

WORKING PAPER NUMBER 89-01

ADDENDUM TO AUTO OCCUPANCY FOR AREAS OUTSIDE THE  
CHICAGO CENTRAL BUSINESS DISTRICT

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August 1988



## I. INTRODUCTION AND PURPOSE

Travel characteristics such as auto occupancy rates are important indicators of changes in travel patterns. Auto occupancy rates are affected by numerous factors. These factors include changes in household, social and economic characteristics such as location, family size, age composition, auto ownership and income. Other factors influencing occupancy rates are the accessibility of employment, shopping and recreation sites. Finally, occupancy rates can be influenced by travel characteristics such as trip origin and destination, travel time and trip purpose.

In 1980, the Chicago Area Transportation Study (CATS) conducted a study to determine auto occupancy rates on a regionwide basis. The count stations were located near concentric rings 10, 20 and 30 miles from the Chicago Central Business District (CBD). During the fall of 1987, CATS conducted a survey to reexamine the auto occupancy rates and determine any changes that occurred since the 1980 study.

During the spring and summer of 1988 CATS completed a similar survey to determine occupancy rates in the PM peak period for the sites studied during 1987. Since occupancy rates for the PM peak period were not collected in the two previous efforts this document should be viewed as an addendum to Working Paper 88-07 "Auto Occupancy for Areas Outside the Chicago Central Business District", which examined occupancy rates for the AM peak and the midday periods and their changes from 1980 to 1987.

## II. METHODOLOGY

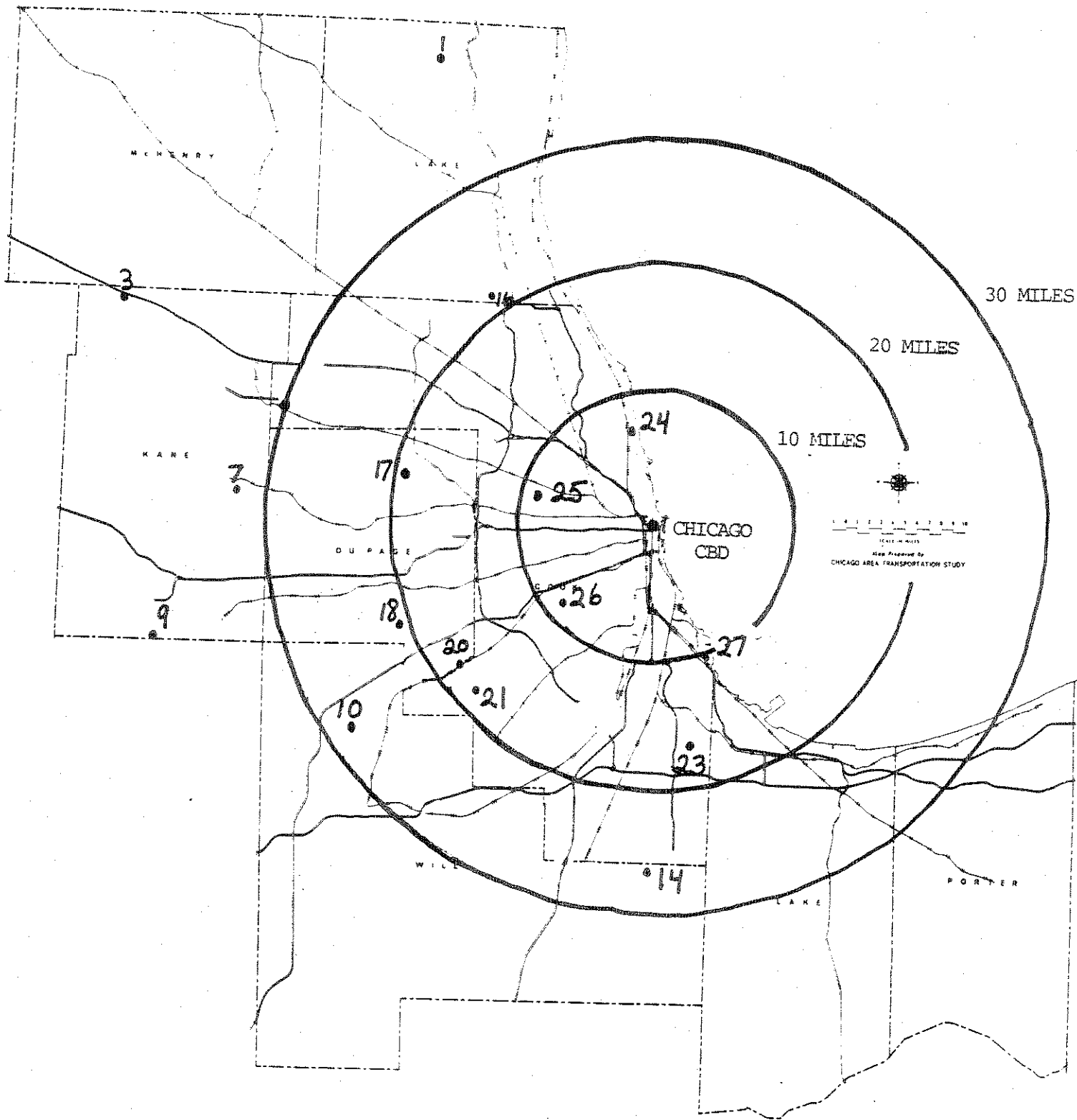
The current study included a balanced geographic sample of count stations. There were four count stations on the 10 mile ring and six count stations each on the 20 and 30 mile rings. In selecting the count stations for the current study it was decided to include only sites from the 1987 survey. This was done so that current results could be appended to past work.

