

UCLA

*Transportation
Services*

2006 Cordon Count: Final Report

December 15, 2006

Cordon Count Methodology

- 2006 count was conducted between Monday, October 23 and Friday, October 27, 2006
- Trips were counted at all campus entrances and exits:
 - Campus Automated Traffic Monitoring System (CATMS) utilized for most locations in Main Campus (50% of all trips)
 - Pneumatic hoses utilized on the Southwest Campus and selected locations in Main Campus (48% of all trips)
 - Wilshire Center trips arrived at through an agreed upon formula with LADOT (2% of all trips)
 - All motorized vehicles including two-wheeled vehicles were included in the total traffic volumes monitored

Cordon Count Methodology (cont'd)

- Bus Trips Subtraction

Bus trips made by Municipal Bus Lines during the count period were subtracted from the average daily count total per agreement with the City of Los Angeles

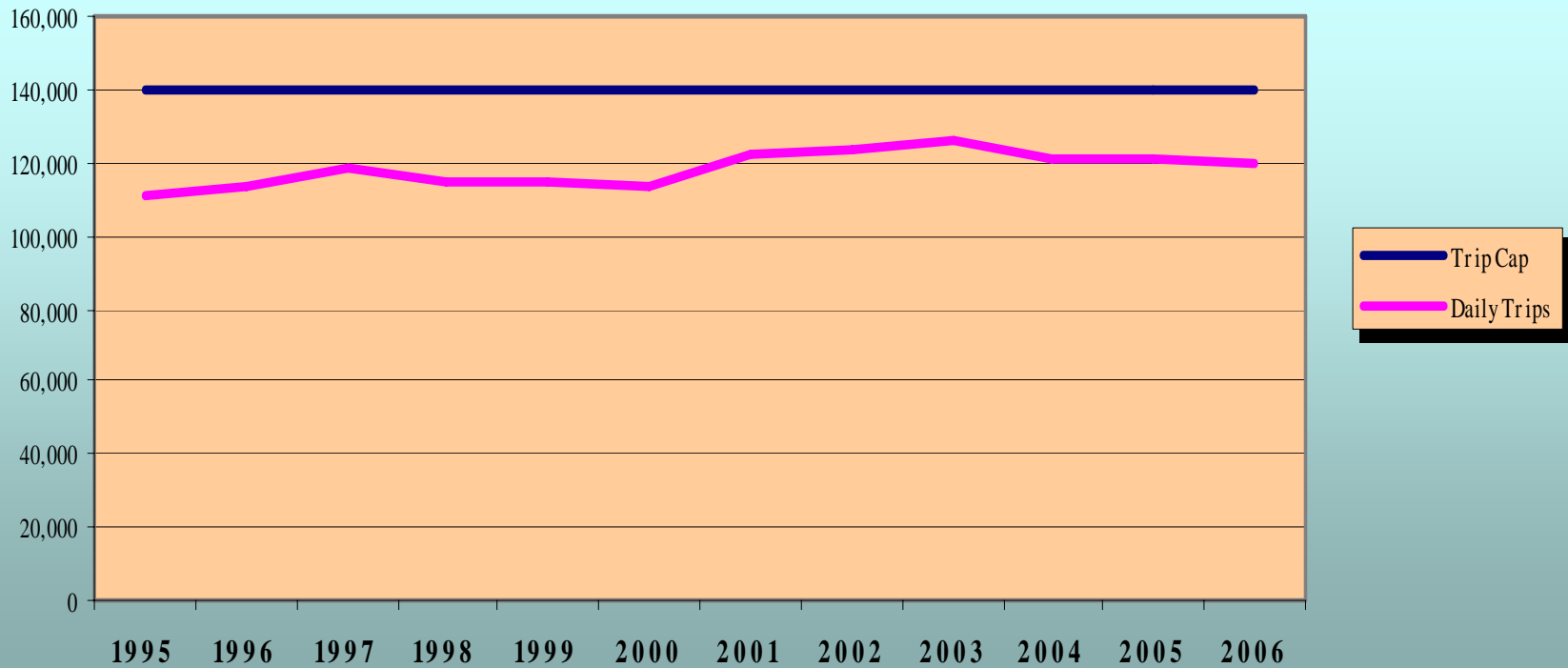
2006 Cordon Count Results

Four Year Comparison of Average Daily Trips

	2003	2004	2005	2006
<i>Trip Cap: 139,500</i>	125,792	121,003	120,610	120,008
<i>Change from Previous Year</i>	1,894	-4,789	-393	-602
<i>% Change from Previous Year</i>	1.5%	-3.8%	-0.3%	-0.5%
<i>Trips below Cap</i>	13,708	18,497	18,890	19,492
<i>% Below Cap</i>	-9.8%	-13.3%	-13.5%	-14.0%

