

City of Southlake



2001
Traffic Count Report

July 13, 2001

Prepared Jointly by:

Planning
Public Works

City of Southlake
2001 Traffic Count Report

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Introduction

The City of Southlake is a rapidly growing community. As such, a great emphasis lies in the collection of data that can be accumulated to monitor trends related to growth. Annual traffic counts have proven to be a useful tool for both municipal and private development planning purposes. This report will present the basic traffic volume data recently collected in Southlake. To maintain accurate counts throughout the City, updated traffic count data will be added to the report as it is received by the City via Traffic Impact Analysis (TIA) submittals for developments.

Purpose of the Report

The main focus of this report is to serve as a “snapshot” of the traffic volume conditions in a fixed point in time. Traffic data from different time periods can be used to analyze trends and assist in correcting problem areas. Traffic data is the foundation of many specialized studies, such as warrant studies, and is used in part when updating the city’s Master Thoroughfare Plan (MTP), which is the basis for acquiring the appropriate amounts of right-of-way necessary to accommodate the ultimate roadways needed in the city.

This report also serves as a valuable economic development tool for real estate brokers, lenders, developers, and others with similar interests. Traffic volume is a critical factor associated with many of the decision points made by these companies when looking to locate businesses in a particular region. This traffic report will also provide current traffic data for any area of interest in the city to residents, property owners, and other interested parties.

Included in the report for the year 2001 are the following: 1) counts for all arterial and major collector roadways in Southlake; 2) last year's total counts for comparison purposes and 3) a trend chart, which can be found on pages 4-5, which shows traffic volume trends for State Highway 114 and F.M. 1709.

Methodology

In May 2001, the City of Southlake contracted with Quality Counts, a traffic counting firm located in Dallas, Texas, to place the traffic counters in Southlake. The data was downloaded to a raw data file, and a printed copy of this data was provided to the City. Between May 1 and May 10, 2001, traffic counters were placed at 65 locations throughout the City, with counts taken from both directions of traffic flow during the weekday. Total traffic volumes were compiled in 15-minute intervals over a 24-hour period. Figures for the 24-hour total and a.m. / p.m. peak hour totals are compiled in Table 2. A map depicting the locations of these counts is attached as Figure 1 (page11).

The raw data sheets, with 15-minute intervals and peak hours defined for each segment, can be obtained for the cost of reproduction. For further information or copies of the raw data sheets, please contact the City of Southlake Planning Department (817) 481-2041.

Definitions

Ref. # - The number associated with a one-directional traffic count location.

Segment – A particular area of roadway, with a beginning point (“*From*”) and an end point (“*To*”) location.

Direction – The direction of traffic flow for each location. Each location has two directions, each listed in a separate row in Table 1, for both northbound and southbound (*NB, SB*) or westbound and eastbound (*WB, EB*).