The survey period was from 4:30 PM to 5:30 PM. During this period all passenger vehicles were classified by direction by the number of occupants. At the end of the counting period the number of occupants and vehicles were totaled and the occupancy rate was calculated. The study site locations are listed in Table 1 and shown in Figure 1.

Table 1  
SURVEY LOCATIONS

<u>Station Code</u>	<u>Location</u>	<u>Approximate Distance from CBD (miles)</u>
1	US 45 south of IL 173	30
3	US 20 northwest of I-90	30
7	IL 64 west of St. Charles	30
9	US 30 east of IL 47	30
10	IL 53 @ IL 7	30
14	IL 1 south of Steger Rd.	30
16	IL 21 southeast of US 45	20
17	IL 64 east of IL 53	20
18	IL 53 south of 75th St.	20
20	IL 171 @ IL 83	20
21	US 6 east of IL 43	20
23	Torrence Ave. south of US 6	20
24	US 41 south of Foster Ave.	10
25	IL 64 west of IL 43	10
26	IL 50 south of 63rd St.	10
27	US 41 @ 87th St.	10

FIGURE 1 SURVEY LOCATIONS



### III. RESULTS

A total of 32 directional occupancy counts were completed during the PM peak period. For each of the 16 sites, the number of passenger cars and occupants was totaled. The total numbers of vehicles and occupants were then used to calculate occupancy rates. The PM peak hour rates were then appended to the rates for the AM peak and midday periods to produce a daily average for each site. Table 2 shows the bidirectional occupancy rates for each site. Appendix A gives a complete breakdown of the number of autos and occupants for each site by time period and direction.

Table 2

BIDIRECTIONAL AUTO OCCUPANCY RATE BY TIME OF DAY  
FOR ALL TRIP PURPOSES\*

Location	Distance from CBD (Miles)	Hour Beginning					Overall Average
		7:30 AM	10:30 AM	12:30 PM	2:30 PM	4:30 PM	
US 45 south of IL 173	30	1.24	1.49	1.37	1.38	1.44	1.38
US 20 northwest of I-90	30	1.21	1.46	1.36	1.43	1.29	1.33
IL 64 west of St. Charles	30	1.12	1.21	1.25	1.28	1.31	1.22
US 30 east of IL 47	30	1.19	1.29	1.28	1.26	1.42	1.29
IL 53 @ IL 7	30	1.18	1.28	1.37	1.29	1.31	1.28
IL 1 south of Steger Rd.	30	1.17	1.33	1.34	1.40	1.44	1.35
IL 21 southeast of US 45	20	1.08	1.21	1.28	1.23	1.27	1.22
IL 64 east of IL 53	20	1.08	1.19	1.22	1.17	1.22	1.17
IL 53 south of 75th St.	20	1.11	1.24	1.33	1.31	1.30	1.26
IL 171 at IL 83	20	1.11	1.31	1.27	1.23	1.22	1.22
US 6 east of IL 43	20	1.23	1.31	1.34	1.27	1.45	1.33
Torrence Av. so. of US 6	20	1.18	1.37	1.43	1.47	1.52	1.42
US 41 south of Foster Av.	10	1.24	1.25	1.28	1.29	1.43	1.31
IL 64 west of IL 43	10	1.21	1.28	1.30	1.31	1.39	1.30
IL 50 south of 63rd St.	10	1.22	1.30	1.35	1.30	1.31	1.29
US 41 at 87th St.	10	1.25	1.45	1.48	1.38	1.65	1.44

