

SEARCHED INDEXED

SOUTHERN CALIFORNIA RAPID TRANSIT DISTRICT

425 SOUTH MAIN STREET
LOS ANGELES

DO NOT INCLUDE MORE THAN ONE
SUBJECT IN THIS COMMUNICATION

DATE: December 11, 1981

TO: All Concerned
FROM: Anne Huck *AH*
SUBJECT: Patronage and Fare Survey Results

Attached herewith are the October Fare Survey results. The 1,236,000 weekday boardings for the survey period translates to 1,217,000 boardings for an average weekday in the calendar month of October and 1,210,000 for the calendar month of November -- down 8.0% and 8.3% below the same months a year ago. Saturday boardings decreased 8.2% (to 629,000) and 3.2% (to 701,000) for the same periods, while Sundays declined 9.2% (to 445,000) and 6.0% (to 441,000) respectively.

The weekday cash/pass split remained about the same as that found in the July Fare Survey. Cash fares comprised 42.5% and pass fares 52.1% of total boardings, with a seasonal shift as all student/college pass boardings rose to 12.7%.

A perfunctory indication of the high caliber of the estimates we are producing is provided at the top of the weekday computer printout. As you can see, the farebox revenue from the October sample differs from actual farebox revenue by only 1.3%. Refinements made to the patronage model have continued to set the estimates closer to the actual farebox revenue despite a 30% cutback in checker manhours over the last several surveys. The basic premise of stratifying bus lines by the maximum boardings per trip, combined with the latest innovation to the model -- that of sampling half bus runs -- appears to have potential for significantly greater savings. I anticipate that an additional manhour cutback of as much as 25% will provide us with estimates of an acceptable precision for both internal use and reporting (Section 15, etc.) purposes.

The availability of a complete set of data permitted us to apply the patronage model in its entirety for the first time in October to Saturday patronage estimation. The Saturday sample farebox revenue, which expanded to within 5.3% of actual farebox revenue, testifies to the validity of the stratification of Saturday lines and the methodologies applied.

The results of the Sunday portion of the Fare Survey should be used with caution. The 18% difference between estimated revenue and actual revenue for the sample period appears to indicate sampling bias. Supporting this further are the sharp reductions in average Sunday pass use-per-day for the reduced fare passes. The line stratification portion of the patronage model was applied to the Sunday sample, where historical data was available to support the classification of the bus lines. However, the majority of the Sunday bus lines were not stratified due to lack of previous data. Although we have corrected for this somewhat by adjusting back to actual farebox revenues, the Sunday boarding estimates may still be less than actually is the case and should be treated accordingly. Continued input to historical Sunday line data from both the regular line checks and the fare samples themselves should allow stratifying more Sunday lines for a greater degree of reliability of Sunday estimates in the future.

Attachments

cc: C. Barr
A. Fortuno
J. Holzer
J. Matosian
G. McDonald
D. Miller
S. Parry
J. Scatchard
D. Shoemaker
B. Urban
G. Vandeventer
N. Wolf
J. Woodhull

DISTRIBUTION OF FARES BY PERCENT OF BOARDINGS
FOR AVERAGE WEEKDAY

Fare Category	August 1980	October 1980	March 1981	July 1981	October 1981
Cash Boardings					
Regular	29.05	26.49	24.96	24.60	25.34
Regular Express	1.30	1.39	.98	1.14	.95
Senior/HCP	2.93	2.26	2.28	2.40	1.99
Sr/HCP Express	-	-	-	.07	.03
Student	.02	.07	.09	.12	.12
Student Express	-	-	-	.01	.00
Transfer Rec'd	15.39	13.93	11.85	13.42	13.95
Other	.10	.06	.11	.10	.12
Unknown	.04	.04	-	-	-
Sub Total	48.83	44.24	40.27	41.95	42.50
Pass Boardings					
Regular	24.74	24.58	27.53	27.94	25.20
Regular Express	2.62	2.96	2.14	2.76	2.06
Senior/HCP	12.33	11.31	11.05	12.49	11.45
Sr/HCP Express	-	-	-	.33	.46
Student	3.75	8.95	11.03	7.01	9.60
Student Express	-	-	-	*	.16
College	2.06	2.73	2.86	1.74	2.88
College Express	-	-	-	.15	.09
Summer Youth	.43	-	-	*	-
Other	.16	.02	.08	-	.07
Unknown	.11	.12	.03	-	.14
Sub Total	46.20	50.67	54.72	52.42	52.11
Free Boardings					
Blind	.26	.27	.25	.24	.19
Civil Service	.07	.06	.09	.08	.05
Small Children	2.70	2.98	2.41	3.12	3.52
RTD Employee	.96	.71	.70	.84	.71
Sub Total	3.99	4.02	3.45	4.28	4.47
Tourist Pass	.33	.12	.25	.28	.14
Ticket Boardings	.65	.95	1.31	1.04	.78
TOTAL	100.00%	100.00%	100.00%	100.00%	100.00%

*Student passes include all passes with express stamps as well as Summer Youth Pass boardings.