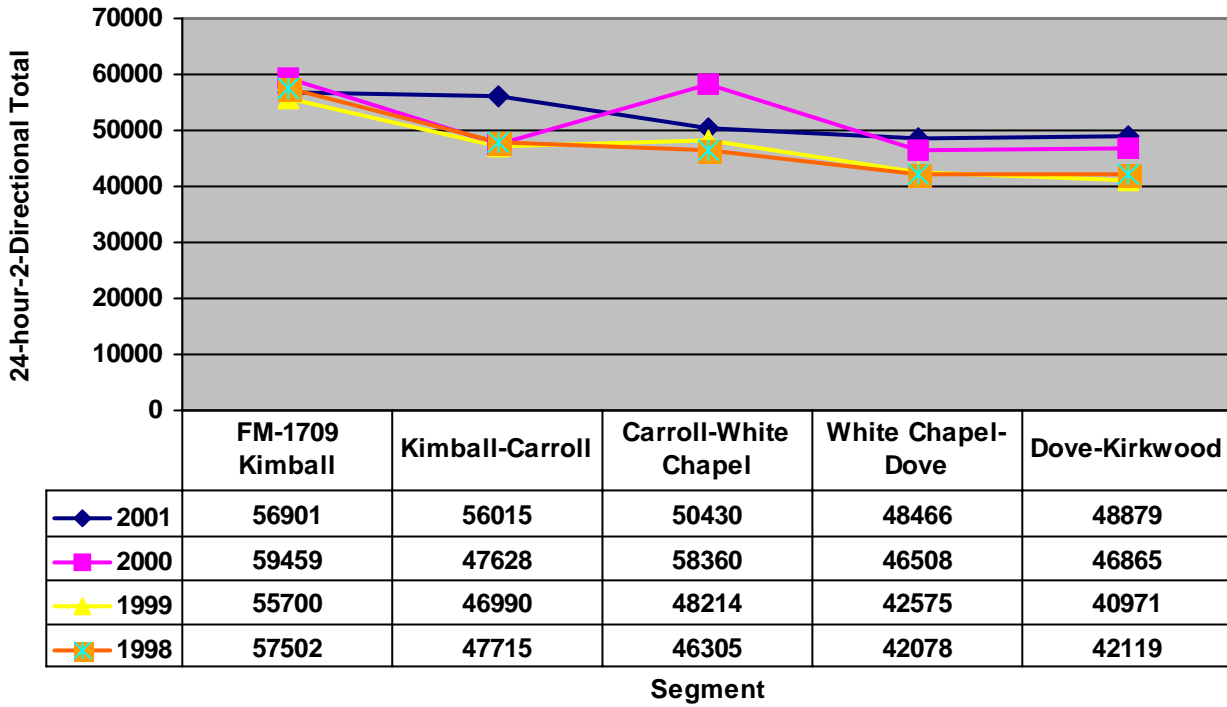
24-Hour Totals – The total traffic volume (each direction) counted during the 24-hour period from 12 a.m. (midnight) to 12 a.m. (midnight) the following day.

A.M. Peak Hour – The one-hour time period between 12 a.m. (midnight) and 12 p.m. (noon) during which the highest one-hour traffic volume occurs, and the associated count.

P.M. Peak Hour – The one-hour time period between 12 p.m. (noon) and 12 a.m. (midnight) during which the highest one-hour traffic volume occurs, and the associated count.

