

*Revised Final Report*

# **CONGESTION MANAGEMENT PROGRAM SPRING 2006 LEVEL OF SERVICE MONITORING**

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**Prepared for:**

San Francisco County Transportation Authority

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## INTRODUCTION

The California Government Code mandates the development of a Congestion Management Program (CMP) for each county in the state to manage the effects of land use decisions on the transportation system, and vice versa. It requires that all elements of the CMP be monitored at least biennially by the designated Congestion Management Agency (CMA) to determine if the county and city governments, known as Member Agencies, conform to the CMP. The San Francisco County Transportation Authority (SFCTA) is the designated CMA for San Francisco County, and therefore is responsible for CMP monitoring.

Kimley-Horn and Associates, Inc. (Kimley-Horn) was retained by the San Francisco County Transportation Authority to document the Congestion Management Program Level of Service (LOS) Monitoring for Spring 2006. Contained in this report is a description of the annual monitoring and conformance requirements as well as the results and LOS conformance findings for the approximate 276 arterial and freeway segments surveyed, consisting of approximately 210 miles of arterials and 33 miles of freeways.

## LOS STANDARD

The California Government Code requires the establishment of operating standards for the CMP designated network of roadway facilities, and it allows the CMA to choose the methods and sources for measuring LOS. Member Agencies must demonstrate that all CMP system roadways within their jurisdictions are operating at or above the CMP traffic LOS standard. Section 65089(b)(1)(B) states that "In no case shall the LOS standards established be below the LOS E or the current level, whichever is farthest from LOS A. When the level of service on a segment or at an intersection fails to attain the established level of service standard, a deficiency plan shall be adopted pursuant to section 65089.4." **Table 1** provides descriptions of traffic conditions associated with each of the six basic levels of service.

For LOS monitoring purposes, the CMP network segments are divided into three categories:

- Exempted – segments which were at LOS F during the first monitoring cycle (1991) and are legislatively exempted from the LOS E standard;
- Tier 1 – non-exempt segments which were at a LOS D, E, or F during the most recent monitoring cycle; and
- Tier 2 – non-exempt segments which were at a LOS A, B, or C during the most recent monitoring cycle.

Tier 1 segments are monitored each cycle since these are the segments with the greatest potential to exceed (or fail) the LOS standard. Exempted segments and Tier 2 segments are monitored periodically, no less than every three monitoring cycles. The Spring 2006 monitoring cycle collected data on all CMP network segments.

The CMP LOS standard for San Francisco County is consistent with CMP mandated criteria and was established at LOS E in the initial (1991) CMP network. This is the desirable level of service for roadways to provide vehicle movement during peak periods. Facilities which operated at LOS F at the time of the 1991 “baseline” monitoring are legislatively exempt from the LOS standards. These exempt facilities are monitored periodically for planning purposes. For freeway segments, Level of Service F is reached when the average speed is less than 30 mph. For non-freeway routes of Class 3, which comprises the majority of the segments in the CMP roadway network, Level of Service F is reached when the average speed is less than 7 mph.

The SFCTA uses the methodology of the *Highway Capacity Manual (HCM)* to monitor LOS on the CMP network. All freeway and arterial segments in the network are monitored using the floating vehicle technique, which allows for determination of LOS on the basis of average operating speed. The specific methodologies used for monitoring freeway and arterial segments are listed below:

- Freeway Segments – Evaluated using the “basic freeway sections” methodology in the 1985 HCM, Chapter 3. This methodology determines level of service for each freeway segment using its relation to average travel speed.
- Arterial Segments – Evaluated using the “urban and suburban arterials” methodology in the 1985 HCM, Chapter 11. Urban street LOS is based on the relation between it and the average through-vehicle travel speed for the segment or for the entire street under consideration. Travel speed is the basic service measure for urban streets. The average travel speed is computed from the running times on the urban street and the control delay of through movements at signalized intersections.

**Table 1** describes the operational characteristics associated with each level of service category.

**Table 1 – Intersection Level of Service Definitions**

LOS	Description
A	Free flow with no delays. Users are virtually unaffected by others in the traffic stream.
B	Stable traffic. Traffic flows smoothly with few delays.
C	Stable flow but the operation of individual users becomes affected by other vehicles. Modest delays.
D	Delay becomes more noticeable.
E	Traffic volumes are at or close to capacity, resulting in significant delays and average speeds which are no more than about one-third the uncongested speed.
F	Traffic demand exceeds available capacity with very slow speeds, long delays and standing queues at signalized intersections.

**Table 2** and **3** show the relationship between average travel speed and level of service for each classification of arterial roadway and freeway segment, respectively.

**Table 2 – Arterial Level of Service**

Arterial Class	I	II	III
Range of Free Flow Speeds (mph)	45 to 35	35 to 30	35 to 25
Typical Free Flow Speed (mph)	40 mph	33 mph	27 mph
Level of Service	Average Travel Speed (mph)		
A	≥35	≥30	≥25
B	≥28	≥24	≥19
C	≥22	≥18	≥13
D	≥17	≥14	≥9
E	≥13	≥10	≥7
F	<13	<10	<7

**Table 3 – Freeway Level of Service**

LOS	Density (pc/mi/ln)	Speed (mph)	v/c Ratio	Saturation Flow (pcphpl)
A	≤12	≥60	0.35	700
B	≤20	≥55	0.58	1,000
C	≤30	≥49	0.75	1,500
D	≤42	≥41	0.90	1,800
E	≤67	≥30	1.00	2,000
F	>67	<30	–	–

## DATA COLLECTION

Kimley-Horn and our sub-consultant, All Traffic Data, used the floating vehicle technique to collect data for approximately 276 arterial and freeway segments consisting of approximately 210 miles of arterials and 33 miles of freeway. The floating vehicle technique allows for determination of LOS on the basis of average operating speed obtained from the surveys completed. **Table 4** provides further detail on the CMP segments included in the scope of the data collection.

**Table 4 – Spring 2006 Monitoring Cycle CMP Segments**

Segments	AM Peak		PM Peak		Total	
	No.	Dist.	No.	Dist.	No.	Dist.
Arterial	262	210.1	260	209.6	522	419.7
Freeway	14	32.6	14	32.6	28	65.2
Total	276	242.7	274	242.7	550	485.4

Monitoring consisted of travel time surveys that were conducted between March and June 2006. Travel time surveys were collected during the AM peak period between 7:00am and 9:00am and during the PM peak period between 4:00pm and 6:00pm. Surveys were not conducted on Monday mornings and Friday afternoons to avoid traffic conditions considered atypical to average operation levels. Spreadsheets summarizing and detailing the travel time surveys completed for each segment are provided in the **Appendix**. Each spreadsheet lists the average travel time, average delay time, average number of stops, average travel speed, and average free flow travel speed for each corridor. The average delay time and number of stops is additional information beyond the requirements of this report but effect total travel time, and therefore can be used by the Authority in future planning studies or deficiency planning.

Each arterial and freeway segment was surveyed four times per segment in both the AM and PM peak periods. Upon completion of the four surveys for each segment, Kimley-Horn calculated the average speed of each run conducted. To conform to recommended procedures established by the Institute of Transportation Engineers, Kimley-Horn used the calculated average speed data to verify that a minimum sample size was satisfied. If the surveys were found to be insufficient, additional travel time runs on specific segments were completed to conform to the ITE procedure. Additional runs were conducted on June 8 and 9, 2006. Additional freeway runs were conducted on August 20 as well as September 14, 15, 19, 26, and 28, 2006.

### **Confidence Limits**

Based on the purpose of the travel time surveys conducted for this report, an error of  $\pm 2.0$  mph to  $\pm 4.0$  mph is permitted in the calculation of the mean travel speed. This permitted error relates to an appropriate minimum sample size requirement for travel time studies with a confidence level of 95%<sup>1</sup>. **Table 5** shows the relation between the allowable range in average travel speed and the number of runs required for the surveys conducted for this report. As noted, for segments which did not satisfy these requirements, additional travel time surveys were collected. For this report, the number of samples varied between four and six, depending on the conformance level. The number of runs conducted for each segment is listed in the **Appendix**.