Average Daily Vehicle Trips

Cap: 139,500
1995 - 2006



2006 Cordon Count Results

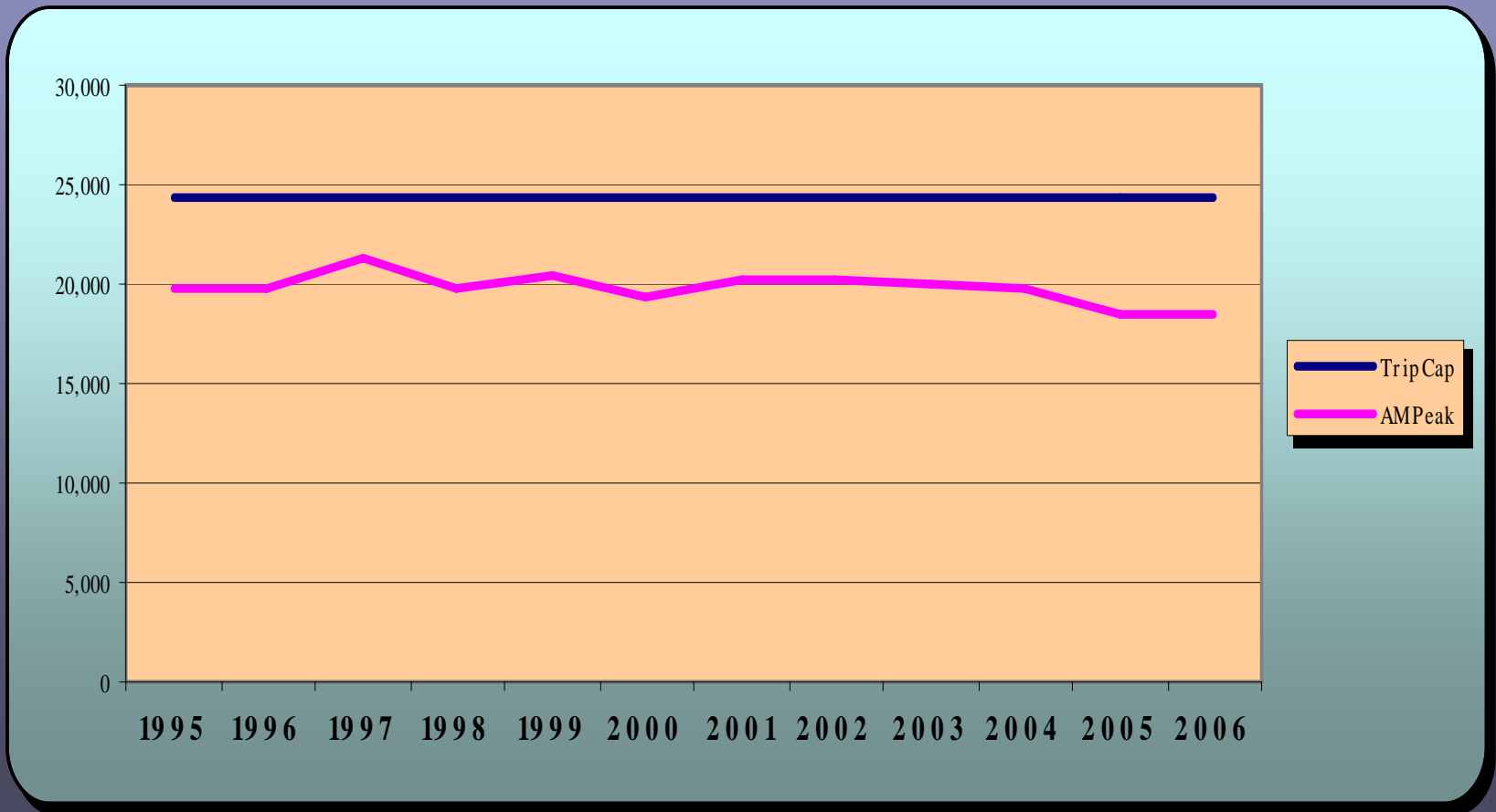
AM Peak Period Counts (7:00 AM – 9:30 AM)

	2003	2004	2005	2006
Cap: 24,320	20,075	19,863	18,538	18,527
Change from Previous Year	-87	-212	-1325	-11
% Change from Previous Year	-0.4%	-1.1%	-6.7%	-0.0%
Trips below Cap	4,245	4,457	5,782	5,793
% Below Cap	17.5%	18.3%	23.8%	23.8%

AM Peak Period Trips (7:00 AM - 9:30 AM)

Cap: 24,320

1995 - 2006



2006 Cordon Count Results

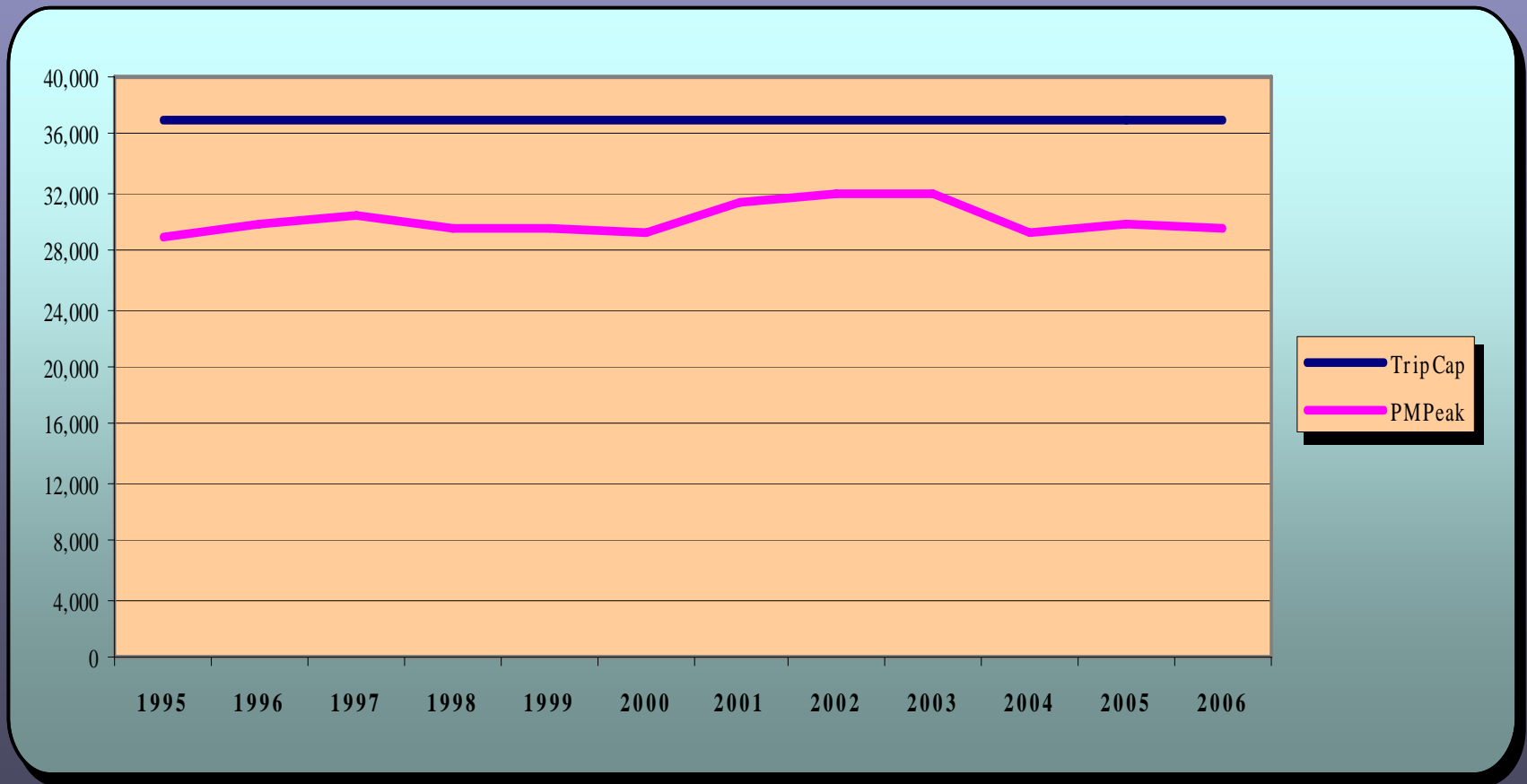
PM Peak Period Counts (3:00 PM – 6:30 PM)