Table 1: Traffic Count Trends for S.H. 114 and F.M. 1709

Traffic Count Trends-S.H. 114



Traffic Count Trends-F.M. 1709

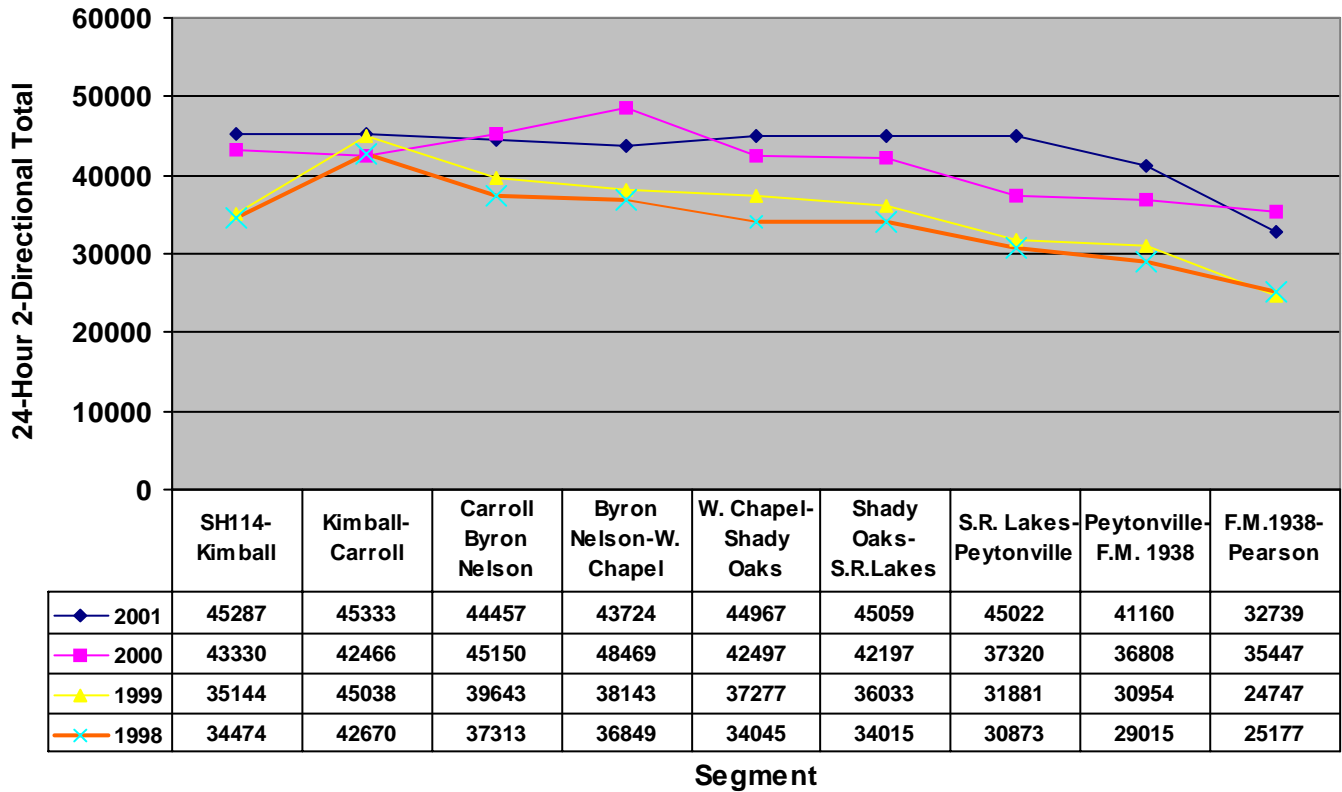


Table 2: Traffic Count Locator Key and Associated Volumes

Ref #	Segment	Begin	End	Direction	24-Hour Total 2000	24-Hour Total 2001	AM Peak Hour Total	PM Peak Hour Total
1	SH 114	FM 1709 (Southlake Blvd)	Kimball	WB	30062	28386	1879 8-9	2274 4-5
2	SH 114	FM 1709 (Southlake Blvd)	Kimball	EB	29397	28515	2639 7-8	2017 5-6
3	SH 114	Kimball	Carroll	WB	23632	28744	1927 7-8	2255 4-5
4	SH 114	Kimball	Carroll	EB	23996	27271	2419 7-8	1958 5-6
5	SH 114	Carroll	White Chapel	WB	23890	24808	1848 8-9	2098 5-6
6	SH 114	Carroll	White Chapel	EB	34470	25622	2134 7-8	1938 5-6