**Table 5 – Sample Size Requirements for Studies with 95% Confidence Level**

Average Range in Travel Speed (mph)	Minimum Number of Runs
2.5	2
5.0	2
10.0	4
15.0	6
20.0	8

### **Construction Activities**

During the period of the data collection there were several areas in the City where construction activities had a distinct effect on traffic flow characteristics. To the extent possible, data collection was delayed for these segments to limit the collection of data during construction activity. Despite these efforts, the following roadways were surveyed when detours, lane closures, or other construction activities were in place.

- 3rd Street
- 4th Street
- US Highway 101
- Interstate 80

### **Segment Changes**

Based on observations during collection of the data for this report, it is recommended that the following segment boundaries be considered for modification by the Authority:

- King Street (5<sup>th</sup> Street – 2<sup>nd</sup> Street)
- 4<sup>th</sup> Street (Harrison Street – King Street)

<sup>1</sup> Institute of Transportation Engineers, Transportation and Traffic Engineering Handbook, p 17.12, 1982.

## MONITORING RESULTS

The Spring 2006 travel time survey results are summarized in the following tables.

- **Table 6** – AM Peak Period LOS F Segments. Details the arterial and freeway segments monitored in Spring 2006 AM peak period with results of LOS F. The table also lists the results for the 1991 baseline and the previous cycle the segment was monitored.
- **Table 7** – PM Peak Period LOS F Segments. Details the arterial and freeway segments monitored in Spring 2006 PM peak period with results of LOS F. The table also lists the results for the 1991 baseline and the previous cycle the segment was monitored.
- **Table 8** – AM Level of Service Monitoring (1991-2006). Details the AM 2006 Spring LOS monitoring results for arterial and freeway routes, as well as historical LOS monitoring results for the entire CMP roadway network.
- **Table 9** – PM Level of Service Monitoring (1991-2006). Details the PM 2006 Spring LOS monitoring results for arterial and freeway routes, as well as historical LOS monitoring results for the entire CMP roadway network.

**Table 6 – AM Peak Period LOS F Segments**

CMP Route	From	To	Dir.	Status	Study Results	Comments
Brannan	9 <sup>th</sup>	Division	W	1 <sup>st</sup> Cycle LOS F	1992: 13.7 mph (C) 2001: 14.4 mph (C) 2006: 6.2 mph (F)	Segment requires follow-up monitoring per CMP procedures.
Market/ Portola	Guerrero	Van Ness	E	1 <sup>st</sup> Cycle LOS F	1991: 8.3 mph (E) 2001: 16.2 mph (C) 2006: 6.7 mph (F)	Segment requires follow-up monitoring per CMP procedures.
I-280	US-101	6 <sup>th</sup> /Brannan	N	Exempt	1992: 29.1 mph (F) 2004: 31.2 mph (E) 2006: 27.7 mph (F)	Segment monitored at LOS F during baseline cycle and therefore does not constitute a deficiency.
US-101	I-80	Market	N	Exempt <sup>1</sup>	1991: 18.7 mph (F) 1999: 36.9 mph (E) 2006: 15.9 mph (F)	Segment monitored at LOS F during baseline cycle and therefore does not constitute a deficiency.
US-101	Market	I-80	S	Exempt <sup>1</sup>	1991: 13.5 mph (F) 1992/3: 17.9 mph (F) 2006: 12.0 mph (F)	Segment monitored at LOS F during baseline cycle and therefore does not constitute a deficiency.
I-80	US-101	Fremont Exit	N	Exempt	1991: 18.6 mph (F) 2004: 24.9 mph (F) 2006: 13.8 mph (F)	Segment monitored at LOS F during baseline cycle and therefore does not constitute a deficiency.

<sup>1</sup> Study Results prior to 2004 are for the US-101 segment from/to I-80 to/from Fell/Laguna

As shown in Table 6, two (2) of the arterial segments and four (4) freeway segments studied during the AM peak period were measured to operate at LOS F. All of the freeway segments were measured at LOS F during the initial 1991 monitoring cycle and are exempt from the LOS E standard and do not constitute a deficiency. The arterial



segments were measured at LOS F for the first time during a monitoring cycle and may require a deficiency plan upon further monitoring.

**Table 7 – PM Peak Period LOS F Segments**

CMP Route	From	To	Dir.	Status	Study Results	Comments
1 <sup>st</sup> Street	Market	Harrison	S	Exempt	1991: 1.2 mph (F) 2004: 2.6 mph (F) 2006: 4.2 mph (F)	Segment monitored at LOS F during baseline cycle and therefore does not constitute a deficiency.
Brannan	9 <sup>th</sup> Street	Division	W	3 <sup>rd</sup> Cycle LOS F	1991: C or better 2001: 1.8 mph (F) 2004: 5.0 mph (F) 2006: 4.4 mph (F)	Segment requires follow-up monitoring per CMP procedures.
Duboce/ Division	Mission	Market	W	Exempt	1991: 6.3 mph (F) 2004: 6.0 mph (F) 2006: 6.5 mph (F)	Segment monitored at LOS F during baseline cycle and therefore does not constitute a deficiency.
Junipero Serra	19 <sup>th</sup>	Sloat	N	1 <sup>st</sup> Cycle LOS F	1992: 20.5 mph (D) 2004: 14.6 mph (E) 2006: 11.8 mph (F)	Segment requires follow-up monitoring per CMP procedures.
O'Farrell	Mason	Market	E	Exempt	1991: 6.9 mph (F) 2004: 6.7 mph (F) 2006: 6.7 mph (F)	Segment monitored at LOS F during baseline cycle and therefore does not constitute a deficiency.
I-280	US-101	6 <sup>th</sup> /Brannan	N	1 <sup>st</sup> Cycle LOS F	1992/3: 46.3 mph (D) 2004: 42.3 mph (D) 2006: 25.5 mph (F)	Segment requires follow-up monitoring per CMP procedures.
US-101	I-80	Market	N	Exempt <sup>1</sup>	1991: 12.2 mph (F) 2004: 8.2 mph (F) 2006: 13.5 mph (F)	Segment monitored at LOS F during baseline cycle and therefore does not constitute a deficiency.
I-280	6 <sup>th</sup> /Brannan	US-101	S	Exempt	1992/3: 22.9 mph (F) 2004: 28.5 mph (F) 2006: 29.8 mph (F)	Segment monitored at LOS F during baseline cycle and therefore does not constitute a deficiency.
US-101	Market	I-80	S	Exempt <sup>1</sup>	1991: 18.8 mph (F) 1992/3: 13.4 mph (F) 2006: 8.9 mph (F)	Segment monitored at LOS F during baseline cycle and therefore does not constitute a deficiency.
I-80	US-101	Fremont Exit	N	Exempt	1991: 19.0 mph (F) 2004: 10.0 mph (F) 2006: 8.9 mph (F)	Segment monitored at LOS F during baseline cycle and therefore does not constitute a deficiency.

<sup>1</sup> Study Results prior to 2004 are for the US-101 segment from/to I-80 to/from Fell/Laguna

As shown in **Table 7**, five (5) of the arterial segments and five (5) freeway segments studied during the PM peak period were measured to operate at LOS F. Seven (7) of these segments were measured at LOS F during the initial 1991 monitoring cycle and are exempt from the LOS E standard and do not constitute a deficiency. Two (2) segments were measured at LOS F for the first time during a monitoring cycle and one (1) segment was measured at LOS F for the third time during a monitoring cycle and may require a deficiency plan upon further monitoring.

