 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	ATION INCI PEAK REV/COST RATIO 0.3861 0.3603 0.5661 0.3148 0.3411 0.3817 0.3349 0.2020 0.5136 0.3026 0.3736 0.3085 0.1527 0.2810 0.4002	UDED OFF-PEAK REV/COST RATIO 0.0000 0.7786 0.1091 0.0938 0.0000 0.0000 0.0000 0.2877 0.0000 0.3138 0.0000 0.3138 0.0000 0.3138
NO. 59 201 202 206 210 214 228 236 245 261 262 263 284 291 221	ROUTE NAME WEEKDAY P&R SOUTHWEST FRY P&R NORTH SHEPHERD P&R KUYKENDAHL P&R EASTEX P&R KATY-W. BELT P&R NORTHWEST P&R ADDICKS P&R ADDICKS P&R EDGEBROOK P&R WEST LOOP P&R WEST LOOP P&R WEST LOOP P&R WEST LOOP P&R SPRING-W. LAKE P&R NORTH SHEPHERD P&R SUBTOTAL METRO P&R KATY-MASON P&R	ALLOCATED PEAK COST \$95,116 \$500,030 \$1,313,401 \$287,619 \$199,009 \$255,380 \$510,744 \$138,616 \$378,155 \$262,633 \$343,752 \$306,967 \$117,792 \$106,136 \$4,815,350 \$264,752	ALL DEPREC ALLOCATED OFF-PEAK COST \$0 \$94,262 \$96,238 \$86,455 \$0 \$0 \$69,065 \$0 \$69,065 \$0 \$47,090 \$0 \$47,090 \$0 \$47,090 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	ATION INC PEAK REV/COST RATIO 0.2583 0.2050 0.3311 0.2292 0.2060 0.3011 0.2025 0.1355 0.3361 0.2175 0.2716 0.2140 0.1166 0.1979 0.2588 0.2120	LUDED OFF-PEAK REV/COST RATIO 0.0000 0.5986 0.0886 0.0664 0.0000 0.0000 0.2046 0.0000 0.2046 0.0000 0.2793 0.0000 0.0000 0.0000 0.0000 0.0000 0.3442 0.0000	ALLOCATED PEAK COST \$63,633 \$284,560 \$768,340 \$209,395 \$120,223 \$201,470 \$308,801 \$93,004 \$247,447 \$188,742 \$249,940 \$213,007 \$89,965 \$74,766 \$3,113,293 \$176,571	NO DEPRECI ALLOCATED OFF-PEAK COST \$0 \$0 \$72,477 \$78,196 \$61,181 \$0 \$0 \$49,113 \$0 \$49,113 \$0 \$49,113 \$0 \$49,113 \$0 \$49,113 \$0 \$49,113 \$0 \$49,113 \$0 \$49,113 \$0 \$49,113 \$0 \$40,50 \$0 \$40,50 \$0 \$40,50 \$0 \$40,50 \$0 \$40,50 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	ATION INCI PEAK REV/COST RATIO 0.3861 0.3603 0.5661 0.3148 0.3411 0.3817 0.3349 0.2020 0.5136 0.3026 0.3736 0.3085 0.1527 0.2810 0.4002 0.3178	UDED OFF-PEAK REV/COST RATIO 0.0000 0.7786 0.1091 0.0938 0.0000 0.0000 0.2877 0.0000 0.3138 0.0000 0.3138 0.0000 0.3138 0.0000 0.0000 0.4467 0.0000
NO. 59 201 202 206 210 214 228 245 245 261 261 263 284 291 221 221	ROUTE NAME WEEKDAY P&R SOUTHWEST FRY P&R NORTH SHEPHERD P&R KUYKENDAHL P&R EASTEX P&R KATY-W. BELT P&R NORTHWEST P&R ADDICKS P&R MAXEY P&R EDGEBROOK P&R WEST LOOP P&R WEST LOOP P&R WEST LOOP P&R SUBTOAL METRO P&R SUBTOTAL METRO P&R SUBTOTAL METRO P&R KATY-MASON P&R KINGSLAND P&R	A ALLOCATED PEAK COST \$95,116 \$500,030 \$1,313,401 \$287,619 \$199,009 \$255,380 \$510,744 \$138,616 \$378,155 \$262,633 \$343,752 \$306,967 \$117,792 \$106,136 \$4,815,350 \$264,752 \$81,793	ALL DEPREC ALLOCATED OFF-PEAK COST \$0 \$94,262 \$96,238 \$86,455 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	ATION INC PEAK REV/COST RATIO 0.2583 0.2050 0.3311 0.2292 