	<i>2003</i>	<i>2004</i>	<i>2005</i>	<i>2006</i>
<i>Cap: 37,122</i>	31,931	29,108	29,790	29,560
<i>Change from Previous Year</i>	83	-2,823	682	-230
<i>% Change from Previous Year</i>	0.3%	-8.8%	2.3%	-0.7%
<i>Trips below Cap</i>	5,191	8,014	7,332	7,562
<i>% Below Cap</i>	14.0%	21.6%	19.8%	20.3%

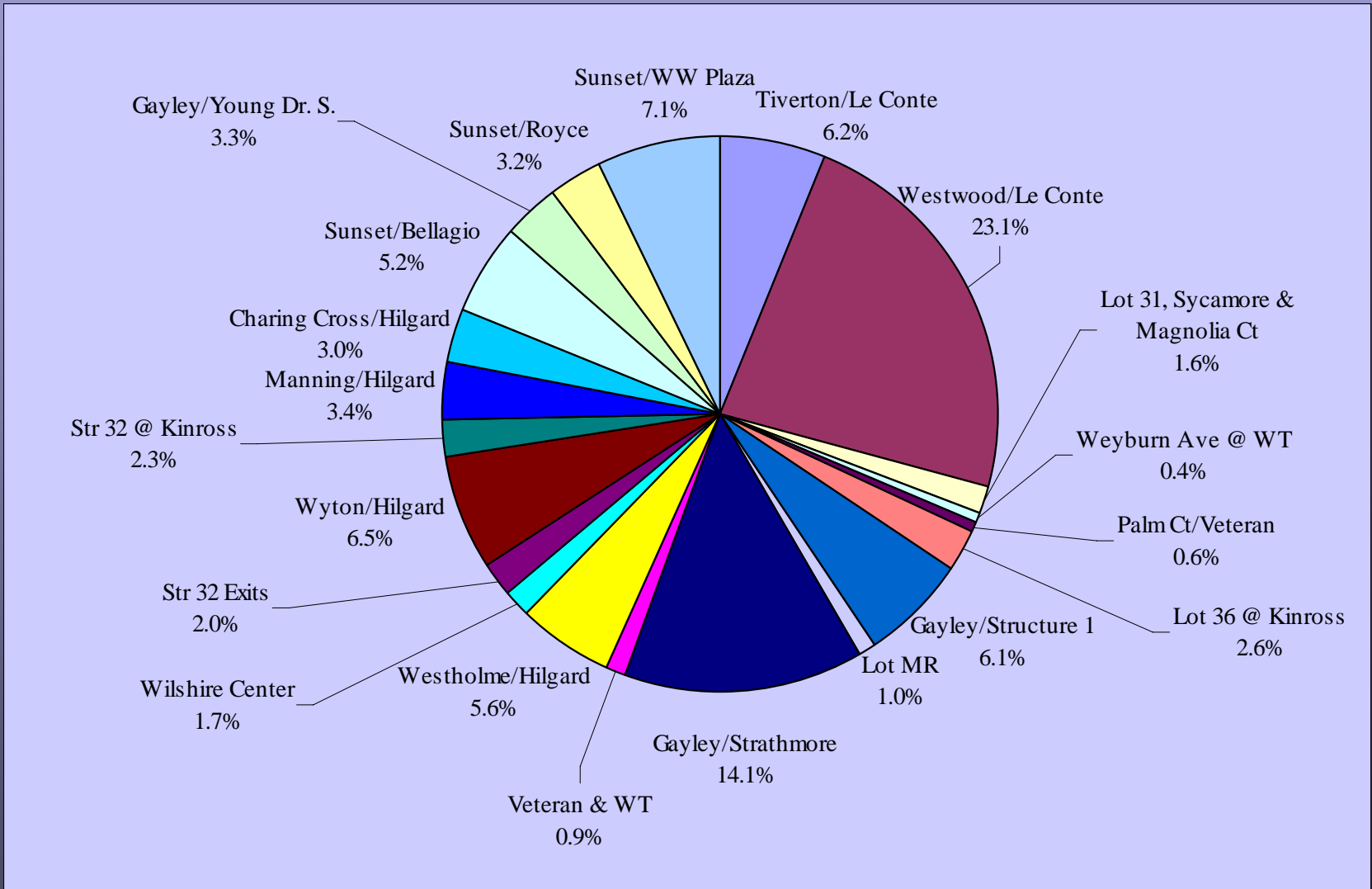
PM Peak Period Trips (3:00 PM - 6:30 PM)