NOTE: THE \$333636. ESTIMATE DERIVED FROM THE WEEKDAY SAMPLE DIFFERED 1.3% FROM THE \$329327. ACTUAL FARE BOX REVENUE COLLECTED DURING AN AVERAGE WEEKDAY IN THE SAMPLE PERIOD. THE FOLLOWING ESTIMATES ARE ADJUSTED TO REFLECT ACTUAL FARE BOX REVENUES COLLECTED:

1237397.100.000% TOTAL BOARDINGS
 172636. 13.952% TRANSFER BOARDINGS
 353372. 28.558% CASH BOARDINGS
 12229. .988% TOTAL CASH EXPRESS BOARDINGS
 325330. 26.292% TOTAL REGULAR CASH BOARDINGS
 313536. 25.338% REGULAR CASH - NO EXPRESS
 11795. .953% TOTAL REGULAR EXPRESS CASH BOARDINGS
 4016. .325% REGULAR CASH WITH 1 EXPRESS INCREMENT
 3596. .291% REGULAR CASH WITH 2 EXPRESS INCREMENT
 1984. .160% REGULAR CASH WITH 3 EXPRESS INCREMENT
 1747. .141% REGULAR CASH WITH 4 EXPRESS INCREMENT
 412. .033% REGULAR CASH WITH 5 EXPRESS INCREMENT
 38. .003% REGULAR CASH WITH UNKNOWN EXPRESS PAYMENT
 25096. 2.028% TOTAL SENIOR CASH BOARDINGS
 24679. 1.994% SENIOR CASH - NO EXPRESS
 417. .034% TOTAL SENIOR EXPRESS CASH BOARDINGS
 213. .017% SENIOR CASH WITH 1 EXPRESS INCREMENT
 18. .001% SENIOR CASH WITH 2 EXPRESS INCREMENT
 27. .002% SENIOR CASH WITH 3 EXPRESS INCREMENT
 156. .013% SENIOR CASH WITH 4 EXPRESS INCREMENT
 3. .000% SENIOR CASH WITH 5 EXPRESS INCREMENT
 0. .000% SENIOR CASH WITH UNKNOWN EXPRESS PAYMENT
 1541. .125% TOTAL STUDENT CASH BOARDINGS
 1523. .123% STUDENT CASH - NO EXPRESS
 18. .001% TOTAL STUDENT EXPRESS CASH BOARDINGS
 0. .000% STUDENT CASH WITH 1 EXPRESS INCREMENT
 18. .001% STUDENT CASH WITH 2 EXPRESS INCREMENT
 0. .000% STUDENT CASH WITH 3 EXPRESS INCREMENT
 0. .000% STUDENT CASH WITH 4 EXPRESS INCREMENT
 0. .000% STUDENT CASH WITH 5 EXPRESS INCREMENT
 0. .000% STUDENT CASH WITH UNKNOWN EXPRESS PAYMENT
 9665. .781% TICKET BOARDINGS
 644885. 52.116% TOTAL PASS BOARDINGS
 33831. 2.734% TOTAL EXPRESS PASS BOARDINGS
 338103. 27.324% TOTAL REGULAR PASS BOARDINGS
 311795. 25.198% REGULAR PASS BOARDINGS - NO STAMP
 25455. 2.057% TOTAL REGULAR EXPRESS PASS BOARDINGS
 7703. .623% REGULAR PASS BOARDINGS - 1 STAMP
 8655. .699% REGULAR PASS BOARDINGS - 2 STAMPS
 4285. .346% REGULAR PASS BOARDINGS - 3 STAMPS
 3309. .267% REGULAR PASS BOARDINGS - 4 STAMPS
 916. .074% REGULAR PASS BOARDINGS - 5 STAMPS
 589. .048% REGULAR PASS BOARDINGS - UNKNOWN STAMP
 147345. 11.908% TOTAL SENIOR PASS BOARDINGS
 141672. 11.449% SENIOR PASS BOARDINGS - NO STAMP
 5672. .458% TOTAL SENIOR EXPRESS PASS BOARDINGS
 3748. .303% SENIOR PASS BOARDINGS - 1 STAMP
 571. .046% SENIOR PASS BOARDINGS - 2 STAMPS
 245. .020% SENIOR PASS BOARDINGS - 3 STAMPS
 209. .017% SENIOR PASS BOARDINGS - 4 STAMPS

Worksheet for use ratios:

W&K R DAYS

Total Cash \$329,327 = .5542
 * Total Non-Pass Bdgs 594,247

	<u>Out Pass Sales</u>	<u>Boardings</u>	<u>Brdg/Pass Per Day</u>
Regular Pass + IA + FPK	91,389	338,967	3.709
Sr / Hcp	63,434	147,345	2.323
Student **	36,367	120,973	3.326
College	13,179	36,731	2.787