**Table 8 - AM Level of Service Monitoring  
(1991 - 2006)**

Name	From	To	Class	Travel Dir.	Dist. (mi)	Ave Speed 91	LOS 91	Ave Speed 92/3	LOS 92/3	Ave Speed 95	LOS 95	Ave Speed 97	LOS 97	Ave Speed 99	LOS 99	Ave Speed 2001	LOS 2001	Ave Speed 2004	LOS 2004	Ave Speed 2006	LOS 2006	2006 LOS Changes
1st Street	Market	Harrison	3	S	0.47		*	15.1	C							12.5	D	11.2	D	20.8	B	D to B
2nd Street	Market	Brannan	3	N	0.72															14.3	C	
	Brannan	Market	3	S	0.72															10.1	D	
3rd Street	Jamestown	Evans	3	N	1.61		*	25.4	B							23.5	B			17.9	C	
	Evans	Jamestown	3	S	1.61		*	22.3	C							20.9	B			23.7	B	
	Evans	China Basin	3	N	2.40	10.3	D	24.0	B							23.6	B			24.7	B	
	China Basin	Evans	3	S	2.40	10.3	D	24.1	B							23.8	B			20.2	B	
	China Basin	Market	3	N	1.00	12.1	D	12.1	D	15.3	C			10.8	D	9.2	D	6.2	F	8.1	E	F to E
4th Street/ Stockton	O'Farrell	Harrison	3	S	0.47		*	11.6	D	8.1	E	14.6	C							11.3	D	
	Harrison	King	3	S	0.43															16.0	C	
	Harrison	3rd Street	3	S	0.76		*	15.0	C							13.7	C			section closed		
5th Street	Market	Brannan	3	S	0.72	7.9	E	11.6	C							9.9	D	10.6	D	11.8	D	
	Brannan	Market	3	N	0.72	7.9	E	10.5	D	10.7	D	12.1	D	10.5	D	11.8	D	8.6	E	10.9	D	E to D
6th Street	Market	Brannan	3	S	0.71		*	22.4	B							10.0	D	8.3	E	13.6	C	E to C
	Brannan	Market	3	N	0.71		*	13.8	C							4.7	F	5.5	F	12.6	D	F to D
7th Street	Brannan	Market	3	N	0.72	8.9	E	13.9	C					14.2	C			6.8	F	13.4	C	F to C
8th Street	Market	Bryant	3	S	0.59		*	17.1	C					17.7	C			15.9	C	16.6	C	
9th Street	Brannan	Market	3	N	0.72	9.9	D	12.5	D	13.3	C					10.3	D	9.6	D	14.2	C	D to C
10th Street	Market	Brannan	3	S	0.71	12.1	D	20.5	B							16.3	C	9.7	D	17.0	C	D to C
16th Street	Market	Mission	3	E	0.74															19.0	B	
	Mission	Market	3	W	0.74															12.9	D	
	Mission	Potrero	3	E	0.66															15.9	C	
	Potrero	Mission	3	W	0.66															13.4	C	
19th Avenue/ Park Presidio	U.S. 101	Lake	1	S	1.20		*	38.3	A							47.2	A			42.2	A	
	Lake	U.S. 101	1	N	1.20		*	38.8	A							28.6	A-B			34.7	B	
	Lake	Lincoln	3	S	1.83		*	20.9	B					22.0	B					25.1	A	
	Lincoln	Lake	3	N	1.83		*	21.9	B					19.7	B					19.9	B	
	Lincoln	Sloat	3	S	2.12	11.1	D	17.2	C					18.4	C					21.8	B	
	Sloat	Lincoln	3	N	2.12	11.1	D	19.2	B					15.0	C					17.9	C	
	Sloat	J. Serra	3	S	1.25		*	20.2	B					21.2	B					20.2	B	
	J. Serra	Sloat	3	N	1.25		*	19.2	B					23.1	B					22.1	B	
Alemany	County Line	Lyell	3	E	2.79		*	25.6	B							20.0	C			20.9	B	
	Lyell	County Line	3	W	2.79		*	25.6	B							15.1	C			19.1	B	
	Lyell	Bayshore	3	E	1.58		*	28.5	A							19.0	C			23.7	B	
	Bayshore	Lyell	3	W	1.58		*	35.4	A							28.4	A			37.5	A	
Bay Street	Van Ness	Embarcadero	3	E	1.06	12.7	D	22.4	B							16.8	C			19.7	B	
	Embarcadero	Van Ness	3	W	1.06	12.7	D	19.7	B							22.8	B			18.3	C	
Bayshore	Oakdale	I-280	3	S	0.54	7.9	E		~							0.0				14.3	C	
	I-280	Oakdale	3	N	0.54	7.9	E		~							0.0				16.9	C	
	I-280	Silver	3	S	0.20		*		~							0.0				35.3	A	
	Silver	I-280	3	N	0.20		*		~							0.0				41.9	A	
	Silver	Paul	3	S	0.66	4.9	F		~							0.0				29.3	A	
	Paul	Silver	3	N	0.66	4.9	F		~							0.0				18.5	C	
	Paul	County Line	3	S	1.21		*		~							0.0				21.4	B	
	County Line	Paul	3	N	1.21		*		~							0.0				15.6	C	
	C. Chavez	Industrial	3	S	0.83			21.0	B							17.5	C			17.6	C	
	Industrial	C. Chavez	3	N	0.83			20.2	B							14.8	C			11.2	D	
	Industrial	County Line	3	S	2.24			27.4	A							23.3	B			25.7	A	
	County Line	Industrial	3	N	2.24			20.9	B							25.3	B			18.4	C	

**Table 8 - AM Level of Service Monitoring  
(1991 - 2006)**

Name	From	To	Class	Travel Dir.	Dist. (mi)	Ave Speed 91	LOS 91	Ave Speed 92/3	LOS 92/3	Ave Speed 95	LOS 95	Ave Speed 97	LOS 97	Ave Speed 99	LOS 99	Ave Speed 2001	LOS 2001	Ave Speed 2004	LOS 2004	Ave Speed 2006	LOS 2006	2006 LOS Changes
Beale/Davis	Clay	Mission	3	S	0.31		*	11.3	D	10.0	D	16.6	C	16.6	C					15.6	C	
Brannan	Division	9th Street	3	E	0.07		*	14.4	C	9.2	D	10.2	D	10.4	D	15.6	C			15.3	C	
	9th Street	Division	3	W	0.07		*	13.7	C							14.4	C			6.2	F	
	6th Street	5th Street	3	E	0.17		*	7.7	E	7.7	E	9.3	D	9.3	D	13.3	C			21.6	B	
	5th Street	6th Street	3	W	0.17		*	8.9	E	6.1	F					10.8	D	16.5	C	16.5	C	
Broadway	Gough	Larkin	3	E	0.37		*	19.2	B					9.0	D	10.6	D	12.3	D	11.4	D	
	Larkin	Gough	3	W	0.37		*	10.6	D	11.2	D	12.9	D	15.2	C	17.1	C	14.4	C	14.4	C	
	Larkin	Powell	1	E	0.54		*	22.5	B					15.1	E	16.6	E	16.3	E	36.8	A	E to A
	Powell	Larkin	1	W	0.54		*	35.6	A					16.0	E	20.0	D	16.3	E	34.1	B	E to B
	Powell	Montgomery	3	E	0.34		*	16.8	C					8.0	E	10.9	D	11.8	D	13.9	C	D to C
	Montgomery	Powell	3	W	0.34		*	15.2	C					10.0	D	8.9	E	13.5	C	14.5	C	
	Montgomery	Embarcadero	3	E	0.35		*	11.2	D	9.4	D	15.1	C	12.2	E	11.6	D	8.8	F	10.8	D	F to D
	Embarcadero	Montgomery	3	W	0.35		*	17.7	C					14.8	C	11.2	D	12.1	D	17.0	C	D to C
Bryant	Division	4th Street	3	E	0.99	7.7	E	12.2	D	13.2	C			12.9	D	13.2	C			12.2	D	
	4th Street	Embarcadero	3	E	0.78		*	21.8	B					14.4	C					18.3	C	
Bush	Masonic	Gough	3	E	1.23		*	17.3	C							22.4	B			18.2	C	
	Gough	Market	3	E	1.36	3.2	F	10.9	D	9.6	D	11.4	D	11.6	D	12.6	D	8.7	E	10.7	D	E to D
Castro/ Divisadero	Pine	Geary	3	S	0.27		*	14.2	C					13.2	C	7.3	E	7.8	E	11.7	D	E to D
	Geary	Pine	3	N	0.27		*	10.8	D	7.7	E	7.5	E	7.4	E	7.3	E	8.4	E	7.1	E	
	Geary	14th	3	S	1.16		*	14.8	C					14.0	C	11.5	D	9.8	D	12.3	D	
	14th	Geary	3	N	1.16	4.5	F	14.0	C					10.6	D	11.2	D	8.8	E	11.2	D	E to D
	14th Street	Market	3	S	0.34		*	11.9	D	10.4	D	13.3	C	14.2	C					10.3	D	
	Market	14th Street	3	N	0.34		*	17.5	C					11.9	D	10.1	D	10.7	D	16.0	C	D to C
Cesar Chavez	Guerrero	SVanNess	3	E	0.36		*	16.1	C							13.6	C			15.8	C	
	SVanNess	Guerrero	3	W	0.36	5.8	F	17.8	C							13.0	D	10.7	D	14.0	C	D to C
	SVanNess	Evans	3	E	1.02		*	21.0	B							17.9	C			22.7	B	
	Evans	SVanNess	3	W	1.02		*	20.6	B							23.7	B			25.3	A	
	Evans	Penn.	3	E	0.27		*		~							25.4	A			26.2	A	
	Penn.	Evans	3	W	0.27		*		~							21.6	B			21.3	B	
	Penn.	3rd Street	3	E	0.27		*		~							17.3	C			29.2	A	
	3rd Street	Penn.	3	W	0.27		*		~							16.3	C			18.9	C	
	Guerrero	Bryant	3	E	0.75			19.0	B							14.3	C			16.6	C	
	Bryant	Guerrero	3	W	0.75			19.6	B							16.2	C			19.3	B	
	Kansas	Bryant	3	W	0.37			17.7	C							31.9	A			30.1	A	
	Bryant	Kansas	3	E	0.37			19.9	B							28.9	A			28.3	A	
	Kansas	3rd Street	3	E	0.79			17.6	C							19.5	B			25.0	A	
	3rd Street	Kansas	3	W	0.79			19.4	B							18.8	C			22.1	B	
Clay	Kearny	Davis	3	E	0.37	11.7	D	3.7	E					12.5	D	10.6	D	9.2	D	10.8	D	
Columbus	North Point	Greenwich	3	S	0.43		*	18.6	C					16.9	C					15.9	C	
	Greenwich	North Point	3	N	0.43		*	22.6	B					9.1	D	18.2	C			18.8	C	
	Greenwich	Montgomery	3	S	0.67		*	16.3	C					11.1	D	9.2	D	9.3	D	11.7	D	
	Montgomery	Greenwich	3	N	0.67		*	14.0	C					14.9	C					13.3	C	