Cap: 37,122

1995 - 2006

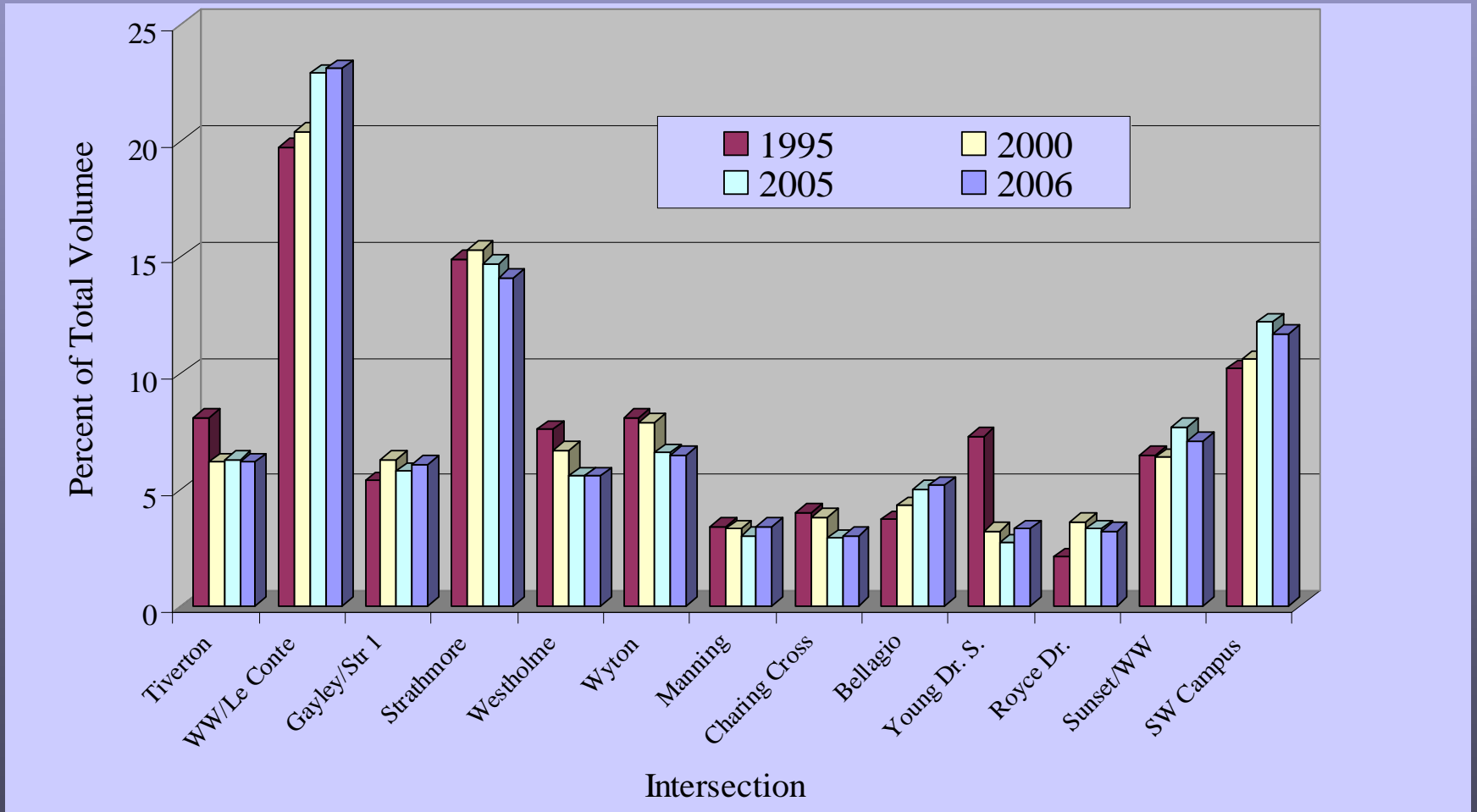


Average Vehicle Trips by Intersection

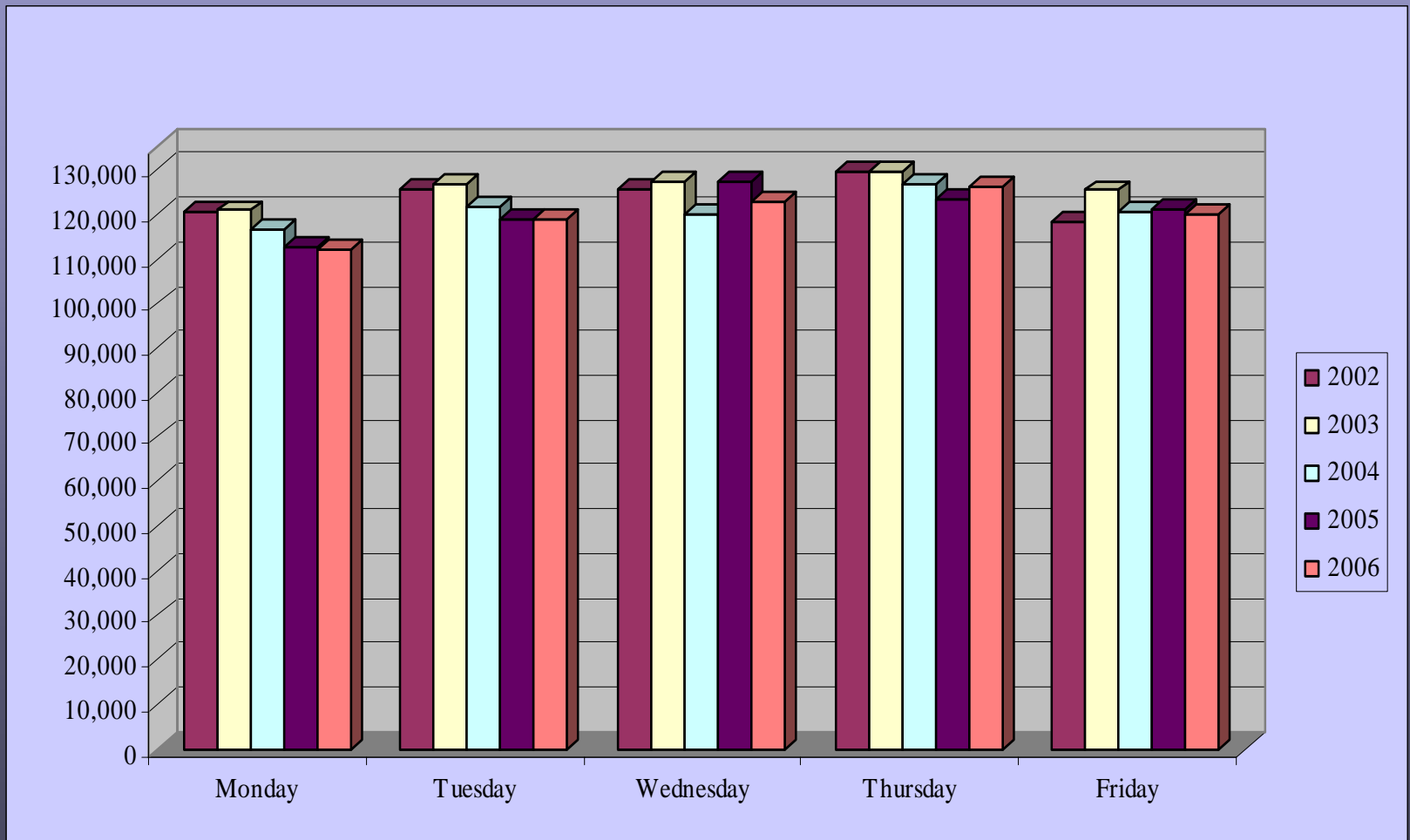


Note: Percentages rounded, does not total 100%