0.2060 0.3011 0.2025 0.1355 0.3361 0.2175 0.2716 0.2140 0.1166 0.1979 0.2588 0.2120 0.1929	LUDED OFF-PEAK REV/COST RATIO 0.0000 0.5986 0.0886 0.0664 0.0000 0.0000 0.2046 0.0000 0.2046 0.0000 0.2793 0.0000 0.0000 0.0000 0.3442 0.0000 0.3442	ALLOCATED PEAK COST \$63,633 \$284,560 \$768,340 \$209,395 \$120,223 \$201,470 \$308,801 \$93,004 \$247,447 \$188,742 \$249,940 \$213,007 \$89,965 \$74,766 \$3,113,293 \$176,571 \$52,505	NO DEPRECI ALLOCATED OFF-PEAK COST \$0 \$0 \$72,477 \$78,196 \$61,181 \$0 \$0 \$49,113 \$0 \$49,113 \$0 \$449,113 \$0 \$449,113 \$0 \$449,113 \$0 \$49,113 \$0 \$49,113 \$0 \$49,113 \$0 \$40,50 \$0 \$40,50 \$0 \$40,50 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	ATION INCI PEAK REV/COST RATIO 0.3861 0.3603 0.5661 0.3148 0.3411 0.3817 0.3349 0.2020 0.5136 0.3026 0.3736 0.3085 0.1527 0.2810 0.4002 0.3178 0.3005	UDED OFF-PEAK REV/COST RATIC 0.0000 0.7786 0.1091 0.0938 0.0000 0.0000 0.2877 0.0000 0.3138 0.0000 0.3138 0.0000 0.3138 0.0000 0.0000 0.4467 0.0000 0.0000
NO. 59 201 202 206 210 214 228 236 245 261 263 284 291 221 221 221 221	ROUTE NAME WEEKDAY P&R SOUTHWEST FRY P&R NORTH SHEPHERD P&R KUYKENDAHL P&R EASTEX P&R KATY-W. BELT P&R NORTHWEST P&R ADDICKS P&R MAXEY P&R EDGEBROOK P&R WEST LOOP P&R WEST LOOP P&R WEST LOOP P&R WEST LOOP P&R SUBTOTAL METRO P&R SPRING-W. LAKE P&R SUBTOTAL METRO P&R KATY-MASON P&R KATY-MASON P&R KATY/FRY P&R	A ALLOCATED PEAK COST \$95,116 \$500,030 \$1,313,401 \$287,619 \$199,009 \$255,380 \$510,744 \$138,616 \$378,155 \$262,633 \$343,752 \$306,967 \$117,792 \$106,136 \$4,815,350 \$264,752 \$81,793 \$38,796	ALL DEPREC ALLOCATED OFF-PEAK COST \$0 \$94,262 \$96,238 \$86,455 \$0 \$0 \$0 \$0 \$0 \$0 \$47,090 \$0 \$47,090 \$0 \$393,110 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	ATION INC PEAK REV/COST RATIO 0.2583 0.2050 0.3311 0.2292 0.2060 0.3011 0.2025 0.1355 0.3361 0.2175 0.2716 0.2140 0.1166 0.1979 0.2588 0.2120 0.1929 0.1312	LUDED OFF-PEAK REV/COST RATIO 0.0000 0.5986 0.0886 0.0664 0.0000 0.0000 0.2046 0.0000 0.2793 0.0000 0.2793 0.0000 0.0000 0.3442 0.0000 0.3442 0.0000 0.0000	ALLOCATED PEAK COST \$63,633 \$284,560 \$768,340 \$209,395 \$120,223 \$201,470 \$308,801 \$93,004 \$247,447 \$188,742 \$249,940 \$213,007 \$89,965 \$74,766 \$3,113,293 \$176,571 \$52,505 \$26,176	NO DEPRECI ALLOCATED OFF-PEAK COST \$0 \$72,477 \$78,196 \$61,181 \$0 \$49,113 \$0 \$49,113 \$0 \$41,926 \$0 \$302,893 \$0 \$302,893 \$0 \$0 \$0 \$302,893 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	ATION INCI PEAK REV/COST RATIO 0.3861 0.3603 0.5661 0.3663 0.3663 0.348 0.3411 0.3817 0.3349 0.2020 0.5136 0.3026 0.3736 0.3026 0.3736 0.3085 0.1527 0.2810 0.4002 0.3178 0.3005 0.1945	UDED OFF-PEAK REV/COST RATIC 0.0000 0.0000 0.7786 0.1091 0.0938 0.0000 0.0000 0.0000 0.2877 0.0000 0.3138 0.0000 0.3138 0.0000 0.0000 0.4467 0.0000 0.0000 0.0000