583.	.047%	SENIOR PASS BOARDINGS - 5 STAMPS
315.	.025%	SENIOR PASS BOARDINGS - UNKNOWN STAMP
120789	9.762%	TOTAL STUDENT PASS BOARDINGS
118831.	9.603%	STUDENT PASS BOARDINGS - NO STAMP
1956.	.158%	TOTAL STUDENT EXPRESS PASS BOARDINGS
948.	.077%	STUDENT PASS BOARDINGS - 1 STAMP
463.	.037%	STUDENT PASS BOARDINGS - 2 STAMPS
215.	.017%	STUDENT PASS BOARDINGS - 3 STAMPS
17.	.001%	STUDENT PASS BOARDINGS - 4 STAMPS
0.	.000%	STUDENT PASS BOARDINGS - 5 STAMPS
315.	.025%	STUDENT PASS BOARDINGS - UNKNOWN STAMP
36731.	2.968%	TOTAL COLLEGE PASS BOARDINGS
35581.	2.876%	COLLEGE PASS BOARDINGS - NO STAMP
1149.	.093%	TOTAL COLLEGE EXPRESS PASS BOARDINGS
534.	.043%	COLLEGE PASS BOARDINGS - 1 STAMP
248.	.020%	COLLEGE PASS BOARDINGS - 2 STAMP
217.	.018%	COLLEGE PASS BOARDINGS - 3 STAMP
21.	.002%	COLLEGE PASS BOARDINGS - 4 STAMP
95.	.008%	COLLEGE PASS BOARDINGS - 5 STAMP
35.	.003%	COLLEGE PASS BOARDINGS - UNKNOWN STAMP
1847	.015%	SUMMER YOUTH PASS BOARDINGS
55276.	4.467%	TOTAL FREE BOARDINGS
43512.	3.516%	FREE CHILDREN UNDER 5 YEARS OF AGE
2355.	.190%	FREE BLIND BOARDINGS
621.	.050%	FREE CIVIL SERVICE BOARDINGS
8788.	.710%	FREE RTD EMPLOYEE BOARDINGS
1735	.140%	TOURIST PASS BOARDINGS
592155	47.855%	TOTAL NON-PASS BOARDINGS
149998.	12.122%	TOTAL 15-CENT TRANSFERS PURCHASED
15284.	1.235%	15-CENT TRANSFERS PURCHASED BY TRANSFER BOARDIN
130940.	10.582%	15-CENT TRANSFERS PURCHASED BY REGULAR CASH BOA
2497.	.202%	15-CENT TRANSFERS PURCHASED BY REGULAR EXPRESS
481.	.039%	15-CENT TRANSFERS PURCHASED BY TICKET BOARDING
800.	.065%	15-CENT TRANSFERS PURCHASED AS LATE TRANSACTION
429.	.035%	15-CENT TRANSFERS PURCHASED TO OTHER SYSTEMS BY
377.	.030%	15-CENT TRANSFERS PURCHASED TO OTHER SYSTEMS BY
0.	.000%	15-CENT TRANSFERS PURCHASED TO OTHER SYSTEMS BY
0.	.000%	15-CENT TRANSFERS PURCHASED TO OTHER SYSTEMS BY
52.	.004%	15-CENT TRANSFERS PURCHASED TO OTHER SYSTEMS BY
8800.	.711%	TOTAL 05-CENT TRANSFERS PURCHASED
1117.	.090%	05-CENT TRANSFERS PURCHASED BY TRANSFER BOARDIN
7235.	.585%	05-CENT TRANSFERS PURCHASED BY SENIOR-HCP CASH
62.	.005%	05-CENT TRANSFERS PURCHASED BY SENIOR-HCP EXPRE
254.	.021%	05-CENT TRANSFERS PURCHASED BY STUDENT CASH BOA
0.	.000%	05-CENT TRANSFERS PURCHASED BY STUDENT EXPRESS
131.	.011%	05-CENT TRANSFERS PURCHASED BY TICKET BOARDING
0.	.000%	05-CENT TRANSFERS PURCHASED AS LATE TRANSACTION
298.	.024%	05-CENT TRANSFERS PURCHASED TO OTHER SYSTEMS BY
136.	.011%	05-CENT TRANSFERS PURCHASED BY SENIOR-HCP PASS
53.	.004%	05-CENT TRANSFERS PURCHASED BY SENIOR-HCP EXP P
87.	.007%	05-CENT TRANSFERS PURCHASED BY STUDENT PASS BOA
0.	.000%	05-CENT TRANSFERS PURCHASED BY STUDENT EXP PASS
21.	.002%	05-CENT TRANSFERS PURCHASED BY COLLEGE STUDENT
0.	.000%	05-CENT TRANSFERS PURCHASED BY COLLEGE STUDENT
0.	.000%	05-CENT TRANSFERS PURCHASED BY SUMMER PASS BOAR
14748.	1.192%	TOTAL REGULAR BOARDINGS WITH 1 EXPRESS INCREMEN
18174.	1.469%	TOTAL REGULAR BOARDINGS WITH 2 EXPRESS INCREMEN

6750.	.545x	TOTAL REGULAR BOARDINGS WITH 3 EXPRESS INCREMEN
5115.	.413x	TOTAL REGULAR BOARDINGS WITH 4 EXPRESS INCREMEN
1364.	.110x	TOTAL REGULAR BOARDINGS WITH 5 EXPRESS INCREMEN
628.	.051x	TOTAL REGULAR BOARDINGS WITH UNKNOWN EXPRESS PA
6539.	.528x	TOTAL DISCOUNTED BOARDINGS WITH 1 EXPRESS INCRE
1938.	.157x	TOTAL DISCOUNTED BOARDINGS WITH 2 EXPRESS INCRE
919.	.074x	TOTAL DISCOUNTED BOARDINGS WITH 3 EXPRESS INCRE
427.	.035x	TOTAL DISCOUNTED BOARDINGS WITH 4 EXPRESS INCRE
791.	.064x	TOTAL DISCOUNTED BOARDINGS WITH 5 EXPRESS INCRE
665.	.054x	TOTAL DISCOUNTED BOARDINGS WITH UNKNOWN EXPRESS
0.	.000x	75-CENT REGULAR ORANGE COUNTY PEAK CASH BOARDIN
0.	.000x	60-CENT REGULAR ORANGE COUNTY OFF-PEAK CASH BOA
0.	.000x	50-CENT SENIOR ORANGE COUNTY PEAK CASH BOARDING
0.	.000x	10-CENT SENIOR ORANGE COUNTY OFF-PEAK CASH BOAR
0.	.000x	35-CENT HANDICAPPED ORANGE COUNTY CASH BOARDING
0.	.000x	50-CENT REGULAR SAN BERNARDINO COUNTY CASH BOAR
0.	.000x	25-CENT SENIOR SAN BERNARDINO COUNTY CASH BOARD
0.	.000x	35-CENT STUDENT SAN BERNARDINO COUNTY CASH BOAR
84.	.007x	45-CENT REGULAR RIVERSIDE COUNTY CASH BOARDING
37.	.003x	20-CENT SENIOR RIVERSIDE COUNTY CASH BOARDING
0.	.000x	ORANGE COUNTY TRANSFER
0.	.000x	ORANGE COUNTY REGULAR PASS BOARDING
0.	.000x	85-CENT ADDITIONAL AMOUNT RECEIVED
29.	.002x	60-CENT ADDITIONAL AMOUNT RECEIVED
18.	.001x	50-CENT ADDITIONAL AMOUNT RECEIVED
21.	.002x	45-CENT ADDITIONAL AMOUNT RECEIVED
0.	.000x	35-CENT ADDITIONAL AMOUNT RECEIVED
0.	.000x	25-CENT ADDITIONAL AMOUNT RECEIVED
0.	.000x	20-CENT ADDITIONAL AMOUNT RECEIVED
0.	.000x	10-CENT ADDITIONAL AMOUNT RECEIVED
1100.	.088x	SUBSCRIPTION
1424.	.114x	MINIBUS LINES 202 & 205
864.	.069x	FULLERTON PARK AND RIDE PASS