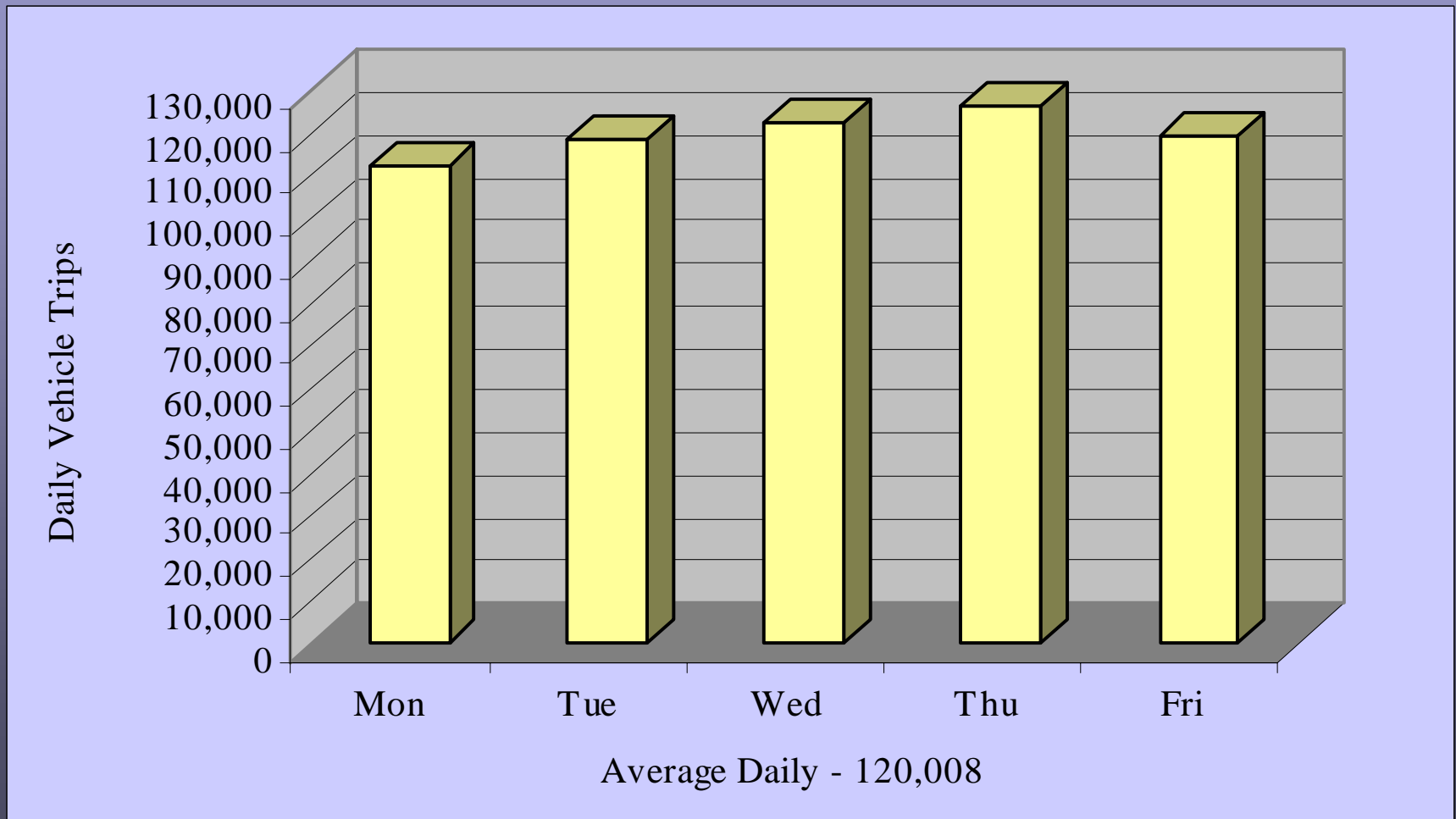
1995-2006 Trend by Intersection (Intersection Trips as a Percent of Total Trips)



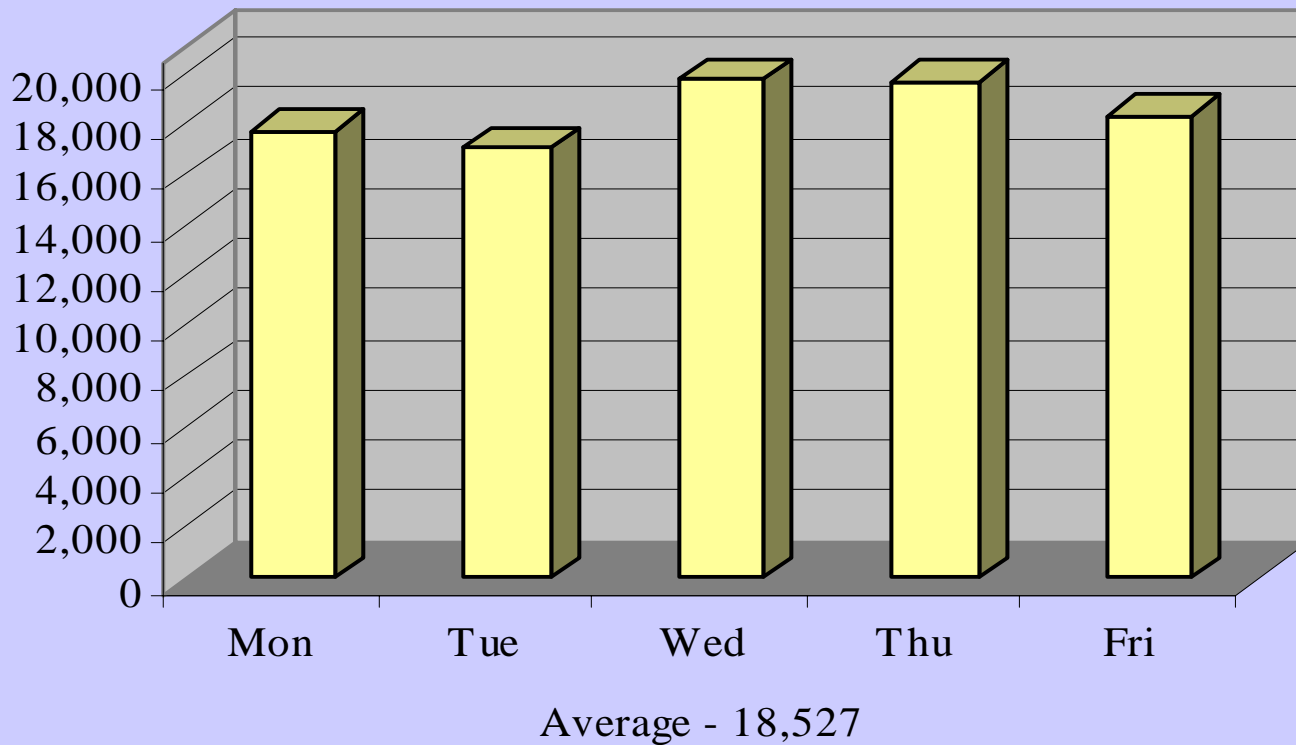
Total Daily Vehicle Trips by Day of Week (2002-2006)