52

0.0000

0.0000

0.4157

\$176,245

\$514,390

\$3,627,683

\$0

\$0

\$302,893

0.4458

0.3531

0.3935

0.0000

0.0000

0.5396

\$0 \$0

\$0

\$393,110

0.2839

0.2313

0.2549

\$276,745

\$785,035

SUBTOTAL

TOTAL METRO P&R \$5,600,385

204 SPRING P&R

27

	AVG	AVG	ADJ	ALLOCATED	ALLOCATED	ALLOCATED	DAILY	DAILY	DAILY	DAILY	DAILY
	WKDAY	WKDAY	TOTAL	COST WITH	COST WITH	COST WITH	SCHEDULED	SCHEDULED	SCHEDULED	REVENUE	REVENUE
NO BOUTTE NAME	PAX	REV PAX	REVENUE	ALL DEPRC	VEH DEPRC	NO DEPRC	VEHICLE MI	VEHICLE HR	PAY HOURS	MILES	HOURS
BOUTES USING TWA	Y										
107 FM 1960	648	624	\$29,090	\$123,621	\$94,896	\$82,783	1233.28	48.433	57.283	808.40	34.150
107 FM 1960-C	539	521	\$40,005	\$141,866	\$109,133					808.40	30.033
201 NORTH SHEPHERD P&R	1,513	1,472	\$105,929	\$515,156	\$342,201	\$289,710	1382.09	58.500	71.117	791.90	31.534
202 KUYKENDAHL P&R	4,145	4,028	\$491,357	\$1,418,254	\$978,908	\$846,168	4430.01	176.506	198.925	2962.73	106.046
204 SPRING P&R	1,982	1,934	\$88,015	\$281,559	\$201,293	\$177,067	2793.94	95.650	102.167	1779.86	65.716
204 SPRING P&R-C	1,819	1,758	\$134,996	\$337,364	\$233,939		· .			1779.90	58.317
210 KATY-W. BELT P&R	570) 556	\$46,743	\$265,022	\$197,284	\$177,095	988.23	40.155	42.902	829.57	31.057
212 SETON LAKE P&R	1.616	5 1,561	\$161,117	\$465,524	\$325,835			<i>i</i>		1257.40	53.467
221 KATY-MASON P&R	697	7 669	\$69,064	\$264,266	\$193,679	\$172,481	1354.04	45.817	53.067	1132.36	32.651
221 KINGSI AND P&B	551	534	\$18,133	\$83,328	\$59,905	\$52,839	1262.50	39.650	46.983	799.16	27.850
227 KATY/FRY P&R	166	5 159	\$5,418	\$39,355	\$29,281	\$26,253	695.94	19.017	21.250	511.17	14.523
228 ADDICKS P&B	1.173	3 1.149	\$116,221	\$521,178	\$359,823	\$310,865	1832.45	55.167	65.748	1318.85	38.763
QUARTERLY TOTA	L 779,466	5 756,765	\$1,306,087	\$4,456,493	\$3,126,177	\$2,135,261	745,480	27,737	31,702	699,237	24,871
ROUTES NOT USING TW	Y									000.66	10.400
59 SOUTHWEST FRY P&R	398	3 379	\$26,376	\$96,350	\$75,901	\$63,788	314.56	14.150) 10.300	232.00	10.499
205 KINGWOOD P&R	1,248	3 1,206	\$167,432	\$362,900	\$318,909				70.000	1461.40	04.203
206 EASTEX P&R	954	4 884	\$74,439	\$372,982	\$316,562	\$284,260	1638.46	65.167	/2.083	1202.00	47,000
214 NORTHWEST P&R	861	1 834	\$84,146	\$258,976	\$223,576	\$203,387	1278.47	42.73	5 51./83	945.50	31.300
236 MAXEY P&R	27	6 237	\$19,281	\$121,141	\$100,273	\$88,160	460.28	20.23	3 23.833	3/2.//	15.019
245 EDGEBROOK P&R	1,773	3 1,710	\$141,217	' \$435,94 1	\$346,793	\$294,303	1373.84	69.100	0 80.383	1006.02	51.033
246 BAY AREA P&R	1,25	7 1,215	\$149,285	5 \$345,283	\$304,352					1321.30	51.950
261 WEST LOOP P&R	1,023	3 994	\$59,615	5 \$265,892	\$217,634	\$189,370	1058.22	40.91	46.817	/95.30	28.034
262 WESTWOOD P&R	1,33	1 1,289	\$106,530) \$391,129	\$328,126	\$291,786	1648.48	66.500) /4.06/	1092.30	42.169
263 ALIEF P&R	86	4 838	\$70,351	\$313,048	\$251,251	\$214,912	1072.48	48.98	56.650	528.52	20.807
270 MISSOURI CITY P&R	54	7 529	\$45,463	\$178,119	\$153,230		·			454.40	26.350
284 SPRING-W, LAKE P&R	13	0 128	\$15,843	\$119,402	\$107,391	\$91,240	563.35	5 18.898	3 22.531	248.55	9.297
291 NORTH SHEPHERD P&F	27	7 263	\$23,321	\$106,897	\$86,217	\$74,104	364.05	5 17.50) 19.833	199.50	9.421
OLIARTERI Y TOTA	1. 700.14	3 672.380	983.30	0 \$3,368,060	\$2,830,214	\$1,795,310		a sea tradition		634,894	25,895