@PACK FARES.

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@FIN

NOTE: THE \$191174. ESTIMATE DERIVED FROM THE SATURDAY SAMPLE DIFFERED 5.2% FROM THE \$201728. ACTUAL FARE BOX REVENUE COLLECTED DURING AN AVERAGE SATURDAY IN THE SAMPLE PERIOD. THE FOLLOWING ESTIMATES ARE ADJUSTED TO REFLECT ACTUAL FARE BOX REVENUES COLLECTED:

\$ 201728.		TOTAL CASH DOLLARS
697343.	100.000%	TOTAL BOARDINGS
90954.	13.043%	TRANSFER BOARDINGS
216048.	30.982%	CASH BOARDINGS
9149.	1.312%	TOTAL CASH EXPRESS BOARDINGS
198128.	28.412%	TOTAL REGULAR CASH BOARDINGS
189347.	27.153%	REGULAR CASH - NO EXPRESS
8545.	1.225%	TOTAL REGULAR EXPRESS CASH BOARDINGS
3963.	.568%	REGULAR CASH WITH 1 EXPRESS INCREMENT
2433.	.349%	REGULAR CASH WITH 2 EXPRESS INCREMENT
1871.	.268%	REGULAR CASH WITH 3 EXPRESS INCREMENT
181.	.026%	REGULAR CASH WITH 4 EXPRESS INCREMENT
95.	.014%	REGULAR CASH WITH 5 EXPRESS INCREMENT
0.	.000%	REGULAR CASH WITH UNKNOWN EXPRESS PAYMENT
16725.	2.395%	TOTAL SENIOR CASH BOARDINGS
16165.	2.318%	SENIOR CASH - NO EXPRESS
561.	.081%	TOTAL SENIOR EXPRESS CASH BOARDINGS
232.	.033%	SENIOR CASH WITH 1 EXPRESS INCREMENT
139.	.020%	SENIOR CASH WITH 2 EXPRESS INCREMENT
159.	.023%	SENIOR CASH WITH 3 EXPRESS INCREMENT
0.	.000%	SENIOR CASH WITH 4 EXPRESS INCREMENT
32.	.005%	SENIOR CASH WITH 5 EXPRESS INCREMENT
0.	.000%	SENIOR CASH WITH UNKNOWN EXPRESS PAYMENT
778.	.112%	TOTAL STUDENT CASH BOARDINGS
735.	.105%	STUDENT CASH - NO EXPRESS
42.	.006%	TOTAL STUDENT EXPRESS CASH BOARDINGS
0.	.000%	STUDENT CASH WITH 1 EXPRESS INCREMENT
0.	.000%	STUDENT CASH WITH 2 EXPRESS INCREMENT
0.	.000%	STUDENT CASH WITH 3 EXPRESS INCREMENT
42.	.006%	STUDENT CASH WITH 4 EXPRESS INCREMENT
0.	.000%	STUDENT CASH WITH 5 EXPRESS INCREMENT
0.	.000%	STUDENT CASH WITH UNKNOWN EXPRESS PAYMENT
3893.	.558%	TICKET BOARDINGS
341796.	49.014%	TOTAL PASS BOARDINGS
11579.	1.660%	TOTAL EXPRESS PASS BOARDINGS
199297.	28.579%	TOTAL REGULAR PASS BOARDINGS
191201.	27.419%	REGULAR PASS BOARDINGS - NO STAMP
8097.	1.161%	TOTAL REGULAR EXPRESS PASS BOARDINGS
5719.	.820%	REGULAR PASS BOARDINGS - 1 STAMP
1224.	.176%	REGULAR PASS BOARDINGS - 2 STAMPS
814.	.117%	REGULAR PASS BOARDINGS - 3 STAMPS
135.	.019%	REGULAR PASS BOARDINGS - 4 STAMPS
42.	.006%	REGULAR PASS BOARDINGS - 5 STAMPS
161.	.023%	REGULAR PASS BOARDINGS - UNKNOWN STAMP
89110.	12.779%	TOTAL SENIOR PASS BOARDINGS
86117.	12.349%	SENIOR PASS BOARDINGS - NO STAMP
2992.	.429%	TOTAL SENIOR EXPRESS PASS BOARDINGS
2579.	.370%	SENIOR PASS BOARDINGS - 1 STAMP
187.	.027%	SENIOR PASS BOARDINGS - 2 STAMPS
166.	.024%	SENIOR PASS BOARDINGS - 3 STAMPS
0.	.000%	SENIOR PASS BOARDINGS - 4 STAMPS