\* Only the data shown under the hour beginning at 4:30 P.M. is new data. All other data is presented in Working Paper 88-07.

The data for the sites on each of the three rings were averaged for each of the five count periods as shown in Table 3. This was done to facilitate comparisons of the occupancy rates by time period and by distance from the CBD. Table 4 lists the average auto occupancy by counting period.

Table 3

BIDIRECTIONAL AUTO OCCUPANCY RATES BY TIME OF DAY AND ZONE

Distance from Chicago CBD

Hour <u>Beginning</u>	<u>10 miles</u>	<u>20 miles</u>	<u>30 miles</u>
7:30 AM	1.22	1.12	1.16
10:30 AM	1.29	1.28	1.28
12:30 PM	1.33	1.32	1.31
2:30 PM	1.31	1.29	1.31
4:30 PM	1.39	1.32	1.36
Overall Average	1.31	1.27	1.28

Table 4

BIDIRECTIONAL AUTO OCCUPANCY RATES BY TIME OF DAY

<u>Time</u>	<u>Occupancy Rate</u>
7:30 AM	1.16
10:30 AM	1.28
12:30 PM	1.32
2:30 PM	1.30
4:30 PM	1.35
Overall Average	1.28

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APPENDIX A



INTERSECTION: US 45 & ILLINOIS 173

NORTHBOUND

TIME	PERSONS IN VEHICLES					TOTAL VEHICLES	TOTAL PERSONS	TOTAL OCCUPANCY RATE
	1	2	3	4	5			
0730-0930	33	6	0	0	0	39	45	1.15
1030-1130	32	14	2	0	1	49	71	1.45
1230-1330	34	20	2	2	0	58	88	1.52
1430-1530	36	15	3	0	0	54	75	1.39
1630-1730	100	24	6	3	0	133	178	1.34
TOTALS	235	79	13	5	1	333	457	1.37

SOUTHBOUND

TIME	PERSONS IN VEHICLES					TOTAL VEHICLES	TOTAL PERSONS	TOTAL OCCUPANCY RATE
	1	2	3	4	5			
0730-0930	90	16	7	0	0	113	143	1.27
1030-1130	42	22	4	2	0	70	106	1.51
1230-1330	40	10	0	0	0	50	60	1.20
1430-1530	46	22	2	0	0	70	96	1.37
1630-1730	45	19	10	3	0	77	125	1.62
TOTALS	263	89	23	5	0	380	530	1.39

INTERSECTION: US 20 & INTERSTATE 90

EASTBOUND

TIME	PERSONS IN VEHICLES					TOTAL & VEHICLES	TOTAL OCCUPANCY	
	1	2	3	4	5		PERSONS	RATE
0730-0830	71	14	1	0	0	0	86	1.19
1030-1130	44	9	3	2	1	0	59	1.42
1230-1330	53	18	3	2	0	0	76	1.39
1430-1530	53	18	1	2	0	0	74	1.35
1635-1735	94	24	3	1	1	1	124	1.34
TOTALS	315	83	11	7	2	1	419	1.33

WESTBOUND

TIME	PERSONS IN VEHICLES					TOTAL VEHICLES	TOTAL OCCUPANCY	
	1	2	3	4	5		PERSONS	RATE
0730-0830	38	11	1	0	0	50	63	1.26
1030-1130	32	21	2	1	0	56	84	1.50
1230-1330	50	16	3	0	0	69	91	1.32
1430-1530	41	29	4	0	0	74	111	1.50
1635-1735	197	44	8	2	0	251	317	1.26
TOTALS	358	121	18	3	0	500	666	1.33