**Table 8 - AM Level of Service Monitoring  
(1991 - 2006)**

Name	From	To	Class	Travel Dir.	Dist. (mi)	Ave Speed 91	LOS 91	Ave Speed 92/3	LOS 92/3	Ave Speed 95	LOS 95	Ave Speed 97	LOS 97	Ave Speed 99	LOS 99	Ave Speed 2001	LOS 2001	Ave Speed 2004	LOS 2004	Ave Speed 2006	LOS 2006	2006 LOS Changes		
Doyle/Richardson	County Line	Veterans	1	S	0.76															27.3	C			
	Veterans	County Line	1	N	0.76															28.7	B			
	Veterans	Lyon	1	E	1.37															28.3	B			
	Lyon	Veterans	1	W	1.37															31.4	B			
Drumm	Washington	Market	3	S	0.23		*	5.3	F	5.3	F					22.0	B			8.4	E			
	Market	Washington	3	N	0.23		*	19.9	B							23.0	B			12.9	D			
Duboce/ Division	Market	Mission	3	E	0.34		*	7.7	E	9.1	D	3.0	F	8.8	E	5.5	F	5.8	F	12.0	D	F to D		
	Mission	Market	3	W	0.34		*	10.7	D	11.7	D	9.4	D	13.5	C					14.7	C			
	Mission	Potrero	3	E	0.64	9.9	D	12.0	D	11.5	D	10.4	D	12.6	D	13.0	C			15.1	C			
	Potrero	Mission	3	W	0.64	9.9	D	17.1	C							11.3	D	5.8	F	12.7	D	F to D		
Embarcadero	Townsend	North Point	3	N	2.15		*	21.2	B							14.5	C			12.3	D			
	North Point	Townsend	3	S	2.15		*	15.2	C							13.8	C			16.6	C			
Evans	C. Chavez	Toland	3	S	0.18		*	14.3	C							15.4	C			28.1	A			
	Toland	C. Chavez	3	N	0.18		*	12.1	D	16.5	C					10.7	D	11.0	D	17.1	C	D to C		
	Toland	3rd Street	3	S	0.53		*	17.0	C							23.3	B			14.0	C			
	3rd Street	Toland	3	N	0.53		*	25.9	A							21.7	B			36.9	A			
	C. Chavez	3rd Street	3	S	0.71		*	16.3	C							20.4	B			16.1	C			
	3rd Street	C. Chavez	3	N	0.71		*	19.9	B							17.0	C			28.4	A			
Fell	Gough	Market	3	E	0.30		*	11.6	D	12.0	D	4.3	F	8.1	E	7.6	E	6.1	F	7.7	E	F to E		
	Gough	Laguna	3	W	0.20		*	26.7	A							11.8	D	11.1	D	7.2	E	D to E		
	Laguna	Stanyan	3	W	1.55		*	19.0	B							24.5	B	16.2	C	23.2	B	C to B		
Folsom	13th Street	8th Street	3	E	0.48															10.2	D			
	8th Street	4th Street	3	E	0.68															24.8	B			
	4th Street	1st Street	3	E	0.56															19.5	B			
	1st Street	Embarcadero	3	E	0.35															11.5	D			
Franklin	Market	Pine	3	N	1.06	8.5	E	13.3	C							11.5	D	9.0	D	13.5	C	D to C		
	Pine	Lombard	3	N	0.82		*	14.0	C							26.3	A			18.3	C			
Fremont	Harrison	Market	3	N	0.49		*	6.4	F							11.3	D	10.7	D	12.4	D			
Fulton	Park Pres.	10th Avenue	3	E	0.20		*	16.7	C							15.2	C			26.6	A			
	10th Avenue	Park Pres.	3	W	0.20		*	14.2	C							10.4	D	6.4	F	15.2	C	F to C		
	10th Avenue	Arguello	3	E	0.53		*	22.4	B							16.3	C			20.7	B			
	Arguello	10th Avenue	3	W	0.53		*	22.0	B							28.7	A			19.0	B			
	Arguello	Masonic	3	E	0.66	9.8	D	18.6	C							11.5	D	9.9	D	15.0	C	D to C		
	Masonic	Arguello	3	W	0.66		*	15.9	C							16.2	C			18.5	C			
Geary	Great Hwy.	25th Avenue	3	E	1.47		*	24.2	B							23.5	B	16.4	C	21.5	B	C to B		
	25th Avenue	Great Hwy.	3	W	1.47		*	28.3	A							26.0	A	14.7	C	23.3	B	C to B		
	25th Avenue	Arguello	3	E	1.42		*	21.6	B							20.7	B	10.3	D	16.7	C	D to C		
	Arguello	25th Avenue	3	W	1.42		*	21.3	B				10.6	D		13.7	C		11.0	D	15.5	C	D to C	
	Arguello	Gough	3	E	1.89		*	25.3	A							24.6	B		15.0	C	23.6	B	C to B	
	Gough	Arguello	3	W	1.89		*	23.8	B							24.7	B		15.4	C	17.7	C		
	Gough	Market	3	W	1.21		*	12.3	D	15.4	C					7.2	E	15.2	C	9.5	D	15.0	C	D to C
	Market	Gough	3	E	1.21		*	12.3	D															
Geneva	Phelan	Cayuga	3	E	0.57		*	15.0	C							20.4	B			14.7	C			
	Cayuga	Phelan	3	W	0.57		*	4.5	F	15.5	C					15.0	C			11.0	D			
	Cayuga	Paris	3	E	0.33	10.4	D	11.7	D	13.0	C					16.1	D	8.8	E	11.8	D	E to D		
	Paris	Cayuga	3	W	0.33	10.4	D	11.6	D	13.3	C					18.7	C			10.4	D			
	Paris	Santos	3	E	1.18		*	29.7	A							25.0	B			27.2	A			
	Santos	Paris	3	W	1.18		*	27.4	A							27.3	A			26.7	A			
Golden Gate	Masonic	Franklin	3	E	1.36		*	19.3	B							17.2	C			26.3	A			
	Franklin	Market	3	E	0.65	12.2	D	16.9	C							13.2	C			12.2	D			