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		ALL	OCATED CO	ST WITH AI	LL DEPRC	PER	ALLC	CATED CO	ST WITH VE	H DEPRC	DEB
NO.	TYPE ROUTE NAME	VEH MI	VEH HR	PAY HR	REV MI	REVHR	VEH MI	VEHHR	PAYHR	REV MI	BEV HB
407	ROUTES USING TWAY						1 - 2 ¹¹ - 2				
107	FM 1960	\$4.18	\$106.35	\$89.92	\$6.37	\$150.83	\$3.21	\$81.64	\$69.03	\$4 89	\$115 78
107	FM 1960				\$4.39	\$118.09		•		\$3.37	NR 002
201	NORTH SHEPHERD P&R	\$5.82	\$137.60	\$113.18	\$10.16	\$255.26	\$3.87	\$91.40	\$75.18	\$6.75	\$169.56
202	KUYKENDAHL P&R	\$5.00	\$125.55	\$111.40	\$7.48	\$208.97	\$3.45	\$86.66	\$76.89	\$5.16	\$144.93
204	SPRING P&R	\$4.20	\$122.65	\$114.83	\$6.59	\$178.52	\$3.00	\$87.69	\$82.09	\$4 71	\$127.62
204	SPRING P&R		· · ·		\$4.74	\$144.63	+		402.00	\$2.20	\$100.00
210	KATY-W. BELT P&R	\$4.19	\$103.13	\$96.52	\$4.99	\$133.33	\$3.12	\$76.77	\$71.85	\$2.72	\$00.25
212	SETON LAKE P&R				\$5.78	\$136.04		•••••	W 1.00	\$4.05	\$05.20 \$05.00
221	KATY-MASON P&R	\$4.07	\$120.16	\$103.75	\$4.86	\$168.62	\$2.98	\$66.05	\$76.04	\$3.56	490.22 \$100 EQ
221	KINGSLAND P&R	\$4.13	\$131.35	\$110.85	\$6.52	\$187.00	\$2.97	\$94 43	\$70.60	¢4.69	\$123.30 \$124.44
227	KATY/FRY P&R	\$3.53	\$129.34	\$115,75	\$4.81	\$169.36	\$2.63	\$96.23	\$86.12	\$2.50	\$104.44 \$106.01
228	ADDICKS P&R	\$4.44	\$147.61	\$123.86	\$6.17	\$210.08	\$3.07	\$101.91	\$85.51	¢4.06	\$120.01 \$145.04
	WEIGHTED AVERAGE				\$6.37	\$179.18	40.07	<i>Q</i> (0).01	400.01	\$4.20 \$4.47	\$140.04 \$105.60
						• • • • • • • •				ψ	φ120.09
	ROUTES NOT USING TWY			184 - C. S.	·						
59	SOUTHWEST FRY P&R	\$4.79	\$106.39	\$92.08	\$6.47	\$143.39	\$3.77	\$83 81	\$72.54	\$5.10	¢110.00
205	KINGWOOD P&R			-	\$3.88	\$104.46	+••••	400.01	WI 2.04	¢0.10	φ112.90 ¢01.00
206	EASTEX P&R	\$3.56	\$89.43	\$80.85	\$4.62	\$121.83	\$3.02	\$75.90	\$68.62	\$2.99	\$91.00 \$102.40
214	NORTHWEST P&R	\$3.17	\$94.69	\$78.14	\$4.28	\$129.26	\$2.73	\$81.75	\$67.46	\$3.60	\$103.40 \$111 ED
236	MAXEY P&R	\$4.11	\$93.55	\$79.42	\$5.08	\$126.03	\$3.40	\$77.44	\$65.74	\$4.00	\$111.09 \$104.20
245	EDGEBROOK P&R	\$4.96	\$98.58	\$84.74	\$6.77	\$133.47	\$3.94	\$78.42	\$67.41	\$5.20	\$104.32 \$106.19
246	BAY AREA P&R		1		\$4.08	\$103.85			401.41	\$3.60	\$100.10 \$01.54
261	WEST LOOP P&R	\$3.93	\$101.54	\$88.74	\$5.22	\$145.09	\$3.21	\$83.11	\$72.63	\$4.29	¢91.04
262	WESTWOOD P&R	\$3.71	\$91.90	\$82.51	\$5.59	\$144.93	\$3.11	\$77.10	\$69.22	\$4 ED	\$110.70 \$101 ED
263	ALIEF P&R	\$4.56	\$99.86	\$86.34	\$9.25	\$182.47	\$3.66	\$80.15	\$60.20	\$7.03	9121.30
270	MISSOURI CITY P&R			1 - C	\$6.12	\$105.62	40.00	Q OULD	Ψ00.00	\$7.43 \$5.07	\$140.40 \$00.00
284	SPRING-W. LAKE P&R	\$3.31	\$98.72	\$82.80	\$7.51	\$200.68	\$2.98	\$88.79	\$74 47	ΨJ.27 \$6 75	4190 AC
291	NORTH SHEPHERD P&R	\$4.59	\$95.44	\$84.22	\$8.37	\$177.30	\$3.70	\$76.98	\$67.92	Ψ0./J \$6.75	\$100.49 \$140.00
	WEIGHTED AVERAGE				\$5.30	\$130.07	40.70	<i>410.00</i>	Ψ07.0Z	φ0.75 ¢λ λε	\$143.00 \$100.00
										φ 4.4 0	\$109.30