SATURDAYS

Worksheet for use ratios:

Total Cash = $\frac{7201,728}{356,990} = .5651$

	<u>Oct Pass</u> <u>Sales</u>	<u>Boardings</u>	<u>Brds./Pass</u> <u>Per Day</u>
Regular Pass + IA + FPL	91389	199297	2.18
Sr / Hcp	63434	89110	1.40
Student	36367	39927	1.09
College	13179	12019	.91

Input to Operations / Saturdays

0.	.0001	SENIOR PASS BOARDINGS - 5 STAMPS
61.	.0091	SENIOR PASS BOARDINGS - UNKNOWN STAMP
39927.	5.7261	TOTAL STUDENT PASS BOARDINGS
39488.	5.6631	STUDENT PASS BOARDINGS - NO STAMP
438.	.0631	TOTAL STUDENT EXPRESS PASS BOARDINGS
390.	.0561	STUDENT PASS BOARDINGS - 1 STAMP
50.	.0071	STUDENT PASS BOARDINGS - 2 STAMPS
0.	.0001	STUDENT PASS BOARDINGS - 3 STAMPS
0.	.0001	STUDENT PASS BOARDINGS - 4 STAMPS
0.	.0001	STUDENT PASS BOARDINGS - 5 STAMPS
0.	.0001	STUDENT PASS BOARDINGS - UNKNOWN STAMP
12019.	1.7241	TOTAL COLLEGE PASS BOARDINGS
11744.	1.6841	COLLEGE PASS BOARDINGS - NO STAMP
274.	.0391	TOTAL COLLEGE EXPRESS PASS BOARDINGS
252.	.0361	COLLEGE PASS BOARDINGS - 1 STAMP
0.	.0001	COLLEGE PASS BOARDINGS - 2 STAMP
22.	.0031	COLLEGE PASS BOARDINGS - 3 STAMP
0.	.0001	COLLEGE PASS BOARDINGS - 4 STAMP
0.	.0001	COLLEGE PASS BOARDINGS - 5 STAMP
0.	.0001	COLLEGE PASS BOARDINGS - UNKNOWN STAMP
0.	.0001	SUMMER YOUTH PASS BOARDINGS
42771.	6.1331	TOTAL FREE BOARDINGS
37254.	5.3421	FREE CHILDREN UNDER 5 YEARS OF AGE
1298.	.1861	FREE BLIND BOARDINGS
230.	.0331	FREE CIVIL SERVICE BOARDINGS
3990.	.5721	FREE RTD EMPLOYEE BOARDINGS
1440.	.2071	TOURIST PASS BOARDINGS
355558.	50.9861	TOTAL NON-PASS BOARDINGS
93303.	13.3801	TOTAL 15-CENT TRANSFERS PURCHASED
9369.	1.3441	15-CENT TRANSFERS PURCHASED BY TRANSFER BOARDIN
80094.	11.4861	15-CENT TRANSFERS PURCHASED BY REGULAR CASH BOA
2813.	.4031	15-CENT TRANSFERS PURCHASED BY REGULAR EXPRESS
171.	.0251	15-CENT TRANSFERS PURCHASED BY TICKET BOARDING
853.	.1221	15-CENT TRANSFERS PURCHASED AS LATE TRANSACTION
61.	.0091	15-CENT TRANSFERS PURCHASED TO OTHER SYSTEMS BY
56.	.0081	15-CENT TRANSFERS PURCHASED TO OTHER SYSTEMS BY
6.	.0011	15-CENT TRANSFERS PURCHASED TO OTHER SYSTEMS BY
0.	.0001	15-CENT TRANSFERS PURCHASED TO OTHER SYSTEMS BY
0.	.0001	15-CENT TRANSFERS PURCHASED TO OTHER SYSTEMS BY
4544.	.6521	TOTAL 05-CENT TRANSFERS PURCHASED
455.	.0651	05-CENT TRANSFERS PURCHASED BY TRANSFER BOARDIN
3809.	.5461	05-CENT TRANSFERS PURCHASED BY SENIOR-HCP CASH
119.	.0171	05-CENT TRANSFERS PURCHASED BY SENIOR-HCP EXPRE
87.	.0121	05-CENT TRANSFERS PURCHASED BY STUDENT CASH BOA
9.	.0011	05-CENT TRANSFERS PURCHASED BY STUDENT EXPRESS
27.	.0041	05-CENT TRANSFERS PURCHASED BY TICKET BOARDING
39.	.0061	05-CENT TRANSFERS PURCHASED AS LATE TRANSACTION
97.	.0141	05-CENT TRANSFERS PURCHASED TO OTHER SYSTEMS BY
39.	.0061	05-CENT TRANSFERS PURCHASED BY SENIOR-HCP PASS
20.	.0031	05-CENT TRANSFERS PURCHASED BY SENIOR-HCP EXP P
37.	.0051	05-CENT TRANSFERS PURCHASED BY STUDENT PASS BOA
0.	.0001	05-CENT TRANSFERS PURCHASED BY STUDENT EXP PASS
0.	.0001	05-CENT TRANSFERS PURCHASED BY COLLEGE STUDENT
0.	.0001	05-CENT TRANSFERS PURCHASED BY COLLEGE STUDENT
0.	.0001	05-CENT TRANSFERS PURCHASED BY SUMMER PASS BOAR
12371.	1.7741	TOTAL REGULAR BOARDINGS WITH 1 EXPRESS INCREMEN
4716.	.6761	TOTAL REGULAR BOARDINGS WITH 2 EXPRESS INCREMEN