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(1991 - 2006)**

Name	From	To	Class	Travel Dir.	Dist. (mi)	Ave Speed 91	LOS 91	Ave Speed 92/3	LOS 92/3	Ave Speed 95	LOS 95	Ave Speed 97	LOS 97	Ave Speed 99	LOS 99	Ave Speed 2001	LOS 2001	Ave Speed 2004	LOS 2004	Ave Speed 2006	LOS 2006	2006 LOS Changes
Gough	Pine Geary	Geary Golden Gate	3	S	0.27	9.5	D	25.6	A							28.4	A			21.5	B	B to C E to C
	Golden Gate Market		3	S	0.34		*	20.1	B	11.1	D	6.5	F	18.9	C	20.1	B	20.9	B	15.3	C	
			3	S	0.57	8.3	D	12.8	D									8.9	E	15.4	C	
Guerrero/ San Jose	Cesar Chavez 29th Street	29th Street Cesar Chavez	3	S	0.30		*	26.3	A							20.5	B			19.9	C	
	29th Street Monterey		3	N	0.30	6.2	F	19.3	B							15.2	C			22.6	C	
	29th Street Monterey		1	S	0.97		*	23.7	B							31.6	B			23.1	C	
	29th Street Monterey		1	N	1.24		*	17.3	C							33.8	B			28.3	B	
Harrison	Embarcadero 1st Street	1st Street 4th Street	3	W	0.34			34.8	A							13.8	C			18.6	C	
	1st Street 4th Street		3	W	0.56			27.6	A							15.2	C			17.3	C	
	4th Street 8th Street		3	W	0.68			28.9	A							26.2	A			19.1	B	
	8th Street Division		3	W	0.40			14.4	C							13.6	C			14.3	C	
	Embarcadero 2nd Street		3	W	0.49		*		~							11.8	D			16.1	C	
	2nd Street 4th Street		3	W	0.35		*		~							19.8	B			21.0	B	
	4th Street 8th Street		3	W	0.69		*		~							26.6	A			duplicate section		
	8th Street Division		3	W	0.40		*		~							13.6	C			duplicate section		
Hayes Market	Gough	3	W	0.38		*	10.2	D	11.1	D	11.6	D	23.3	B			9.4	D	16.6	B	D to B	
Howard Embarcadero	SVanNess	3	W	2.20		*	14.9	C							14.2	C			15.6	D		
J. Serra	Sloat 19th	19th Sloat	1	S	1.22		*	32.4	B							20.9	D	18.9	D	18.7	D	
	19th Brotherhood		1	N	1.22		*	27.0	C							19.4	D	17.3	D	18.8	D	
	19th Brotherhood		1	S	0.32		*	19.9	B							30.7	B			43.0	A	
	Brotherhood 19th		1	N	0.32	9.7	D	23.8	C							36.7	A			32.8	B	
	Brotherhood County Line		1	S	0.30		*	41.9	A							38.7	A			40.4	A	
	County Line Brotherhood		1	N	0.30		*	40.4	A							33.3	B			39.0	A	
Kearny Market	Columbus	3	N	0.63	6.3	F	13.7	C					8.8	E	12.9	D	5.4	F	14.1	C	F to C	
King	7th Street 2nd Street		3	E	0.86		*	12.4	D	15.6	C			14.6	C					section closed		
	2nd Street 7th Street		3	W	0.86		*	13.9	C					13.3	C					section closed		
	5th Street 2nd Street		3	E	0.52															16.9	C	
	2nd Street 5th Street		3	W	0.52															27.0	A	
Lincoln/ Kezar	19th Avenue 5th Ave.		3	E	0.83		*	22.6	B							11.4	D	13.4	C	17.2	C	C to C
	5th Ave. 19th Avenue		3	W	0.83		*	25.2	A							10.6	D	13.8	C	26.3	A	C to A
	5th Ave. Stanyan		3	E	0.69		*	10.7	D	12.2	D	23.4	B							20.3	B	
	Stanyan 5th Ave.		3	W	0.69		*	31.7	A							9.9	D	15.4	C	25.0	A	C to A
Lombard	Francisco Broderick		3	E	0.16	7.6	E		~							10.7	D	8.8	E	12.6	D	E to D
	Broderick Francisco		3	W	0.16		*		~							12.5	D	12.2	D	12.9	D	
	Broderick Pierce		3	E	0.28		*		~							14.5	C			23.7	B	
	Pierce Broderick		3	W	0.28		*		~							16.9	C			14.5	C	
	Pierce Laguna		3	E	0.45		*		~							16.2	C			28.5	A	
	Laguna Pierce		3	W	0.45		*		~							18.3	C			18.6	C	
	Laguna Van Ness		3	E	0.37		*		~							11.7	D	9.2	D	19.9	B	D to B
	Van Ness Laguna		3	W	0.37		*		~							16.7	C			17.0	C	
	Francisco Van Ness		3	E	1.28			22.2	B							13.7	C			20.9	B	
	Van Ness Francisco		3	W	1.28			19.7	B							16.9	C			16.6	C	
Main Mission	Market	3	N	0.13		*	9.9	D	9.8	D	8.4	E	11.5	D	11.8	D	9.1	D	13.9	C	D to C	