		ALLO	CATED CO	OST WITH	NO DEPR	PER	PAX PER	PAX PER	PAX PER	PAX PER	PAX PER
NO.	TYPE ROUTE NAME	VEH MI	VEH HR	PAY HR	REV MI	REV HR	VEH MI	VEH HR	PAY HR	REV MI	REV HR
	ROUTES USING TWAY										•
107	FM 1960	\$2.80	\$71.22	\$60.22	\$4.27	\$101.00	0.525	13.379	11.312	0.802	18.975
107	FM 1960				\$0.00	\$0.00				0.667	17.947
201	NORTH SHEPHERD P&R	\$3.28	\$77.38	\$63.65	\$5.72	\$143.55	1.095	25.861	21.273	1.910	47.976
202	KUYKENDAHL P&R	\$2.98	\$74.91	\$66.46	\$4.46	\$124.68	0.936	23.484	20.837	1.399	39.087
204	SPRING P&R	\$2.64	\$77.13	\$72.21	\$4.15	\$112.27	0.709	20.721	19.400	1.114	30.160
204	SPRING P&R				\$0.00	\$0.00				1.022	31.192
210	KATY-W. BELT P&R	\$2.80	\$68.91	\$64.50	\$3.34	\$89.10	0.577	14.198	13.289	0.687	18.358
212	SETON LAKE P&R				\$0.00	\$0.00				1.285	30.224
221	KATY-MASON P&R	\$2.65	\$78.43	\$67.71	\$3.17	\$110.05	0.515	15.215	13.136	0.616	21.350
221	KINGSLAND P&R	\$2.62	\$83.29	\$70.29	\$4.13	\$118.58	0.437	13.907	11.736	0.690	19.799
227	KATY/FRY P&R	\$2.36	\$86.28	\$77.22	\$3.21	\$112.98	0.239	8.740	7.821	0.325	11.444
228	ADDICKS P&R	\$2.65	\$88.05	\$73.88	\$3.68	\$125.31	0.640	21.262	17.840	0.889	30.259
	WEIGHTED AVERAGE				\$3.05	\$85.85				1.115	31.340
										al a sata da	
	ROUTES NOT USING TWY										F
59	SOUTHWEST FRY P&R	\$3.17	\$70.44	\$60.96	\$4.28	\$94.93	1.265	28.127	24.343	1.711	37.908
205	KINGWOOD P&R				\$0.00	\$0.00				0.854	22.991
206	EASTEX P&R	\$2.71	\$68.16	\$61.62	\$3.52	\$92.85	0.582	14.642	13.238	0.756	19.947
214	NORTHWEST P&R	\$2.49	\$74.37	\$61.37	\$3.36	\$101.51	0.673	20.144	16.623	0.910	27.497
236	MAXEY P&R	\$2.99	\$68.08	\$57.80	\$3.70	\$91.72	0.599	13.621	11.564	0.739	18.350
245	EDGEBROOK P&R	\$3.35	\$66.55	\$57.21	\$4.57	\$90.11	1.291	25,663	22.061	1.763	34.749
246	BAY AREA P&R				\$0.00	\$0.00				0.951	24.196
261	WEST LOOP P&R	\$2.80	\$72.31	\$63.20	\$3.72	\$103.34	0.967	25.003	21.852	1.286	35.729
262	WESTWOOD P&R	\$2.77	\$68.56	\$61.55	\$4.17	\$108.12	0.808	20.022	17.977	1.219	31.575
263	ALIEF P&R	\$3.13	\$68.55	\$59.28	\$6.35	\$125.27	0.805	17.633	15.247	1.634	32.220
270	MISSOURI CITY P&R				\$0.00	\$0.00				1.204	20.759
284	SPRING-W. LAKE P&R	\$2.53	\$75.44	\$63.27	\$5.74	\$153.35	0.231	6.900	5.787	0.525	14.026
291	NORTH SHEPHERD P&R	\$3.18	\$66.16	\$58.38	\$5.80	\$122.91	0.761	15.836	13.973	1.389	29.418
	WEIGHTED AVERAGE				\$2.83	\$69.33			and the second	1.103	27.038