3894.	.5581	TOTAL REGULAR BOARDINGS WITH 3 EXPRESS INCREMEN
454.	.0651	TOTAL REGULAR BOARDINGS WITH 4 EXPRESS INCREMEN
137.	.0201	TOTAL REGULAR BOARDINGS WITH 5 EXPRESS INCREMEN
161.	.0231	TOTAL REGULAR BOARDINGS WITH UNKNOWN EXPRESS PA
3777.	.5421	TOTAL DISCOUNTED BOARDINGS WITH 1 EXPRESS INCRE
672.	.0961	TOTAL DISCOUNTED BOARDINGS WITH 2 EXPRESS INCRE
1191.	.1711	TOTAL DISCOUNTED BOARDINGS WITH 3 EXPRESS INCRE
115.	.0161	TOTAL DISCOUNTED BOARDINGS WITH 4 EXPRESS INCRE
78.	.0111	TOTAL DISCOUNTED BOARDINGS WITH 5 EXPRESS INCRE
61.	.0091	TOTAL DISCOUNTED BOARDINGS WITH UNKNOWN EXPRESS
31.	.0051	75-CENT REGULAR ORANGE COUNTY PEAK CASH BOARDIN
484.	.0731	60-CENT REGULAR ORANGE COUNTY OFF-PEAK CASH BOA
0.	.0001	50-CENT SENIOR ORANGE COUNTY PEAK CASH BOARDING
31.	.0051	10-CENT SENIOR ORANGE COUNTY OFF-PEAK CASH BOAR
63.	.0101	35-CENT HANDICAPPED ORANGE COUNTY CASH BOARDING
652.	.0991	50-CENT REGULAR SAN BERNARDINO COUNTY CASH BOAR
121.	.0181	25-CENT SENIOR SAN BERNARDINO COUNTY CASH BOARD
0.	.0001	35-CENT STUDENT SAN BERNARDINO COUNTY CASH BOAR
291.	.0441	45-CENT REGULAR RIVERSIDE COUNTY CASH BOARDING
121.	.0181	20-CENT SENIOR RIVERSIDE COUNTY CASH BOARDING
0.	.0001	ORANGE COUNTY TRANSFER
0.	.0001	ORANGE COUNTY REGULAR PASS BOARDING
0.	.0001	85-CENT ADDITIONAL AMOUNT RECEIVED
0.	.0001	60-CENT ADDITIONAL AMOUNT RECEIVED
0.	.0001	50-CENT ADDITIONAL AMOUNT RECEIVED
16.	.0021	45-CENT ADDITIONAL AMOUNT RECEIVED
0.	.0001	35-CENT ADDITIONAL AMOUNT RECEIVED
0.	.0001	25-CENT ADDITIONAL AMOUNT RECEIVED
103.	.0161	20-CENT ADDITIONAL AMOUNT RECEIVED
16.	.0021	10-CENT ADDITIONAL AMOUNT RECEIVED
395.	.0601	MINIBUS LINES 202 & 205

@PACK FARES.
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3FIN

NOTE: THE \$115428. ESTIMATE DERIVED FROM THE SUNDAY SAMPLE DIFFERED 18.1% FROM THE \$140861. ACTUAL FARE BOX REVENUE COLLECTED DURING AN AVERAGE SUNDAY IN THE SAMPLE PERIOD. THE FOLLOWING ESTIMATES ARE ADJUSTED TO REFLECT ACTUAL FARE BOX REVENUES COLLECTED:

Worksheet for use ratios

\$ 140861.	TOTAL CASH DOLLARS
452287.100.000%	TOTAL BOARDINGS
62077. 13.725%	TRANSFER BOARDINGS
146583. 32.409%	CASH BOARDINGS
7853. 1.736%	TOTAL CASH EXPRESS BOARDINGS
135974. 30.064%	TOTAL REGULAR CASH BOARDINGS
128630. 28.440%	REGULAR CASH - NO EXPRESS
7344. 1.624%	TOTAL REGULAR EXPRESS CASH BOARDINGS
1883. .416%	REGULAR CASH WITH 1 EXPRESS INCREMENT
3600. .796%	REGULAR CASH WITH 2 EXPRESS INCREMENT
969. .214%	REGULAR CASH WITH 3 EXPRESS INCREMENT
875. .193%	REGULAR CASH WITH 4 EXPRESS INCREMENT
17. .004%	REGULAR CASH WITH 5 EXPRESS INCREMENT
0. .000%	REGULAR CASH WITH UNKNOWN EXPRESS PAYMENT
10307. 2.279%	TOTAL SENIOR CASH BOARDINGS
9798. 2.166%	SENIOR CASH - NO EXPRESS
509. .113%	TOTAL SENIOR EXPRESS CASH BOARDINGS
183. .040%	SENIOR CASH WITH 1 EXPRESS INCREMENT
49. .011%	SENIOR CASH WITH 2 EXPRESS INCREMENT
111. .025%	SENIOR CASH WITH 3 EXPRESS INCREMENT
168. .037%	SENIOR CASH WITH 4 EXPRESS INCREMENT
0. .000%	SENIOR CASH WITH 5 EXPRESS INCREMENT
0. .000%	SENIOR CASH WITH UNKNOWN EXPRESS PAYMENT
303. .067%	TOTAL STUDENT CASH BOARDINGS
303. .067%	STUDENT CASH - NO EXPRESS
0. .000%	TOTAL STUDENT EXPRESS CASH BOARDINGS
0. .000%	STUDENT CASH WITH 1 EXPRESS INCREMENT
0. .000%	STUDENT CASH WITH 2 EXPRESS INCREMENT
0. .000%	STUDENT CASH WITH 3 EXPRESS INCREMENT
0. .000%	STUDENT CASH WITH 4 EXPRESS INCREMENT
0. .000%	STUDENT CASH WITH 5 EXPRESS INCREMENT
0. .000%	STUDENT CASH WITH UNKNOWN EXPRESS PAYMENT
3586. .793%	TICKET BOARDINGS
209334. 46.283%	TOTAL PASS BOARDINGS
6463. 1.429%	TOTAL EXPRESS PASS BOARDINGS
115800. 25.603%	TOTAL REGULAR PASS BOARDINGS
112414. 24.855%	REGULAR PASS BOARDINGS - NO STAMP
3385. .748%	TOTAL REGULAR EXPRESS PASS BOARDINGS
2101. .465%	REGULAR PASS BOARDINGS - 1 STAMP
862. .190%	REGULAR PASS BOARDINGS - 2 STAMPS
329. .073%	REGULAR PASS BOARDINGS - 3 STAMPS
33. .007%	REGULAR PASS BOARDINGS - 4 STAMPS
0. .000%	REGULAR PASS BOARDINGS - 5 STAMPS
61. .013%	REGULAR PASS BOARDINGS - UNKNOWN STAMP
62161. 13.744%	TOTAL SENIOR PASS BOARDINGS
59217. 13.093%	SENIOR PASS BOARDINGS - NO STAMP
2946. .651%	TOTAL SENIOR EXPRESS PASS BOARDINGS
2668. .590%	SENIOR PASS BOARDINGS - 1 STAMP
6. .001%	SENIOR PASS BOARDINGS - 2 STAMPS
198. .044%	SENIOR PASS BOARDINGS - 3 STAMPS
0. .000%	SENIOR PASS BOARDINGS - 4 STAMPS

SUNDAYS

Total Cash $\frac{\$140861}{140861} = .5768$
 + Total Non Pass Bldgs. 244,206

	<u>Oct Pass Sales</u>	<u>Boardings</u>	<u>Bldg/Pass Per Day</u>
Regular Pass TH+FA	9,389	115,800	1.267
Sr/Hop	63,434	62,161	.980
Student	36,367	25,578	.703
College	13,179	4,542	.345