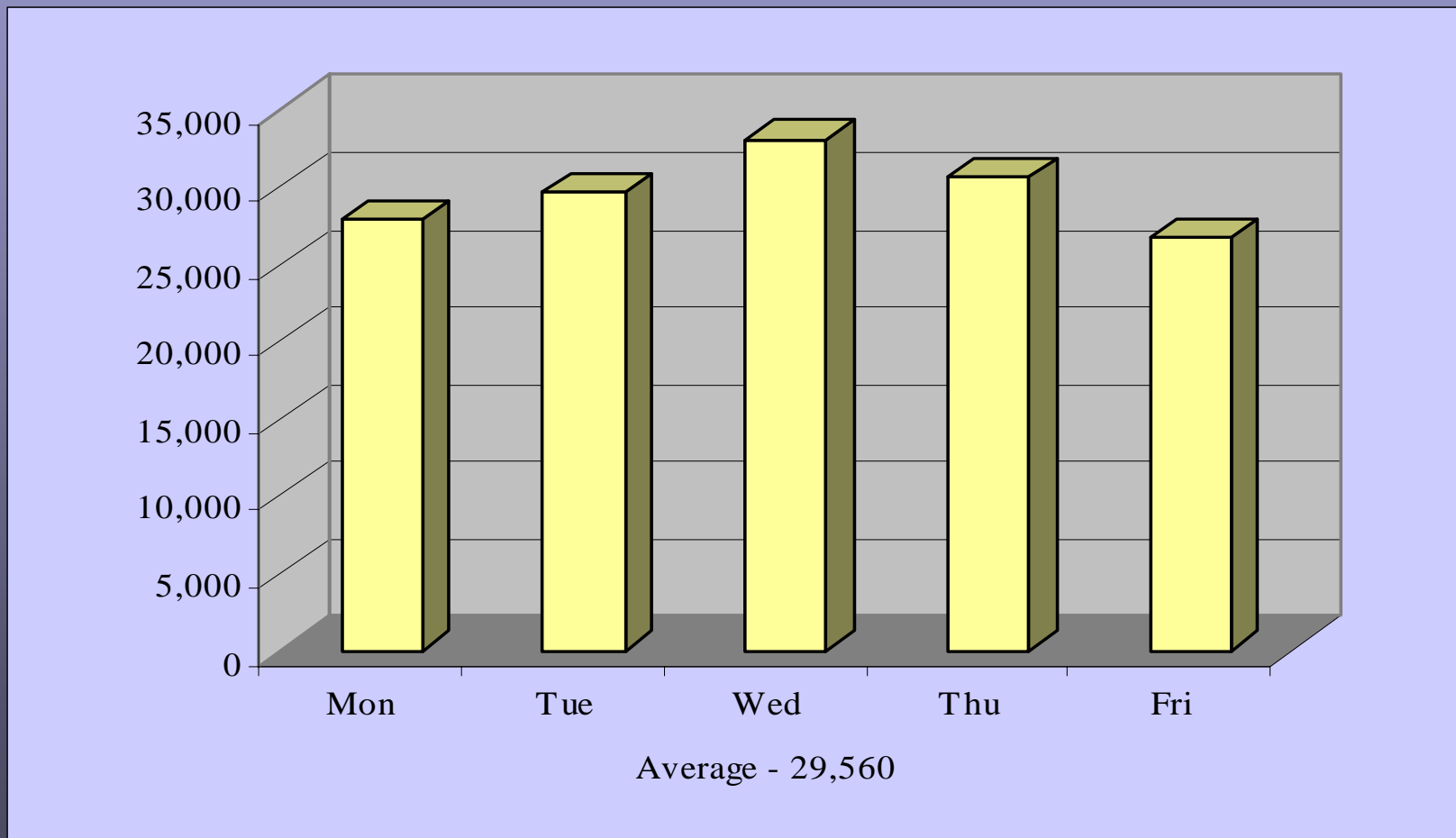
2006 Total Daily Trips by Day of Week



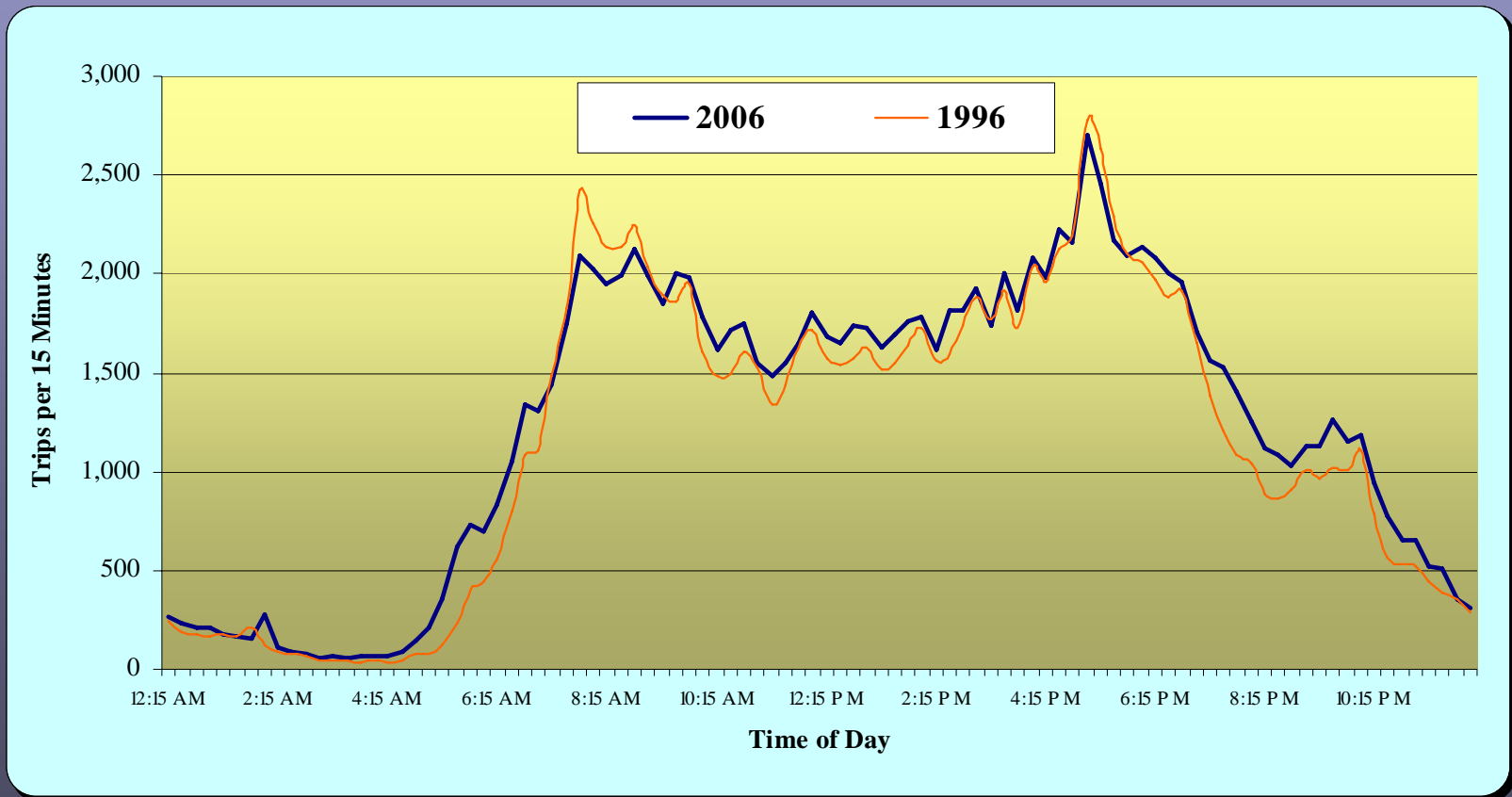
2006 AM Peak Trips (7:00-9:30AM) by Day of Week