Ref #	Segment	Begin	End	Direction	24-Hour Total 2000	24-Hour Total 2001	AM Peak Hour Total	PM Peak Hour Total
7	SH 114	White Chapel	Dove	WB	22151	23689	1798 7-8	2074 5-6
8	SH 114	White Chapel	Dove	EB	24357	24777	2080 7-8	2073 5-6
9	SH 114	Dove	Kirkwood	WB	22212	23807	1845 8-9	1978 5-6
10	SH 114	Dove	Kirkwood	EB	24653	25072	2000 8-9	2141 5-6
11	FM 1709	SH 114	Kimball	WB	22288	22828	1356 11-12	2104 5-6
12	FM 1709	SH 114	Kimball	EB	21042	22459	2077 7-8	1462 12-1
13	FM 1709	Kimball	Carroll	WB	22723	22928	1297 11-12	2117 5-6
14	FM 1709	Kimball	Carroll	EB	19743	22405	2076 7-8	1436 12-1
15	FM 1709	Carroll	Byron Nelson	WB	24001	23281	1220 11-12	2168 5-6
16	FM 1709	Carroll	Byron Nelson	EB	21149	21176	2057 7-8	1292 12-1
17	FM 1709	Byron Nelson	White Chapel	WB	25786	22390	1168 11-12	2077 5-6
18	FM 1709	Byron Nelson	White Chapel	EB	22683	21334	2114 7-8	1218 4-5
19	FM 1709	White Chapel	Shady Oaks	WB	22009	23558	1441 10-11	1634 2-3
20	FM 1709	White Chapel	Shady Oaks	EB	20488	21409	2207 7-8	1384 12-1
21	FM 1709	Shady Oaks	Southridge Lakes	WB	21748	23767	2056 6-7	1609 2-3
22	FM 1709	Shady Oaks	Southridge Lakes	EB	20449	21292	2198 7-8	1381 12-1
23	FM 1709	Southridge Lakes	Peytonville	WB	19668	23687	2140 6-7	1445 12-1
24	FM 1709	Southridge Lakes	Peytonville	EB	17652	21335	1885 7-8	1497 3-4
25	FM 1709	Peytonville	FM 1938 (Davis Blvd)	WB	19679	20676	1144 11-12	2098 5-6
26	FM 1709	Peytonville	FM 1938 (Davis Blvd)	EB	17129	20484	1708 7-8	1266 12-1
27	FM 1709	FM 1938	Pearson	WB	18556	16105	874 10-11	1704 4-5
28	FM 1709	FM 1938	Pearson	EB	16891	16634	1743 6-7	1106 4-5
29	Crooked Lane	FM 1709	Kimball	SB	1297	1506	132 8-9	144 5-6
30	Crooked Lane	FM 1709	Kimball	NB	1515	1201	103 8-9	123 6-7

Ref #	Segment	Begin	End	Direction	24-Hour Total 2000	24-Hour Total 2001	AM Peak Hour Total	PM Peak Hour Total
31	Crooked Lane	Kimball	Continental	SB	2226	2966	163 8-9	372 6-7
32	Crooked Lane	Kimball	Continental	NB	2715	2506	321 7-8	181 4-5
33	Continental	Crooked Lane	Carroll	WB	1978	1954	118 11-12	270 5-6
34	Continental	Crooked Lane	Carroll	EB	2162	1959	223 7-8	182 5-6
35	Continental	Carroll	Byron Nelson	WB	3858	3854	226 7-8	507 5-6
36	Continental	Carroll	Byron Nelson	EB	3945	4047	633 7-8	294 5-6
37	Continental	Byron Nelson	White Chapel	WB	4490	2898	189 8-9	385 5-6
38	Continental	Byron Nelson	White Chapel	EB	4235	3285	456 7-8	227 3-4
39	Continental	White Chapel	Peytonville	WB	3745	2255	223 7-8	301 5-6
40	Continental	White Chapel	Peytonville	EB	3196	2718	370 8-9	196 1-2
41	Continental	Peytonville	FM 1938	WB	1413	2017	205 8-9	272 5-6
42	Continental	Peytonville	FM 1938	EB	1255	2186	418 8-9	189 3-4
43	Union Church	FM 1938	Pearson	WB	553	496	41 8-9	53 4-5
44	Union Church	FM 1938	Pearson	EB	580	666	53 7-8	56 5-6
45	Highland	Kimball	Carroll	WB	1101	1235	201 7-8	121 6-7
46	Highland	Kimball	Carroll	EB	1041	1115	152 8-9	113 4-5
47	Highland	Carroll	SH 114	WB	1320	1123	147 8-9	106 6-7
48	Highland	Carroll	SH 114	EB	1341	1275	147 8-9	135 5-6
49	Highland	SH 114	White Chapel	WB	2317	2644	178 7-8	315 6-7
50	Highland	SH 114	White Chapel	EB	2099	2777	308 8-9	312 3-4
51	Highland	White Chapel	Shady Oaks	WB	1994	2033	167 8-9	212 3-4
52	Highland	White Chapel	Shady Oaks	EB	1991	2470	383 8-9	271 3-4
53	Turnberry	Shady Oaks	Peytonville	WB	1665	1306	259 7-8	145 3-4
54	Turnberry	Shady Oaks	Peytonville	EB	1406	1363	102 8-9	157 3-4