Input to Generation/Sundays

0.	.000%	SENIOR PASS BOARDINGS - 5 STAMPS
74.	.016%	SENIOR PASS BOARDINGS - UNKNOWN STAMP
25578.	5.655%	TOTAL STUDENT PASS BOARDINGS
25359.	5.607%	STUDENT PASS BOARDINGS - NO STAMP
218.	.046%	TOTAL STUDENT EXPRESS PASS BOARDINGS
181.	.040%	STUDENT PASS BOARDINGS - 1 STAMP
39.	.009%	STUDENT PASS BOARDINGS - 2 STAMPS
0.	.000%	STUDENT PASS BOARDINGS - 3 STAMPS
0.	.000%	STUDENT PASS BOARDINGS - 4 STAMPS
0.	.000%	STUDENT PASS BOARDINGS - 5 STAMPS
0.	.000%	STUDENT PASS BOARDINGS - UNKNOWN STAMP
4542.	1.004%	TOTAL COLLEGE PASS BOARDINGS
4496.	.994%	COLLEGE PASS BOARDINGS - NO STAMP
46.	.010%	TOTAL COLLEGE EXPRESS PASS BOARDINGS
40.	.009%	COLLEGE PASS BOARDINGS - 1 STAMP
6.	.001%	COLLEGE PASS BOARDINGS - 2 STAMP
0.	.000%	COLLEGE PASS BOARDINGS - 3 STAMP
0.	.000%	COLLEGE PASS BOARDINGS - 4 STAMP
0.	.000%	COLLEGE PASS BOARDINGS - 5 STAMP
0.	.000%	COLLEGE PASS BOARDINGS - UNKNOWN STAMP
0.	.000%	SUMMER YOUTH PASS BOARDINGS
28579.	6.315%	TOTAL FREE BOARDINGS
23965.	5.299%	FREE CHILDREN UNDER 5 YEARS OF AGE
625.	.138%	FREE BLIND BOARDINGS
111.	.025%	FREE CIVIL SERVICE BOARDINGS
3877.	.857%	FREE RTD EMPLOYEE BOARDINGS
1041.	.230%	TOURIST PASS BOARDINGS
234341.	51.812%	TOTAL NON-PASS BOARDINGS
64284.	14.213%	TOTAL 15-CENT TRANSFERS PURCHASED
4848.	1.072%	15-CENT TRANSFERS PURCHASED BY TRANSFER BOARDIN
55789.	12.335%	15-CENT TRANSFERS PURCHASED BY REGULAR CASH BOA
2655.	.587%	15-CENT TRANSFERS PURCHASED BY REGULAR EXPRESS
387.	.086%	15-CENT TRANSFERS PURCHASED BY TICKET BOARDING
607.	.134%	15-CENT TRANSFERS PURCHASED AS LATE TRANSACTION
142.	.031%	15-CENT TRANSFERS PURCHASED TO OTHER SYSTEMS BY
142.	.031%	15-CENT TRANSFERS PURCHASED TO OTHER SYSTEMS BY
0.	.000%	15-CENT TRANSFERS PURCHASED TO OTHER SYSTEMS BY
0.	.000%	15-CENT TRANSFERS PURCHASED TO OTHER SYSTEMS BY
0.	.000%	15-CENT TRANSFERS PURCHASED TO OTHER SYSTEMS BY
3976.	.879%	TOTAL 05-CENT TRANSFERS PURCHASED
668.	.148%	05-CENT TRANSFERS PURCHASED BY TRANSFER BOARDIN
3061.	.677%	05-CENT TRANSFERS PURCHASED BY SENIOR-HCP CASH
105.	.023%	05-CENT TRANSFERS PURCHASED BY SENIOR-HCP EXPRE
48.	.011%	05-CENT TRANSFERS PURCHASED BY STUDENT CASH BOA
0.	.000%	05-CENT TRANSFERS PURCHASED BY STUDENT EXPRESS
0.	.000%	05-CENT TRANSFERS PURCHASED BY TICKET BOARDING
96.	.021%	05-CENT TRANSFERS PURCHASED AS LATE TRANSACTION
71.	.016%	05-CENT TRANSFERS PURCHASED TO OTHER SYSTEMS BY
71.	.016%	05-CENT TRANSFERS PURCHASED BY SENIOR-HCP PASS
0.	.000%	05-CENT TRANSFERS PURCHASED BY SENIOR-HCP EXP P
0.	.000%	05-CENT TRANSFERS PURCHASED BY STUDENT PASS BOA
0.	.000%	05-CENT TRANSFERS PURCHASED BY STUDENT EXP PASS
0.	.000%	05-CENT TRANSFERS PURCHASED BY COLLEGE STUDENT
0.	.000%	05-CENT TRANSFERS PURCHASED BY COLLEGE STUDENT
0.	.000%	05-CENT TRANSFERS PURCHASED BY SUMMER PASS BOAR
5809.	1.284%	TOTAL REGULAR BOARDINGS WITH 1 EXPRESS INCREMEN
6276.	1.388%	TOTAL REGULAR BOARDINGS WITH 2 EXPRESS INCREMEN

1829. .404% TOTAL REGULAR BOARDINGS WITH 3 EXPRESS INCRFMEN
1042. .230% TOTAL REGULAR BOARDINGS WITH 4 EXPRESS INCRFMEN
76. .017% TOTAL REGULAR BOARDINGS WITH 5 EXPRESS INCRFMEN
61. .013% TOTAL REGULAR BOARDINGS WITH UNKNOWN EXPRESS PA
3862. .854% TOTAL DISCOUNTED BOARDINGS WITH 1 EXPRESS INCR
525. .116% TOTAL DISCOUNTED BOARDINGS WITH 2 EXPRESS INCR
433. .096% TOTAL DISCOUNTED BOARDINGS WITH 3 EXPRESS INCR
532. .118% TOTAL DISCOUNTED BOARDINGS WITH 4 EXPRESS INCR
29. .006% TOTAL DISCOUNTED BOARDINGS WITH 5 EXPRESS INCR
74. .016% TOTAL DISCOUNTED BOARDINGS WITH UNKNOWN EXPRESS
0. .000% 75-CENT REGULAR ORANGE COUNTY PEAK CASH BOARDIN
850. .229% 60-CENT REGULAR ORANGE COUNTY OFF-PEAK CASH BOA
0. .000% 50-CENT SENIOR ORANGE COUNTY PEAK CASH BOARDING
0. .000% 10-CENT SENIOR ORANGE COUNTY OFF-PEAK CASH BOAR
0. .000% 35-CENT HANDICAPPED ORANGE COUNTY CASH BOARDING
54. .015% 50-CENT REGULAR SAN BERNARDINO COUNTY CASH BOAR
0. .000% 25-CENT SENIOR SAN BERNARDINO COUNTY CASH BOARD
14. .004% 35-CENT STUDENT SAN BERNARDINO COUNTY CASH BOAR
82. .022% 45-CENT REGULAR RIVERSIDE COUNTY CASH BOARDING
0. .000% 20-CENT SENIOR RIVERSIDE COUNTY CASH BOARDING
0. .000% ORANGE COUNTY TRANSFER
0. .000% ORANGE COUNTY REGULAR PASS BOARDING
0. .000% 85-CENT ADDITIONAL AMOUNT RECEIVED
0. .000% 60-CENT ADDITIONAL AMOUNT RECEIVED
0. .000% 50-CENT ADDITIONAL AMOUNT RECEIVED
0. .000% 45-CENT ADDITIONAL AMOUNT RECEIVED
0. .000% 35-CENT ADDITIONAL AMOUNT RECEIVED
0. .000% 25-CENT ADDITIONAL AMOUNT RECEIVED
85. .023% 20-CENT ADDITIONAL AMOUNT RECEIVED
0. .000% 10-CENT ADDITIONAL AMOUNT RECEIVED

@PACK FARES.

FURPUR 28R1 E35 574T11 12/09/81 13:19:26
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