2006 PM Peak Trips (3:00-6:30PM) by Day of Week



Average Vehicle Trips by 15-Minute Intervals (1996 vs 2006)



2006 Cordon Count Highlights and Notes

- Trips remained below the cap as follows:
 - Average Daily Trips: 14.0 % below cap
 - AM Peak Period Trips: 23.8 % below cap
 - PM Peak Period Trips: 20.3 % below cap
- During the count period, construction or roadway maintenance were occurring at or near:
 - Young Dr. South and Gayley
 - Manning and Hilgard
 - Westwood and Young Dr. South
 - Tiverton and Young Dr. South

2006 Cordon Count

Highlights and Notes (cont'd)

- Several intersections on the main campus experienced notable changes in trips from last year:

• Gayley/Young Dr. S.*	672	20.6%
• Manning/Hilgard*	405	11.2%
• Sunset/Westwood Plaza	-688	-7.5%
• Sunset/Bellagio	290	4.9%
• Charing Cross/Hilgard	159	4.6%
• Gayley/Strathmore	-802	-4.5%

* Used different count methodology in 2006.

2006 Cordon Count External Factors

- Mid-term Election was approaching and lots of mobilization activities occurred on campus (e.g., Phil Angelides and 2004 presidential candidate Howard Dean visited campus on October 26, 2006).
- The average price of self-serve regular gasoline in the Los Angeles-Long Beach area was \$2.47 on October 27 2006, which was 6.2 cents lower than the week before, 33 cents lower than September 2006, 30 cents lower than last year and similar to that in 2004*.

* Sources:

a. <http://www.bizjournals.com/losangeles/stories/2006/10/23/daily45.html>;

b. UCLA 2005 Cordon Count Report.

Campus Data

■ Campus Population Estimates*

	2005	2006	2005-06 Changes
Students	34,278	34,545	+267
Staff Employees	15,179	15,089	-90
Academic Employees	5,592	5,776	+184
Total Populations	55,049	55,410	+361

* Provided by Kelly Wahl with UCLA Office of Analysis and Information Management (AIM).

Campus Data (cont'd)

- **Students Living On-Campus***

	2005	2006	2005-06 Changes
Northwest Campus	8,411	9,275	+864
Southwest Campus	1,293	1,358	+65
Total	9,704	10,633	+929

* Figures provided by Angela Marciano from UCLA Housing & Hospitality Services.

Campus Data (cont'd)

- **Average Vehicle Ridership (AVR)***

SCAQMD Rule 2202 Employee Commute Reduction Plan annual analysis reflects a 2006 AVR of 1.62 and a 2005 AVR of 1.57.

* From UCLA Transportation Services

Campus Data (cont'd)

■ Parking Permits Issued*

	Fall 2005	Fall 2006	2005-06 Changes
Staff	12,528	12,855	+327
Faculty	3,198	3,202	+4
Student	9,312	9,599	+287
Night/Other	9,149	9,485	+336
Total	34,187	35,141	+954

* Calculated from the Transportation Services Permit Usage Reports of fall 2005 and fall 2006.

Campus Data (cont'd)

■ Campus Parking Space Inventory

- 2004 Marked Spaces – 22,460
- 2005 Marked Spaces – 23,642
- 2006 Marked Spaces – 23,614

■ Vanpool Occupancy

- 2004 – 1,510 full-time riders, 792 one-way part-time riders
- 2005 – 1,499 full-time riders, 734 one-way part-time riders
- 2006 – 1,528 full-time riders, 728 one-way part-time riders

Summary of Factors Influencing the 2006 Cordon Count

Change from 2005 to 2006	Likely Impact on Campus Vehicle Trips
954 additional permits issued*	Increase
Campus population increased by 361	Increase
Gas prices decreased by 30¢	Increase
Additional TDM Programs Offered / Higher AVR achieved	Decrease
Students living on campus increased by 929	Decrease
Introduction of parking pay stations	Negligible
End of construction activities in southwest campus	Negligible

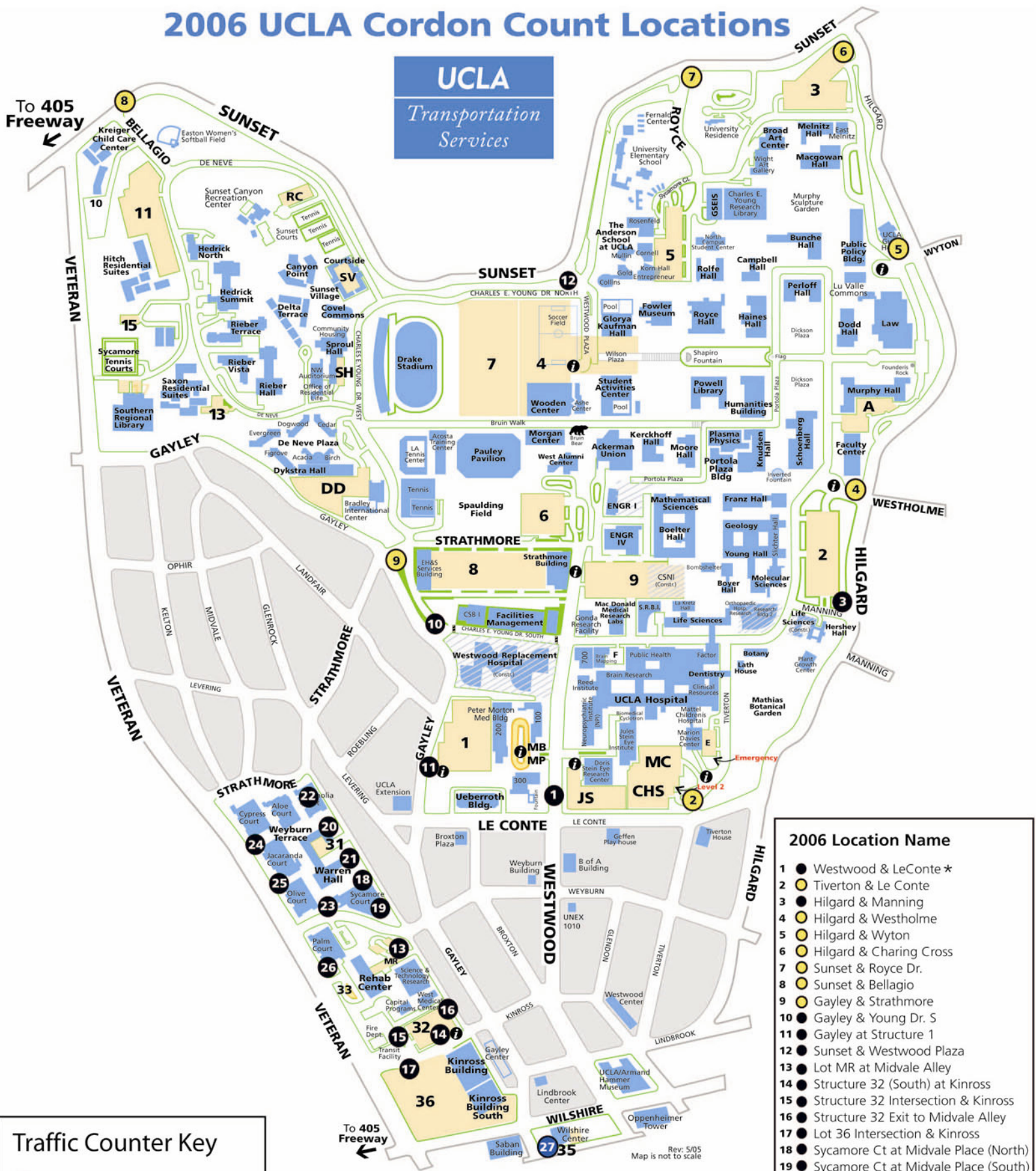
* Calculated from the Transportation Services Permit Usage Reports for falls 2005 and 2006.