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Name	From	To	Class	Travel Dir.	Dist. (mi)	Ave Speed 91	LOS 91	Ave Speed 92/3	LOS 92/3	Ave Speed 95	LOS 95	Ave Speed 97	LOS 97	Ave Speed 99	LOS 99	Ave Speed 2001	LOS 2001	Ave Speed 2004	LOS 2004	Ave Speed 2006	LOS 2006	2006 LOS Changes
Market/ Portola	Sloat	Santa Clara	3	E	0.41		*	16.0	C					18.9	C					13.8	C	
	Santa Clara	Sloat	3	W	0.41		*	13.2	C					9.5	D	18.2	C			19.6	B	
	Santa Clara	Clipper	3	E	1.35		*	24.1	B					33.0	A					18.6	C	
	Clipper	Santa Clara	3	W	1.35		*	22.8	B					30.2	A					19.0	B	
	Clipper	Castro	3	E	1.67	7.0	F	33.0	A					22.0	B					20.9	B	
	Castro	Clipper	3	W	1.67		*	28.0	B					27.5	B					22.6	B	
	Castro	Guerrero	3	E	0.80	8.7	E	20.0	B					15.7	C					13.2	C	
	Guerrero	Castro	3	W	0.80		*	18.8	B					14.8	C					16.9	C	
	Guerrero	Van Ness	3	E	0.42	8.3	E	16.3	C					9.3	D	16.2	C			6.7	F	
	Van Ness	Guerrero	3	W	0.42	8.3	E	17.8	C					7.3	E	23.3	B			13.6	C	
	Van Ness	Drumm	3	E	1.76	9.6	D	14.4	C					8.4	E	8.4	E	9.8	D	9.3	D	
	Drumm	Van Ness	3	W	1.76	9.6	D	15.3	C					12.0	D	12.0	D	11.4	D	12.8	D	
Masonic	Pine	Geary	3	S	0.27	8.5	E	11.2	D	15.7	C					10.3	D	7.7	E	13.5	C	E to C
	Geary	Bush	3	N	0.20	8.5	E	14.6	C							9.7	D	7.9	E	14.2	C	E to C
	Geary	Page	3	S	0.73	10.0	D	16.4	C							14.8	C			11.8	D	
	Page	Geary	3	N	0.73	10.0	D	13.1	C							11.3	D	9.4	D	15.4	C	D to C
Mission/ Otis	Embarcadero	3rd Street	3	S	0.73	9.7	D	8.0	E	10.8	D	14.3	C	10.7	D	9.7	D	10.7	D	13.2	C	D to C
	3rd Street	Embarcadero	3	N	0.73	9.7	D	8.9	E	10.8	D	11.2	D	8.2	E	8.7	E	8.6	E	11.8	D	E to D
	3rd Street	9th Street	3	S	0.98		*	16.9	C					16.2	C			8.4	E	16.3	C	E to C
	9th Street	3rd Street	3	N	0.98		*	13.7	C					13.4	C			9.1	D	18.4	C	D to C
	9th Street	14th Street	3	S	0.67	9.7	D	12.8	D	12.8	D	10.7	D	11.7	D	8.7	E	5.8	F	14.1	C	F to C
	14th Street	9th Street	3	N	0.65		*	12.0	D	11.3	D	11.0	D	10.0	D	8.1	E	8.2	E	11.0	D	E to D
	14th Street	Cesar Chavez	3	S	1.37	10.9	D	17.9	C					14.8	C					16.0	C	
	Cesar Chavez	14th Street	3	N	1.37	10.9	D	19.8	B					14.3	C					13.6	C	
	Cesar Chavez	Ocean	3	S	1.94		*	17.6	C					19.6	B					18.9	C	
	Ocean	Cesar Chavez	3	N	1.94		*	20.3	B					20.4	B	18.3	C			18.1	C	
	Ocean	Sickles	3	S	1.45		*	20.8	B					31.8	A					20.7	B	
	Sickles	Ocean	3	N	1.45		*	21.1	B					26.5	A					26.3	A	
Montgomery	Broadway	Bush	3	S	0.51	6.2	F	6.5	F							9.3	D	8.5	E	10.2	D	E to D
North Point	Van Ness	Columbus	3	E	0.38		*	15.2	C							12.5	D	10.8	D	18.9	C	D to C
	Columbus	Van Ness	3	W	0.38		*	15.3	C							13.7	C			17.6	C	
	Columbus	Embarcadero	3	E	0.62		*	14.9	C							15.4	C			17.6	C	
	Embarcadero	Columbus	3	W	0.62		*	16.0	C							13.9	C			18.9	C	
Oak	Stanyan	Lyon	3	E	0.64		*		~							26.2	A			27.9	A	
	Lyon	Divisadero	3	E	0.27	7.5			~							18.9	C			26.7	A	
	Divisadero	Fillmore	3	E	0.36		*		~							25.2	A			24.7	B	
	Fillmore	Laguna	3	E	0.27	8.2			~							8.8	E	15.3	C	16.5	C	C to C
	Laguna	Franklin	3	E	0.28		*	20.0	B					7.5	E	7.0	E			14.8	C	E to C
	Stanyan	Divisadero	3	E	0.91			23.1	B					23.5	B					27.7	A	
Divisadero	Laguna	3	E	0.63			21.7	B					14.0	C	15.7	C			20.7	B		
Ocean	19th Avenue	Miramar	3	E	1.10		*	19.5	B							7.6	E	11.4	D	14.3	C	D to C
	Miramar	19th Avenue	3	W	1.10		*	15.4	C							9.2	D	8.2	E	13.8	C	E to C
	Miramar	Howth	3	E	0.47		*							7.6	E	8.2	E			12.6	D	E to D
	Howth	Miramar	3	W	0.47		*	9.4	D	16.3	C			8.6	E	8.4	E			13.4	C	E to C
Octavia	Fell	Market	3	S	0.28															14.5	C	
	Market	Fell	3	N	0.28															8.7	E	
O'Farrell	Gough	Mason	3	E	0.93		*	16.6	C							13.5	C			11.9	D	
	Mason	Market	3	E	0.27		*	18.7	C							10.9	D	8.3	E	8.2	E	

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Pine	Market	Kearny	3	W	0.38	4.6	F	9.9	D	7.3	E	8.1	E	8.3	E	7.9	E	7.2	E	7.5	E	
	Kearny	Leavenworth	3	W	0.63		*	16.2	C							15.6	C			13.4	C	
	Leavenworth	Franklin	3	W	0.46		*	17.2	C							9.4	D	9.4	D	12.3	D	
	Franklin	Presidio	3	W	1.26		*	20.0	B							20.4	B			23.7	B	
Potrero	Division	21st Street	3	S	0.80		*	24.8	B					18.2	C					21.5	B	
	21st Street	Division	3	N	0.80		*	21.4	B					18.3	C					17.7	C	
	21st Street	C. Chavez	3	S	0.61		*	20.1	B					13.5	C					19.1	B	
	C. Chavez	21st Street	3	N	0.61		*	25.2	A					15.5	C					17.8	C	
Skyline	Sloat	County Line	3	S	1.91		*	41.6	A							41.6	A			48.7	C	
	County Line	Sloat	3	N	1.92		*	43.7	A							41.8	A			49.0	C	
Sloat	Skyline	J. Serra	1	E	1.36		*	19.8	D	21.5	D	14.5	E	18.1	D	23.4	C			22.8	C	
	J. Serra	Skyline	1	W	1.34		*	23.3	C							23.5	C			29.8	B	
Stanyan	Fulton	Turk	3	N	0.19		*	12.2	D	12.8	D	13.2	C					13.7	C	15.7	C	
	Turk	Fulton	3	S	0.19		*	11.6	D	7.4	E	16.7	C					11.7	D	16.6	C	D to C
Sutter	Market	Mason	3	W	0.56		*	11.6	D	10.2	D	13.2	C					11.2	D	11.2	D	
	Mason	Gough	3	W	0.87	9.0	D	12.3	D	13.4	C					14.5	C			12.8	D	
	Gough	Divisadero	3	W	0.82		*	14.1	C							15.5	C			15.1	C	
	Divisadero	Gough	3	E	0.82		*	13.9	C							12.4	D	16.1	C	15.7	C	
Townsend	7th Street	2nd Street	3	E	0.87															16.6	C	
	2nd Street	7th Street	3	W	0.87															18.9	C	
Turk	Market	Hyde	3	W	0.37		*	10.9	D	11.6	D	11.2	D	11.7	D	8.1	E	11.7	D	16.9	C	D to C
	Hyde	Gough	3	W	0.45		*	14.1	C							10.1	D	8.0	E	11.2	D	E to D
	Gough	Divisadero	3	W	0.82		*	22.1	B							22.4	B			24.4	B	
	Divisadero	Stanyan	3	W	0.91		*	17.1	C							23.1	B			17.1	C	
	Stanyan	Divisadero	3	E	0.91		*	21.0	B							15.5	C			17.7	C	
Van Ness/ SVanNess	Lombard	Washington	3	S	0.58	4.5	F	18.2	C					7.6	E	12.2	D	13.4	C	12.7	D	C to D
	Washington	Lombard	3	N	0.58		*	11.9	D	14.3	D	12.1	D	9.4	D	12.6	D	6.9	F	9.2	D	F to D
	Washington	Golden Gate	3	S	0.83		*	15.0	C					9.2	D	7.3	E	9.4	D	16.1	C	D to C
	Golden Gate	Washington	3	N	0.83		*	13.6	C					10.4	D	10.4	D	6.9	F	11.5	D	F to D
	Golden Gate	13th	3	S	0.80		*	17.3	C					16.6	C			7.4	E	12.7	D	E to D
	13th	Golden gate	3	N	0.79		*	15.9	C					18.2	C			7.3	E	11.8	D	E to D
	13th	C. Chavez	3	S	1.39	12.6	D	15.7	C					16.8	C			16.0	C	19.2	B	C to B
	C. Chavez	Market	3	N	1.87		*	20.4	B					14.0	C			9.2	D	16.0	C	D to C
Washington	Drumm	Kearny	3	W	0.45		*	14.2	C					7.9	E	30.5	A			17.1	C	
West Portal	Ulloa	Sloat	3	S	0.55		*	16.1	C							12.4	D	12.1	D	16.1	C	D to C
	Sloat	Ulloa	3	N	0.55		*	17.8	C							14.8	C			18.7	C	