INTERSECTION: ILLINOIS 64 & ILLINOIS 31

EASTBOUND

TIME	PERSONS IN VEHICLES					TOTAL VEHICLES	TOTAL PERSONS	TOTAL OCCUPANCY RATE
	1	2	3	4	5			
0730-0830	767	67	4	1	0	839	917	1.09
1030-1130	421	84	8	2	0	515	621	1.21
1230-1330	426	120	10	4	1	561	717	1.28
1430-1530	411	129	17	3	1	561	737	1.31
1626-1726	126	36	4	2	0	168	218	1.30
TOTALS	2151	436	43	12	2	2644	3210	1.21

WESTBOUND

TIME	PERSONS IN VEHICLES					TOTAL VEHICLES	TOTAL PERSONS	TOTAL OCCUPANCY RATE	
	1	2	3	4	5				
0730-0830	477	64	9	2	1	0	553	645	1.17
1030-1130	546	109	10	3	0	0	668	806	1.21
1230-1330	587	131	9	3	3	0	733	903	1.23
1430-1530	629	154	8	9	1	0	801	1002	1.25
1626-1726	191	40	16	1	0	1	249	329	1.32
TOTALS	2430	498	52	18	5	1	3004	3685	1.23

INTERSECTION: US 30 & ILLINOIS 47

EASTBOUND

TIME	PERSONS IN VEHICLES					TOTAL VEHICLES	TOTAL PERSONS	TOTAL OCCUPANCY RATE
	1	2	3	4	5			
0730-0830	64	11	2	2	0	79	100	1.27
1030-1130	37	15	0	0	0	52	67	1.29
1230-1330	52	7	2	0	0	61	72	1.18
1430-1530	68	12	3	0	0	83	101	1.22
1630-1730	36	13	6	5	1	61	105	1.72
TOTALS	257	58	13	7	1	336	445	1.32

WESTBOUND

TIME	PERSONS IN VEHICLES					TOTAL VEHICLES	TOTAL PERSONS	TOTAL OCCUPANCY RATE
	1	2	3	4	5			
0730-0830	77	8	1	0	0	86	96	1.12
1030-1130	37	10	2	0	0	49	63	1.29
1230-1330	36	16	1	1	0	54	75	1.39
1430-1530	140	31	7	2	0	180	231	1.28
1630-1730	94	23	3	1	0	121	153	1.26
TOTALS	384	88	14	4	0	490	618	1.26

INTERSECTION: ILLINOIS 53 & ILLINOIS 7

NORTHBOUND

TIME	PERSONS IN VEHICLE					TOTAL VEHICLES	TOTAL PERSONS	TOTAL OCCUPANCY RATE
	1	2	3	4	5			
0730-0830	520	68	14	5	0	607	718	1.18
1030-1130	204	62	2	2	0	270	342	1.27
1230-1330	234	83	9	3	0	329	439	1.33
1430-1530	382	111	16	6	1	516	681	1.32
1630-1730	324	98	14	4	5	435	583	1.34
TOTALS	1664	412	55	20	6	2157	2763	1.28

SOUTHBOUND

TIME	PERSONS IN VEHICLE					TOTAL VEHICLES	TOTAL PERSONS	TOTAL OCCUPANCY RATE
	1	2	3	4	5			
0730-0830	347	52	5	2	0	406	474	1.17
1030-1130	224	59	11	1	1	296	384	1.30
1230-1330	211	86	20	1	1	319	452	1.42
1430-1530	401	89	14	4	0	508	637	1.25
1630-1730	593	134	21	8	5	761	981	1.29
TOTALS	1776	420	71	16	7	2290	2928	1.28

INTERSECTION: HALSTED & STEGER

NORTHBOUND

TIME	PERSONS IN VEHICLE				5	TOTAL	TOTAL	RATE
	1	2	3	4		VEHICLES	PERSONS	
0730-0830	292	37	1	0	0	330	369	1.12
1030-1130	204	49	12	0	1	286	383	1.34
1230-1330	197	75	10	2	0	284	385	1.36
1430-1530	186	79	8	3	0	276	380	1.38
1630-1730	256	139	33	15	3	446	709	1.59
TOTALS	1135	399	64	20	4	1622	2225	1.37