Addendum

- 2006 Cordon Count Locations
- 2006 Cordon Count Results Comparison

2006 UCLA Cordon Count Locations

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Traffic Counter Key

- Campus Automated Traffic Monitoring System (CATMS)
- Hose Counts
- Other Counting Methodology

2006 Location Name

- 1 ● Westwood & LeConte *
 - 2 ● Tiverton & LeConte
 - 3 ● Hilgard & Manning
 - 4 ● Hilgard & Westholme
 - 5 ● Hilgard & Wyton
 - 6 ● Hilgard & Charing Cross
 - 7 ● Sunset & Royce Dr.
 - 8 ● Sunset & Bellagio
 - 9 ● Gayley & Strathmore
 - 10 ● Gayley & Young Dr. S
 - 11 ● Gayley at Structure 1
 - 12 ● Sunset & Westwood Plaza
 - 13 ● Lot MR at Midvale Alley
 - 14 ● Structure 32 (South) at Kinross
 - 15 ● Structure 32 Intersection & Kinross
 - 16 ● Structure 32 Exit to Midvale Alley
 - 17 ● Lot 36 Intersection & Kinross
 - 18 ● Sycamore Ct at Midvale Place (North)
 - 19 ● Sycamore Ct at Midvale Place (South)
 - 20 ● Lot 31 at Midvale Place (North)
 - 21 ● Lot 31 at Midvale Place (South)
 - 22 ● Magnolia Ct at Midvale Place
 - 23 ● Weyburn Ave at Weyburn Terrace
 - 24 ● Weyburn Terrace at Veteran (North)
 - 25 ● Weyburn Terrace at Veteran (South)
 - 26 ● Veteran and Palm Court
 - 27 ● Wilshire Center
- * Two Sets of Hose Counts

Rev: 5/05
Map is not to scale

2006 Cordon Count Results Comparison

Location	Oct 23,2006	Oct 24,2006	Oct 25,2006	Oct 26,2006	Oct 27,2006	2006	2005	2006 vs. 2005
	Monday	Tuesday	Wednesday	Thursday	Friday	5 Day Average	5 Day Average	% Difference
Tiverton/Le Conte	7132	7642	7756	7393	7199	7424	7567	-1.9%
Westwood/Le Conte*	26696	27613	27550	29486	28017	27682	27662	0.1%
Gayley/Structure 1	7090	7294	7668	7443	6838	7267	6969	4.3%
Gayley/Strathmore	15773	16117	16534	17626	18422	16894	17697	-4.5%
Westholme/Hilgard	6660	7123	7062	7202	5744	6758	6806	-0.7%
Wyton/Hilgard	7487	8145	8364	8924	6170	7818	8013	-2.4%
Manning/Hilgard	3360	3360	4335	4519	4586	4032	3627	11.2%
Charing Cross/Hilgard	3508	3867	3782	3974	2935	3613	3454	4.6%
Sunset/Bellagio	5585	5578	5808	6177	8212	6272	5982	4.9%
Gayley/Young Dr. S.**	3525	3836	4163	4182	3962	3934	3262	20.6%
Sunset/Royce	3381	3757	4294	4314	3577	3865	3993	-3.2%
Sunset/Westwood Plaza	7647	8946	8633	9144	8343	8543	9231	-7.5%
Total Main Campus	97844	103278	105949	110384	104005	104292	104262	0.0%
Str 32 @ Kinross Intersection	2692	2895	3005	2936	2549	2815	3385	-16.8%
Lot 31 S.	380	432	842	624	645	585	523	11.8%
Lot 31 N.	575	565	721	615	589	613	569	7.7%
Lot MR	1032	1275	1205	1218	1287	1203	1155	4.2%
Str 32 Exit @ Midvale Alley	304	267	335	293	287	297	595	-50.0%
Str 32 South Entrance/Exit	2069	2494	2531	2384	2252	2346	1907	23.0%
Lot 36 @ Kinross Intersection	2955	3139	3437	3086	2839	3091	3155	-2.0%
Palm Court/Veteran	641	818	777	751	825	762	921	-17.2%
Magnolia Court/Midvale	189	213	195	181	281	212	277	-23.5%
Weyburn Ter at Veteran N.	653	690	691	768	814	723	594	21.8%
Weyburn Ter at Veteran S.	342	343	359	399	452	379	469	-19.3%
Weyburn Ter @ Weyburn Av.	415	402	480	516	607	484	640	-24.4%
Sycamore Court. N.	220	210	315	267	328	268	207	29.6%
Sycamore Court. S.	234	234	282	292	360	280	294	-4.7%
Total Southwest Campus	12701	13977	15175	14330	14115	14060	14692	-4.3%
Wilshire Center	2058	2058	2058	2058	2058	2058	2058	0.0%
Total Campus	112603	119313	123182	126772	120178	120410	121012	-0.5%
Bus Trips Substraction	402	402	402	402	402	402	402	0.0%
Net Total Campus	112201	118911	122780	126370	119776	120008	120610	-0.5%