**Table 8 - AM Level of Service Monitoring  
(1991 - 2006)**

Name	From	To	Class	Travel Dir.	Dist. (mi)	Ave Speed 91	LOS 91	Ave Speed 92/3	LOS 92/3	Ave Speed 95	LOS 95	Ave Speed 97	LOS 97	Ave Speed 99	LOS 99	Ave Speed 2001	LOS 2001	Ave Speed 2004	LOS 2004	Ave Speed 2006	LOS 2006	2006 LOS Changes
<b>FREEWAY SEGMENTS INBOUND</b>																						
I-280	C & C Limit	US-101	Fwy	E	4.06	22.9	F	43.0	E	27.3	F					43.2	D	43.6	D	31.9	E	D to E
	US-101	6th/Brannan	Fwy	NE	3.42	section closed		29.1	F							30.5	E	31.2	E	27.7	F	E to F
US 101	C & C Limit	I-280	Fwy	N	1.25	10.9	F	47.2	D	31.0	E	30.1	E	35.7	E	44.8	D	37.1	E	57.5	B	E to B
	I-280	I-80	Fwy	N	2.75	21.4	F	21.2	F							28.1	F	27.8	F	38.0	E	F to E
	I-80	Fell/Laguna	Fwy	NW	1.60	18.7	F	45.4	E	44.8	E	37.6	E	36.9	E	section closed		section closed		section closed		
	I-80	Market	Fwy	NW	1.32															15.9	F	
I-80	Treasure Island	Fremont Exit	Fwy	S	2.20	17.5	F	32.2	E	26.5	F					28.8	F	22.3	F	36.8	E	F to E
	Fremont Exit	US-101	Fwy	SW	1.38	48.1	D	33.3	E	37.9	E	32.7	E	40.4	E	25.9	F	24.0	F	51.6	A	F to A
<b>FREEWAY SEGMENTS OUTBOUND</b>																						
I-280	6th/Brannan	US-101	Fwy	W	3.00	section closed		51.9	D	46.4	D	54.8	C			47.3	C	41.0	D	69.0	A	D to A
	US-101	C & C Limit	Fwy	SW	4.30	55.7	C	57.5	B							51.5	C	50.5	C	65.5	A	C to A
US 101	Market	I-80	Fwy	S	1.10															12.0	F	
	Fell/Laguna	I-80	Fwy	S	1.30	13.5	F	17.9	F							section closed		section closed		section closed		
	I-80	I-280	Fwy	S	2.16	45.8	E	53.6	D	36.4	E	42.3	E	44.7	D	40.1	E	31.7	E	40.3	E	
	I-280	C & C Limit	Fwy	S	1.88	53.3	D	45.6	E	36.3	E	34.1	E	39.0	E	33.3	E	31.6	E	45.8	D	E to D
I-80	US-101	Fremont Exit	Fwy	N	1.65	18.6	F	53.6	D	36.0	E	32.4	E	28.8	F	16.3	F	24.9	F	12.3	F	
	Fremont Exit	Treasure Island	Fwy	NE	2.15	50.6	D	50.8	D	39.9	E	40.3	E	30.5	F	36.5	E	20.2	F	43.7	D	F to D



**Table 9 - PM Level of Service Monitoring  
(1991 - 2006)**

Name	From	To	Class	Travel Dir.	Dist. (mi)	Ave Speed 91	LOS 91	Ave Speed 92/3	LOS 92/3	Ave Speed 95	LOS 95	Ave Speed 97	LOS 97	Ave Speed 99	LOS 99	Ave Speed 2001	LOS 2001	Ave Speed 2004	LOS 2004	Ave Speed 2006	LOS 2006	2006 LOS Changes	
1st Street	Market	Harrison	3	S	0.47	1.2	F	15.5	C							2.1	F	2.6	F	4.2	F		
2nd Street	Market	Brannan	3	N	0.72															13.4	C		
	Brannan	Market	3	S	0.72															9.5	D		
3rd Street	Jamestown	Evans	3	N	1.61		*	18.5	C							20.2	B			12.5	D		
	Evans	Jamestown	3	S	1.61		*	17.6	C							18.1	C			15.8	C		
	Evans	China Basin	3	N	2.40	10.3	D	18.5	C							20.5	B			24.0	B		
	China Basin	Evans	3	S	2.40	10.3	D	17.0	C							20.2	B			21.8	B		
4th Street/ Stockton	China Basin	Market	3	N	1.00	12.1	D	8.8	D	11.6	D	10.2	D	11.7	D	11.6	D	7.3	E	12.7	D	E to D	
	Market	Harrison	3	S	0.47	4.7	F	8.4	E	10.5	D	10.5	D	5.9	F	10.5	D	9.8	D	8.9	E	D to E	
	Harrison	King	3	S	0.43															15.0	C		
5th Street	Harrison	3rd Street	3	S	0.76		*	23.0	B							7.9	E	7.3	E	section closed			
	Market	Brannan	3	S	0.72	7.9	E	13.5	C							5.2	F	6.3	F	9.3	D	F to D	
6th Street	Brannan	Market	3	N	0.72	7.9	E	12.7	D	7.7	E	11.3	D	7.6	E	16.5	C			9.8	D		
	Market	Brannan	3	S	0.71	6.7	F	11.5	D	12.0	D	9.4	D	9.5	D	6.8	F	4.4	F	12.9	D	F to D	
7th Street	Brannan	Market	3	N	0.71		*	12.7	D	7.6	E	11.2	D	9.0	D	6.4	F	6.6	F	12.7	D	F to D	
	Brannan	Market	3	N	0.72	8.9	E	16.8	C					13.7	C			10.4	D	15.4	C	D to C	
8th Street	Market	Bryant	3	S	0.59		*	15.8	C						15.7	C			13.0	C	15.9	C	C to C
9th Street	Market	Brannan	3	N	0.72	9.9	D	12.4	D	9.7	D	13.8	C	11.2	D	9.1	D	11.8	D	13.3	C	D to C	
10th Street	Market	Brannan	3	S	0.71	12.1	D	20.5	B							13.7	C			16.4	C		
16th Street	Market	Mission	3	E	0.74															11.0	D		
	Mission	Market	3	W	0.74															10.6	D		
	Mission	Potrero	3	E	0.66															13.1	C		
	Potrero	Mission	3	W	0.66															11.2	D		
19th Avenue/ Park Presidio	U.S. 101	Lake	1	S	1.20		*	36.4	A							34.5	A B			35.4	A		
	Lake	U.S. 101	1	N	1.20		*	35.9	A							15.6	B E			34.7	B		
	Lake	Lincoln	3	S	1.83		*	26.4	A					20.3	B					24.1	B		
	Lincoln	Lake	3	N	1.83		*	25.4	A					19.8	B					27.2	A		
	Sloat	Lincoln	3	N	2.12	11.1	D	21.9	B					17.5	C					20.5	B		
	Lincoln	Sloat	3	S	2.12	11.1	D	21.0	B					18.6	B					21.6	B		
	J. Serra	Sloat	3	N	1.25		*	18.4	C					11.9	D			11.9	D	9.9	D		
	Sloat	J. Serra	3	S	1.25		*	17.5	C					21.5	B					14.8	C		
Alemany	County Line	Lyell	3	E	2.79		*	29.5	B							20.8	B			20.4	B		
	Lyell	County Line	3	W	2.79		*	22.1	C							23.9	B			19.5	B		
	Lyell	Bayshore	3	E	1.58		*	32.9	A							12.7	D	14.7	C	32.1	A	C to A	
	Bayshore	Lyell	3	W	1.58	4.6	F	30.8	A							23.3	B			32.4	A		
Bay Street	Van Ness	Embarcadero	3	E	1.06	12.7	D	16.8	C							12.1	E			13.4	C		
	Embarcadero	Van Ness	3	W	1.06	12.7	D	12.0	D	15.7	C					13.1	D	13.5	C	18.7	C	C to C	
Bayshore	Oakdale	I-280	3	S	0.54	7.9	E		~							0.0				19.0	B		
	I-280	Oakdale	3	N	0.54	7.9	E		~							0.0				14.2	C		
	I-280	Silver	3	S	0.20		*		~							0.0				20.8	B		
	Silver	I-280	3	N	0.20		*		~							0.0				31.8	A		
	Silver	Paul	3	S	0.66		*		~							0.0				23.1	B		
	Paul	Silver	3	N	0.66		*		~							0.0				24.6	B		
	Paul	County Line	3	S	1.21		*		~							0.0				17.6	C		
	County Line	Paul	3	N	1.21		*		~							0.0				21.6	B		
	C. Chavez	Industrial	3	S	0.83			21.0	B							28.4	A			21.1	B		
	Industrial	C. Chavez	3	N	0.83			26.4	A							16.4	C			13.1	C		
	Industrial	County Line	3	S	2.24			22.0	B							26.4	A			19.7	B		
County Line	Industrial	3	N	2.24			22.6	B							33.9	A			22.0	B			