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	COST	PER PASS	ENGER	COST PER	REVENUE	PASSENGER	ł		REV		PER		
NO. ROUTE NAME	LL DEPRC	VEH DEPRC	NO DEPRC	ALL DEPRO	VEH DEPRO	NO DEPRC	VEH MI	VEH HR	PAY HR	REV MI	REV HR	PAX	REV PAX
ROUTES USING TWAY													
107 FM 1960	\$7.95	\$6.10	\$5.32	\$8.25	\$6.34	\$5.53	\$0.98	\$25.03	\$21.16	\$1.50	\$35.49	\$1.870	\$1.942
107 FM 1960				\$6.81	\$5.24	\$0.00	1997 - A. S			\$1.24	\$33.30	\$1.856	\$1.920
201 NORTH SHEPHERD P&R	\$5,32	\$3.53	\$2.99	\$5.47	\$3.63	\$3.08	\$1.20	\$28.29	\$23.27	\$2.09	\$52.49	\$1.094	\$1.124
202 KUYKENDAHL P&R	\$5.35	\$3.69	\$3.19	\$5.50	\$3.80	\$3.28	\$1.73	\$43.50	\$38.59	\$2.59	\$72.40	\$1.852	\$1,906
204 SPRING P&R	\$5.92	\$4.23	\$3.72	\$6.07	\$4.34	\$3.81	\$1.31	\$38.34	\$35.90	\$2.06	\$55.81	\$1.850	\$1.896
204 SPRING P&R				\$4.80	\$3.33	\$0.00				\$1.90	\$57.87	\$1.855	\$1.920
210 KATY-W. BELT P&R	\$7.26	\$5.41	\$4.85	\$7.45	\$5.55	\$4.98	\$0.74	\$18.19	\$17.02	\$0.88	\$23.52	\$1.281	\$1.314
212 SETON LAKE P&R				\$4.66	\$3.26	\$0.00				\$2.00	\$47.08	\$1.558	\$1.612
221 KATY-MASON P&R	\$7.90	\$5.79	\$5.15	\$8.23	\$6.03	\$5.37	\$1.06	\$31.40	\$27.11	\$1.27	\$44.07	\$2.064	\$2.152
221 KINGSLAND P&R	\$9.45	\$6.79	\$5.99	\$9.76	\$7.01	\$6.19	\$0.90	\$28.58	\$24.12	\$1.42	\$40.69	\$2.055	\$2.123
227 KATY/FRY P&R	\$14.80	\$11.01	\$9.87	\$15,47	\$11.51	\$10.32	\$0.49	\$17.80	\$15.93	\$0.66	\$23.31	\$2.037	\$2.130
228 ADDICKS P&R	\$6.94	\$4.79	\$4.14	\$7.08	\$4.89	\$4.23	\$0.99	\$32.92	\$27.62	\$1.38	\$46.85	\$1.548	\$1.580
WEIGHTED AVERAGE	\$5.72	\$4.01	\$2.74	\$5.89	\$4.13	\$2.82				\$1.87	\$52.51	\$1.676	\$1.726