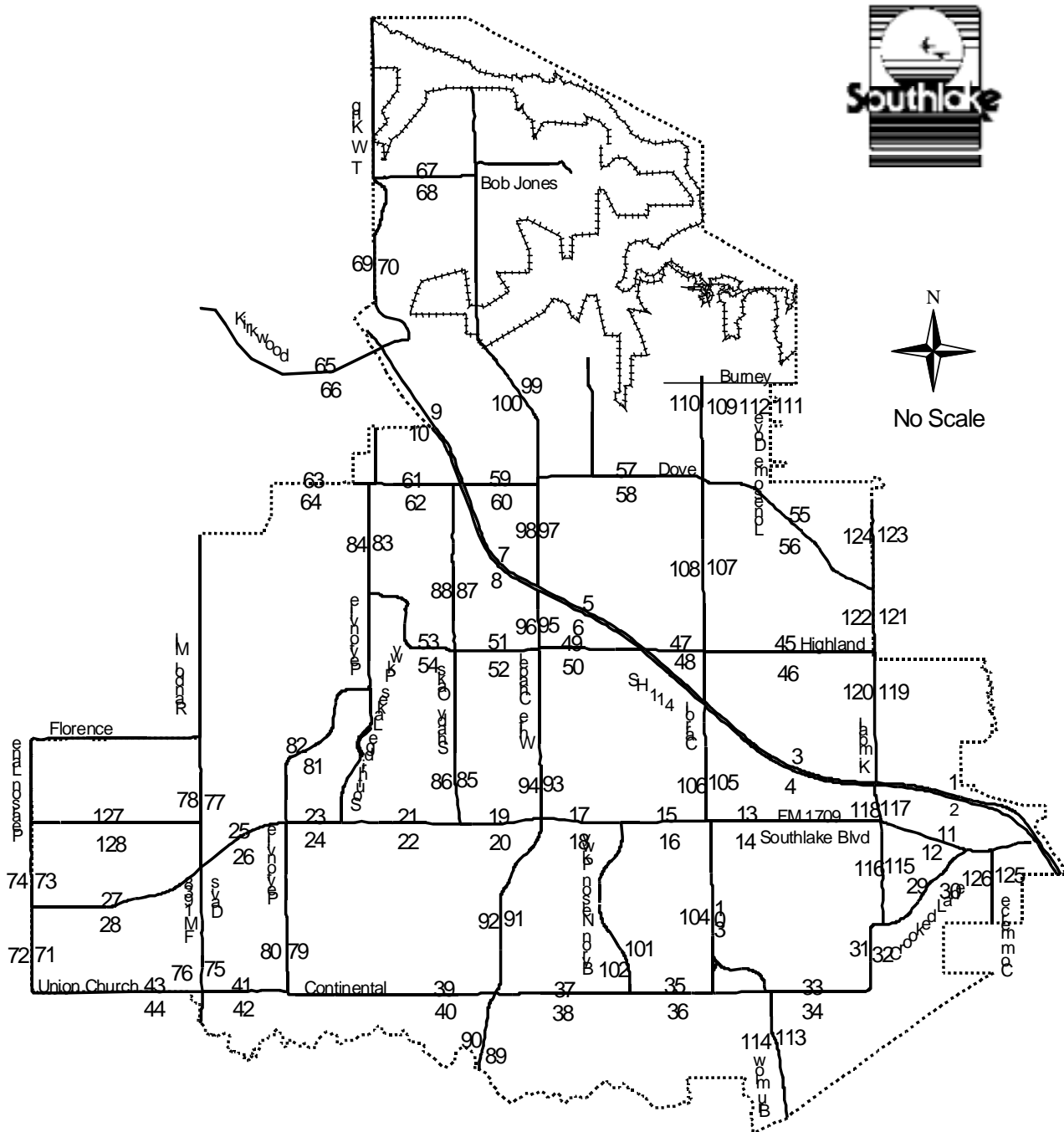
Ref #	Segment	Begin	End	Direction	24-Hour Total 2000	24-Hour Total 2001	AM Peak Hour Total	PM Peak Hour Total
55	Dove	Kimball	Carroll	WB	2314	2679	196 7-8	385 6-7
56	Dove	Kimball	Carroll	EB	2290	2719	324 7-8	229 5-6
57	Dove	Carroll	White Chapel	WB	1415	1950	324 7-8	182 5-6
58	Dove	Carroll	White Chapel	EB	1269	1724	133 8-9	235 5-6
59	Dove	White Chapel	SH 114	WB	460	568	46 8-9	46 2-3
60	Dove	White Chapel	SH 114	EB	455	527	41 9-10	46 2-3
61	Dove	Shady Oaks	Peytonville	WB	166	691	74 8-9	77 4-5
62	Dove	Shady Oaks	Peytonville	EB	322	817	134 8-9	61 6-7
63	Dove	Peytonville	Randol Mill	WB	1025	2301	122 8-9	350 5-6
64	Dove	Peytonville	Randol Mill	EB	1151	1902	333 7-8	130 5-6
65	Kirkwood	SH 114	Precinct Line	WB	975	891	49 7-8	172 5-6
66	Kirkwood	SH 114	Precinct Line	EB	1105	1094	227 7-8	84 12-1
67	Bob Jones	White Chapel	TW King	WB	16	279	24 7-8	49 5-6
68	Bob Jones	White Chapel	TW King	EB	30	269	55 7-8	28 5-6
69	TW King	Kirkwood	Bob Jones	NB	2630	2720	109 8-9	313 6-7
70	TW King	Kirkwood	Bob Jones	SB	2351	2670	385 7-8	162 6-7
71	Pearson	Union Church	FM 1709	NB	897	808	53 8-9	121 5-6
72	Pearson	Union Church	FM 1709	SB	903	1104	76 6-7	119 5-6
73	Pearson	FM 1709	Florence	NB	3181	2797	230 7-8	223 5-6
74	Pearson	FM 1709	Florence	SB	3036	2845	237 7-8	274 4-5
75	FM 1938	Continental	FM 1709	NB	11900	12158	1175 7-8	859 5-6
76	FM 1938	Continental	FM 1709	SB	10781	11240	808 7-8	1035 4-5
77	Randol Mill	FM 1709	Florence	NB	4358	3666	321 7-8	444 5-6
78	Randol Mill	FM 1709	Florence	SB	4035	3922	420 8-9	275 5-6