SOUTHBOUND

TIME	PERSONS IN VEHICLE				5	6	TOTAL	TOTAL	RATE
	1	2	3	4			VEHICLES	PERSONS	
0730-0830	188	36	7	3	0	0	234	293	1.25
1030-1130	209	82	4	1	0	1	297	395	1.33
1230-1330	215	70	10	2	0	0	297	393	1.32
1430-1530	251	90	16	4	4	0	365	515	1.41
1630-1730	482	133	22	11	3	0	651	873	1.34
TOTALS	1345	411	59	21	7	1	1844	2469	1.34



INTERSECTION: ILLINOIS 21 & US 45

NORTHBOUND

TIME	PERSONS IN VEHICLE					TOTAL VEHICLE	TOTAL PERSONS	TOTAL OCCUPANCY RATE
	1	2	3	4	5			
0730-0830	614	40	0	1	0	655	698	1.07
1030-1130	392	88	7	4	0	491	605	1.23
1230-1330	528	148	14	6	0	696	890	1.28
1430-1530	491	96	3	3	0	593	704	1.19
1628-1728	1095	180	33	15	0	1323	1614	1.22
TOTALS	3120	552	57	29	0	3758	4511	1.20

SOUTHBOUND

TIME	PERSONS IN VEHICLE					6	7	TOTAL VEHICLE	TOTAL PERSONS	TOTAL OCCUPANCY RATE
	1	2	3	4	5					
0730-0830	997	77	4	2	0	0	0	980	1071	1.09
1030-1130	395	90	3	0	0	0	0	488	584	1.20
1230-1330	570	135	16	13	0	0	0	734	940	1.28
1430-1530	584	157	10	7	2	0	0	760	966	1.27
1628-1728	815	171	37	20	3	1	2	1049	1397	1.32
TOTALS	3261	630	70	42	5	1	2	4011	4948	1.23

INTERSECTION: ILLINOIS 64 & ILLINOIS 53

EASTBOUND

TIME	PERSONS IN VEHICLES					TOTAL VEHICLES	TOTAL PERSONS	TOTAL OCCUPANCY RATE
	1	2	3	4	5			
0730-0830	1274	71	4	0	0	1349	1428	1.06
1030-1130	596	122	7	3	0	728	870	1.20
1230-1330	636	175	3	1	0	815	999	1.23
1430-1530	569	76	4	0	0	649	733	1.13
1616-1716	914	211	36	15	0	1176	1504	1.28
TOTALS	3989	655	54	19	0	4717	5537	1.17

WESTBOUND

TIME	PERSONS IN VEHICLES					TOTAL VEHICLES	TOTAL PERSONS	TOTAL OCCUPANCY RATE
	1	2	3	4	5			
0730-0830	861	65	13	4	1	964	1071	1.11
1030-1130	592	113	7	2	0	714	847	1.19
1230-1330	664	134	17	5	0	820	1003	1.22
1430-1530	619	144	9	0	1	773	939	1.21
1616-1716	1358	179	38	7	1	1582	1861	1.18
TOTALS	4114	634	84	18	3	4853	5721	1.18

INTERSECTION: ILLINOIS ST & 75th STREET

NORTHBOUND

TIME	PERSONS IN VEHICLES					TOTAL VEHICLES	TOTAL PERSONS	TOTAL OCCUPANCY RATE	
	1	2	3	4	5				
0730-0830	821	81	3	2	1	0	908	1005	1.11
1030-1130	247	81	12	3	0	0	343	457	1.33
1230-1330	356	119	14	6	0	0	495	660	1.33
1430-1530	419	99	23	6	1	0	548	715	1.30
1630-1730	659	139	48	17	5	2	870	1186	1.36
TOTALS	2502	519	100	34	7	2	3164	4023	1.27

SOUTHBOUND

TIME	PERSONS IN VEHICLES					TOTAL VEHICLES	TOTAL PERSONS	TOTAL OCCUPANCY RATE
	1	2	3	4	5			
0730-0830	455	37	5	2	0	499	552	1.11
1030-1130	240	33	2	0	0	275	312	1.13
1230-1330	352	117	6	8	0	483	636	1.32
1430-1530	453	110	18	7	4	592	775	1.31
1630-1730	1032	197	48	10	3	1290	1625	1.26
TOTALS	2532	494	79	27	7	3139	3900	1.24