OUTES NOT USING TWY						· . ·			2 ⁽¹⁾ - 1				•
59 SOUTHWEST FRY P&R	\$3.78	\$2.98	\$2.50	\$3.97	\$3.13	\$2.63	\$1.31	\$29.13	\$25.21	\$1.77	\$39.25	\$1.036	\$1.087
205 KINGWOOD P&R		•		\$4.70	\$4.13	\$0.00		•	A 12 C	\$1.79	\$48.19	\$2.096	\$2,169
206 EASTEX P&R	\$6.11	\$5.18	\$4.65	\$6.59	\$5.59	\$5.02	\$0.71	\$17.85	\$16.14	\$0.92	\$24.31	\$1.219	\$1.315
214 NORTHWEST P&R	\$4.70	\$4.06	\$3.69	\$4.85	\$4.19	\$3.81	\$1.03	\$30.77	\$25.39	\$1.39	\$42.00	\$1.527	\$1.577
236 MAXEY P&R	\$6.87	\$5.68	\$5.00	\$8.00	\$6.62	\$5.82	\$0.65	\$14.89	\$12.64	\$0.81	\$20.06	\$1.093	\$1,273
245 EDGEBROOK P&R	\$3.84	\$3.06	\$2.59	\$3.98	\$3.17	\$2.69	\$1.61	\$31.93	\$27.45	\$2.19	\$43.24	\$1.244	\$1.290
246 BAY AREA P&R				\$4.44	\$3.92	\$0.00				\$1.77	\$44.90	\$1.856	\$1.920
261 WEST LOOP P&R	\$4.06	\$3.32	\$2.89	\$4.18	\$3.42	\$2.98	\$0.88	\$22.77	\$19.90	\$1.17	\$32.53	\$0.910	\$0.937
262 WESTWOOD P&R	\$4.59	\$3.85	\$3.42	\$4.74	\$3.98	\$3.54	\$1.01	\$25.03	\$22.47	\$1.52	\$39.47	\$1.250	\$1.291
263 ALIEF P&R	\$5.66	\$4.55	\$3.89	\$5.84	\$4.69	\$4.01	\$1.02	\$22.44	\$19.40	\$2.08	\$41.01	\$1.273	\$1.312
270 MISSOURI CITY P&R				\$5.27	\$4.53	\$0.00				\$1.56	\$26.96	\$1.299	\$1.344
284 SPRING-W. LAKE P&R	\$14.31	\$12.87	\$10.93	\$14.55	\$13.09	\$11.12	\$0.44	\$13.10	\$10.99	\$1.00	\$26.63	\$1.898	\$1.931
291 NORTH SHEPHERD P&R	\$6.03	\$4.86	\$4.18	\$6.35	\$5.12	\$4.40	\$1.00	\$20.82	\$18.37	\$1.83	\$38.68	\$1.315	\$1.385
WEIGHTED AVERAGE	\$4.81	\$4.04	\$2.56	\$5.01	\$4.21	\$2.67			•	\$1.55	\$37.97	\$1.404	\$1.462