Ref #	Segment	Begin	End	Direction	24-Hour Total 2000	24-Hour Total 2001	AM Peak Hour Total	PM Peak Hour Total
79	Peytonville	Continental	FM 1709	NB	1726	1494	274 7-8	151 3-4
80	Peytonville	Continental	FM 1709	SB	1309	1366	186 7-8	158 3-4
81	Peytonville	FM 1709	Southridge Lakes	NB	2151	1969	162 8-9	200 3-4
82	Peytonville	FM 1709	Southridge Lakes	SB	2466	2084	275 7-8	205 5-6
83	Peytonville	Southridge Lakes	Dove	NB	1237	919	137 8-9	74 1-2
84	Peytonville	Southridge Lakes	Dove	SB	1229	939	71 7-8	119 4-5
85	Shady Oaks	FM 1709	Highland	NB	1602	1709	285 7-8	168 3-4
86	Shady Oaks	FM 1709	Highland	SB	1773	1593	210 8-9	170 3-4
87	Shady Oaks	Highland	Dove	NB	493	1104	109 8-9	112 3-4
88	Shady Oaks	Highland	Dove	SB	522	1318	194 7-8	123 3-4
89	White Chapel	City Limits	Continental	NB	3564	3451	246 8-9	367 5-6
90	White Chapel	City Limits	Continental	SB	3418	3660	420 8-9	269 5-6
91	White Chapel	Continental	FM 1709	NB	3758	3132	285 8-9	264 5-6
92	White Chapel	Continental	FM 1709	SB	4290	3682	254 8-9	332 5-6
93	White Chapel	FM 1709	Highland	NB	3479	4684	465 8-9	550 3-4
94	White Chapel	FM 1709	Highland	SB	3569	4956	468 8-9	511 3-4
95	White Chapel	Highland	SH 114	NB	2974	2620	246 8-9	242 3-4
96	White Chapel	Highland	SH 114	SB	2549	2519	222 7-8	281 6-7
97	White Chapel	SH 114	Dove	NB	2342	2140	173 7-8	231 5-6
98	White Chapel	SH 114	Dove	SB	2741	2518	281 7-8	231 5-6
99	White Chapel	Dove	Bob Jones	NB	1192	827	55 10-11	122 5-6
100	White Chapel	Dove	Bob Jones	SB	1120	828	96 7-8	88 7-8
101	Byron Nelson	Continental	FM 1709	NB	2358	3303	346 7-8	279 5-6
102	Byron Nelson	Continental	FM 1709	SB	2968	3387	194 8-9	276 4-5