INTERSECTION: ILLINOIS 171 & ILLINOIS 83

NORTHBOUND

TIME	PERSONS IN VEHICLES					TOTAL 5 VEHICLES	TOTAL OCCUPANCY	
	1	2	3	4	PERSONS		RATE	
0730-0830	599	40	3	0	0	642	688	1.07
1030-1130	256	88	10	5	0	359	482	1.34
1230-1330	293	76	5	2	0	376	468	1.24
1430-1530	453	82	14	5	3	557	694	1.25
1700-1800	478	113	24	7	0	622	804	1.29
TOTALS	2079	399	56	19	3	2556	3136	1.23

SOUTHBOUND

TIME	PERSONS IN VEHICLES					TOTAL 6 VEHICLES	TOTAL OCCUPANCY		
	1	2	3	4	PERSONS		RATE		
0730-0830	418	44	11	4	0	0	477	555	1.16
1030-1130	259	78	8	2	0	0	347	447	1.29
1230-1330	266	79	14	1	0	0	360	470	1.31
1430-1530	655	133	5	8	0	1	802	974	1.21
1700-1800	1246	188	23	7	4	0	1468	1739	1.18
TOTALS	2844	522	61	22	4	1	3454	4185	1.21

INTERSECTION: US 6 & ILLINOIS 43

EASTBOUND

TIME	PERSONS IN VEHICLES						TOTAL 8 VEHICLES	TOTAL PERSONS	TOTAL OCCUPANCY RATE	
	1	2	3	4	5	6				
0730-0830	597	114	26	9	6	1	1	753	979	1.30
1030-1130	560	176	9	4	1	0	0	750	960	1.28
1230-1330	679	261	25	4	0	1	0	969	1298	1.34
1430-1530	628	116	23	2	2	0	0	771	947	1.23
1630-1730	671	294	61	13	4	1	0	1034	1500	1.45
TOTALS	3135	951	144	31	13	3	1	4277	5684	1.33

WESTBOUND

TIME	PERSONS IN VEHICLES					TOTAL 6 VEHICLES	TOTAL PERSONS	TOTAL OCCUPANCY RATE	
	1	2	3	4	5				
0730-0830	628	82	14	2	1	0	727	847	1.17
1030-1130	614	227	26	1	2	1	870	1160	1.33
1230-1330	608	251	15	5	1	0	880	1180	1.34
1430-1530	655	202	23	6	3	0	889	1167	1.31
1630-1730	606	240	34	21	8	0	909	1312	1.44
TOTALS	3111	1002	112	35	15	1	4275	5666	1.33

INTERSECTION: TORRENCE AVE. & US 6

TIME	PERSONS IN VEHICLE						TOTAL VEHICLES	TOTAL PERSONS	TOTAL OCCUPANCY RATE
	1	2	3	4	5	6			
0730-0830	289	36	4	2	0	0	331	381	1.15
1030-1130	411	169	12	3	0	0	595	797	1.34
1230-1330	478	268	34	9	1	0	790	1157	1.46
1430-1530	560	302	36	17	6	0	921	1370	1.49
1630-1730	538	251	53	29	6	1	879	1358	1.54
TOTALS	2276	1026	139	60	13	1	3516	5063	1.44

TIME	PERSONS IN VEHICLE					TOTAL VEHICLES	TOTAL PERSONS	TOTAL OCCUPANCY RATE
	1	2	3	4	5			
0730-0830	361	68	6	2	0	437	523	1.20
1030-1130	519	262	15	6	0	802	1112	1.39
1230-1330	604	287	28	8	1	928	1299	1.40
1430-1530	519	252	34	14	3	822	1196	1.45
1630-1730	573	303	48	17	7	948	1426	1.50
TOTALS	2576	1172	131	47	11	3937	5556	1.41

INTERSECTION: US 41 & FOSTER AVENUE

NORTHBOUND

TIME	PERSONS IN VEHICLES					TOTAL VEHICLES	TOTAL PERSONS	TOTAL OCCUPANCY RATE
	1	2	3	4	5			
0730-0830	401	90	4	1	0	496	597	1.20
1030-1130	303	71	6	1	0	381	467	1.23
1230-1330	291	104	6	3	0	404	529	1.31
1430-1530	357	86	16	0	0	459	577	1.26
1630-1730	355	204	42	12	7	620	972	1.57
TOTALS	1707	555	74	17	7	2360	3142	1.33