			COST	RECOVERY	RATIO	SUBSI	DY PER RE	V PAX
NO.	TYPE	E ROUTE NAME	ALL DEPRC	VEH DEPRC	NO DEPRC	ALL DEPRC	VEH DEPRC	NO DEPRC
		ROUTES USING TWAY	,					
107	T	FM 1960	0.2353	0.3065	0.3514	\$6.31	\$4.39	\$3.59
107	Ť	FM 1960	0.2820	0.3666		\$4.89	\$3.32	
201	Ť	NORTH SHEPHERD P&R	0.2056	0.3096	0.3656	\$4.34	\$2.51	\$1.95
202	T.	KUYKENDAHL P&R	0.3465	0.5019	0.5807	\$3.60	\$1.89	\$1.38
204	Т	SPRING P&R	0.3126	0.4372	0.4971	\$4.17	\$2.44	\$1.92
204	Т	SPRING P&R	0.4001	0.5771		\$2.88	\$1.41	
210	Ť	KATY-W. BELT P&R	0.1764	0.2369	0.2639	\$6.14	\$4.23	\$3.66
212	Т	SETON LAKE P&R	0.3461	0.4945		\$3.05	\$1.65	
221	Т	KATY-MASON P&R	0.2613	0.3566	0.4004	\$6.08	\$3.88	\$3.22
221	т	KINGSLAND P&R	0.2176	0.3027	0.3432	\$7.63	\$4.89	\$4.06
227	Т	KATY/FRY P&R	0.1377	0.1850	0.2064	\$13.34	\$9.38	\$8.19
228	Т	ADDICKS P&R	0.2230	0.3230	0.3739	\$5.50	\$3.31	\$2.65
		WEIGHTED AVERAGE	0.2931	0.4178		\$4.16	\$2.41	
	RÓ	UTES NOT USING TWY						
59		SOUTHWEST FRY P&R	0.2738	0.3475	0.4135	\$2.88	\$2.04	\$1.54
205		KINGWOOD P&R	0.4614	0.5250		\$2.53	\$1.96	
206	5	EASTEX P&R	0.1996	i 0.2351	0.2619	\$5.27	\$4.28	\$3.71
214		NORTHWEST P&R	0.3249	0.3764	0.4137	\$3.28	\$2.61	\$2.24
236	5	MAXEY P&R	0.1592	0.1923	0.2187	\$6.72	\$5.35	\$4.55
245	,	EDGEBROOK P&R	0.3239	0.4072	0.4798	\$2.69	\$1.88	\$1.40
246	.	BAY AREA P&R	0.4324	0.4905		\$2.52	\$1.99	
261	· ·	WEST LOOP P&R	0.2242	0.2739	0.3148	\$3.24	\$2.48	\$2.04
262	2	WESTWOOD P&R	0.2724	0.3247	0.3651	\$3.45	\$2.69	\$2.25
263	- 	ALIEF P&R	0.2247	0.2800	0.3274	\$4.53	\$3.37	\$2.70
270	, i	MISSOURI CITY P&R	0.2552	0.2967		\$3.92	\$3.19	
284		SPRING-W. LAKE P&R	0.1327	0.1475	0.1736	\$12.62	\$11.16	\$9.19
291		NORTH SHEPHERD P&R	0.2182	0.2705	0.3147	\$4.96	\$3.73	\$3.02
		WEIGHTED AVERAGE	0.2919	0.3474	0.5477	\$3.55	\$2.75	\$1.21