Ref #	Segment	Begin	End	Direction	24-Hour Total 2000	24-Hour Total 2001	AM Peak Hour Total	PM Peak Hour Total
103	Carroll	Continental	FM 1709	NB	2047	3047	248 8-9	267 5-6
104	Carroll	Continental	FM 1709	SB	1505	2807	159 8-9	260 5-6
105	Carroll	FM 1709	SH 114	NB	2926	3612	231 8-9	312 3-4
106	Carroll	FM 1709	SH 114	SB	2215	3811	296 7-8	331 4-5
107	Carroll	Highland	Dove	NB	1841	2089	193 8-9	227 3-4
108	Carroll	Highland	Dove	SB	1749	2303	304 7-8	188 3-4
109	Carroll	Dove	Burney	NB	1550	1357	86 8-9	131 5-6
110	Carroll	Dove	Burney	SB	1572	1472	222 7-8	114 3-4
111	Lonesome Dove	Dove	Burney	NB	1179	1497	63 8-9	206 6-7
112	Lonesome Dove	Dove	Burney	SB	1144	1359	132 7-8	88 5-6
113	Brumlow	SH 26	Continental	NB	5721	6093	417 8-9	532 5-6
114	Brumlow	SH 26	Continental	SB	5873	5937	405 7-8	571 5-6
115	Kimball	Crooked Lane	FM 1709	NB	1426	1958	147 8-9	279 3-4
116	Kimball	Crooked Lane	FM 1709	SB	1288	2080	117 11-12	221 5-6
117	Kimball	FM 1709	SH 114	NB	4824	5669	300 9-10	513 2-3
118	Kimball	FM 1709	SH 114	SB	3902	6096	491 7-8	536 5-6
119	Kimball	SH 114	Highland	NB	4015	3762	166 11-12	338 7-8
120	Kimball	SH 114	Highland	SB	3644	3593	335 9-10	242 7-8
121	Kimball	Highland	Dove	NB	3592	3415	154 8-9	332 3-4
122	Kimball	Highland	Dove	SB	3351	3083	328 7-8	203 5-6
123	Kimball	Dove	City Limits	NB	2236	1513	82 9-10	149 7-8
124	Kimball	Dove	City Limits	SB	2167	1434	171 9-10	94 4-5
125	Commerce	Industrial	FM 1709	NB	3402	2626	273 8-9	227 12-1
126	Commerce	Industrial	FM 1709	SB	2314	3536	286 11-12	387 5-6

Ref #	Segment	Begin	End	Direction	24-Hour Total 2000	24-Hour Total 2001	AM Peak Hour Total	PM Peak Hour Total
127	Johnson	Randol Mill	Pearson	WB	768	739	40 8-9	98 4-5
128	Johnson	Randol Mill	Pearson	EB	872	964	115 8-9	103 4-5
	TOTALS				188173	204344		
129	Southridge Lakes	F.M. 1709	Peytonville	NB	NA	2436	141 8-9	228 6-7
130	Southridge Lakes	F.M. 1709	Peytonville	SB	NA	2897	295 8-9	289 7-8

**Figure 1: Traffic Count Locator Map-
2001**



City of Southlake 2001 Traffic Counts Locator Map