SOUTHBOUND

TIME	PERSONS IN VEHICLES					TOTAL VEHICLES	TOTAL PERSONS	TOTAL OCCUPANCY RATE
	1	2	3	4	5			
0730-0830	146	11	15	6	1	179	242	1.35
1030-1130	476	123	13	5	0	617	781	1.27
1230-1330	455	119	14	1	0	589	739	1.25
1430-1530	508	165	20	5	0	698	918	1.32
1630-1730	482	132	20	4	2	640	832	1.30
TOTALS	2067	550	82	21	3	2723	3512	1.29

INTERSECTION: ILLINOIS 64 & ILLINOIS 43

EASTBOUND

TIME	PERSONS IN VEHICLES					TOTAL VEHICLES	TOTAL OCCUPANCY	
	1	2	3	4	5		PERSONS	RATE
0730-0830	810	196	4	1	0	1011	1218	1.20
1030-1130	588	161	12	1	0	762	950	1.25
1230-1330	590	200	10	3	0	803	1032	1.29
1430-1530	789	238	18	10	0	1055	1359	1.29
1630-1730	775	236	38	15	0	1064	1421	1.34
TOTALS	3552	1031	82	30	0	4695	5980	1.27

WESTBOUND

TIME	PERSONS IN VEHICLES					TOTAL VEHICLES	TOTAL OCCUPANCY	
	1	2	3	4	5		PERSONS	RATE
0730-0830	673	114	10	6	4	807	975	1.21
1030-1130	688	203	24	8	1	924	1203	1.30
1230-1330	609	203	17	4	5	838	1107	1.32
1430-1530	903	288	31	14	7	1243	1663	1.34
1630-1730	843	300	60	23	14	1240	1785	1.44
TOTALS	3716	1108	142	55	31	5052	6733	1.33



INTERSECTION: ILLINOIS 50 & 63RD STREET

NORTHBOUND

TIME	PERSONS IN VEHICLE					TOTAL VEHICLES	TOTAL PERSONS	TOTAL OCCUPANCY RATE
	1	2	3	4	5			
0730-0930	1776	290	36	14	3	2119	2535	1.20
1030-1130	613	192	21	3	1	830	1077	1.30
1230-1330	589	236	26	6	1	858	1168	1.36
1430-1530	657	148	38	3	3	850	1097	1.29
1630-1730	974	274	48	27	0	1323	1774	1.34
TOTALS	4609	1140	170	53	8	5980	7651	1.28

SOUTHBOUND

TIME	PERSONS IN VEHICLE					TOTAL VEHICLES	TOTAL PERSONS	TOTAL OCCUPANCY RATE	
	1	2	3	4	5				
0730-0930	642	152	21	7	2	0	824	1047	1.27
1030-1130	587	217	13	3	1	0	821	1077	1.31
1230-1330	649	221	17	13	2	0	902	1204	1.33
1430-1530	950	284	14	19	3	1	1270	1651	1.30
1630-1730	1282	389	40	13	0	0	1724	2232	1.29
TOTALS	4110	1263	105	55	8	1	5541	7211	1.30

INTERSECTION: US 41 & B7TH STREET

NORTHBOUND

TIME	PERSONS IN VEHICLE					TOTAL VEHICLES	TOTAL OCCUPANCY	
	1	2	3	4	5		PERSONS	RATE
0730-0830	341	22	10	8	0	381	447	1.17
1030-1130	117	54	7	2	2	182	264	1.45
1230-1330	113	46	6	3	2	170	245	1.44
1430-1530	155	54	6	4	1	220	302	1.37
1635-1735	134	72	13	11	0	230	361	1.57
TOTALS	726	176	29	17	5	953	1258	1.32

SOUTHBOUND

TIME	PERSONS IN VEHICLE					6	7	8	TOTAL OCCUPANCY		
	1	2	3	4	5				VEHICLES	PERSONS	RATE
0730-0830	105	22	8	5	1	0	1	0	143	209	1.46
1030-1130	107	49	10	0	0	1	0	0	167	241	1.44
1230-1330	110	62	11	0	3	0	0	0	186	282	1.52
1430-1530	262	66	21	2	1	2	0	1	355	490	1.38
1635-1735	252	126	45	19	9	0	0	0	451	760	1.69
TOTALS	584	199	50	8	5	3	1	1	1302	1982	1.52