**Table 9 - PM Level of Service Monitoring  
(1991 - 2006)**

Name	From	To	Class	Travel Dir.	Dist. (mi)	Ave Speed 91	LOS 91	Ave Speed 92/3	LOS 92/3	Ave Speed 95	LOS 95	Ave Speed 97	LOS 97	Ave Speed 99	LOS 99	Ave Speed 2001	LOS 2001	Ave Speed 2004	LOS 2004	Ave Speed 2006	LOS 2006	2006 LOS Changes
Beale/Davis	Clay	Mission	3	S	0.31		*	13.4	C							8.4	E	8.4	E	14.6	C	E to C
Brannan	Division	9th Street	3	E	0.07		*	25.4	A							4.5	F	5.4	F	10.4	D	F to D
	9th Street	Division	3	W	0.07		*	13.1	C							1.8	F	5.0	F	4.4	F	
	6th Street	5th Street	3	E	0.17		*	14.3	C							5.5	F	7.0	E	10.7	D	E to D
	5th Street	6th Street	3	W	0.17		*	11.7	D	11.6	D	10.1	D	8.6	E	5.6	F	9.2	D	15.6	C	D to C
Broadway	Gough	Larkin	3	E	0.37		*	14.6	C					14.2	C	10.0	D	12.0	D	11.5	D	
	Larkin	Gough	3	W	0.37	7.7	E	14.6	C					7.8	E	9.9	D	8.8	E	7.3	E	
	Larkin	Powell	1	E	0.54		*	38.9	A					25.5	C	11.0	D F	12.7	F	26.1	C	F to C
	Powell	Larkin	1	W	0.54		*	24.7	C					25.3	C	11.0	D F	10.6	F	32.7	B	F to B
	Powell	Montgomery	3	E	0.34		*	16.3	C					12.4	D	10.4	D	11.2	D	12.8	D	
	Montgomery	Powell	3	W	0.34	6.2	F	8.4	E	9.2	D	12.5	D	8.5	E	8.3	E	10.2	D	8.0	E	
	Montgomery	Embarcadero	3	E	0.35		*	13.1	C					8.4	E	7.9	E	7.2	E	9.0	D	E to D
Embarcadero	Montgomery	3	W	0.35		*	15.4	C					9.6	D	4.4	F	6.9	F	10.1	D	F to D	
Bryant	Division	4th Street	3	E	0.99	7.7	E	11.8	D	9.8	D	12.8	D	15.7	C	10.6	D	9.6	D	13.3	C	D to C
	4th Street	Embarcadero	3	E	0.78		*	13.2	C							9.5	D	10.2	D	19.5	B	D to B
Bush	Masonic	Gough	3	E	1.23		*	20.0	B							20.5	B			19.0	B	
	Gough	Market	3	E	1.36	3.2	F	10.1	D	11.5	D	11.7	D	11.6	D	10.2	D	9.2	D	12.5	D	D to D
Castro/ Divisadero	Pine	Geary	3	S	0.27		*	11.6	D	8.1	E	11.0	D	8.3	E	12.6	D	7.9	E	11.7	D	E to D
	Geary	Pine	3	N	0.27		*	8.4	E	13.5	C			9.8	D	14.6	C			7.5	E	
	Geary	14th	3	S	1.16		*	15.7	C					11.4	D	12.1	D	8.2	E	12.3	D	E to D
	14th	Geary	3	N	1.16	4.5	F	12.8	D	11.2	D	12.3	D	11.8	D	11.1	D	9.5	D	9.4	D	
	14th Street	Market	3	S	0.34		*	13.8	C					14.3	C	17.3	C			12.0	D	
Market	14th Street	3	N	0.34	7.7	E	16.7	C					12.1	D	16.1	C			15.2	C		
Cesar Chavez	Guerrero	Bryant	3	E	0.75			20.7	B							15.1	C			18.2	C	
	Bryant	Guerrero	3	W	0.75			16.5	C							15.8	C			18.8	C	
	Kansas	Bryant	3	W	0.37			17.5	C											30.4	A	
	Bryant	Kansas	3	E	0.37			26.7	B							8.5	E			31.4	A	
	Kansas	3rd Street	3	E	0.79			17.3	C							12.0	D	15.1	C	19.5	B	C to B
	3rd Street	Kansas	3	W	0.79			16.3	C											21.1	B	
	Guerrero	SVanNess	3	E	0.36		*	14.5	C							13.3	C			14.6	C	
	SVanNess	Guerrero	3	W	0.36	5.8	F	17.8	C							10.8	D	9.0	D	17.7	C	D to C
	SVanNess	Evans	3	E	1.02		*	19.6	B							17.1	C			21.5	B	
	Evans	SVanNess	3	W	1.02		*	20.5	B							20.1	B			26.2	A	
	Evans	Penn.	3	E	0.27		*									0.0				20.7	B	
	Penn.	Evans	3	W	0.27	6.5	F	16.6	C							0.0				24.7	B	
	Penn.	3rd Street	3	E	0.27		*									0.0				23.6	B	
	3rd Street	Penn.	3	W	0.27		*	14.8	C							0.0				11.7	D	
Clay	Kearny	Davis	3	E	0.37	11.7	D	7.0	E	8.7	E	10.4	D	10.4	D	9.4	D	6.5	F	8.7	E	F to E
Columbus	North Point	Greenwich	3	S	0.43		*	15.2	C					17.7	C					15.9	C	
	Greenwich	North Point	3	N	0.43		*	13.4	C					16.2	C					13.3	C	
	Greenwich	Montgomery	3	S	0.67	6.3	F	16.0	C					10.2	D	9.3	D	8.7	E	9.2	D	E to D
	Montgomery	Greenwich	3	N	0.67	6.3	F	12.8	D	12.9	D	10.3	D	11.1	D	15.0	C			12.8	D	

**Table 9 - PM Level of Service Monitoring  
(1991 - 2006)**

Name	From	To	Class	Travel Dir.	Dist. (mi)	Ave Speed 91	LOS 91	Ave Speed 92/3	LOS 92/3	Ave Speed 95	LOS 95	Ave Speed 97	LOS 97	Ave Speed 99	LOS 99	Ave Speed 2001	LOS 2001	Ave Speed 2004	LOS 2004	Ave Speed 2006	LOS 2006	2006 LOS Changes
Doyle/Richardson	County Line	Veterans	1	S	0.76															21.7	D	
	Veterans	County Line	1	N	0.76															24.2	C	
	Veterans	Francisco	1	E	1.37															23.8	C	
	Francisco	Veterans	1	W	1.37															23.5	C	
Drumm	Washington	Market	3	S	0.23		*	9.3	D	3.6	F					17.4	C			9.7	D	
	Market	Washington	3	N	0.23		*	12.8	D	13.5	C					24.7	B			11.7	D	
Duboce/ Division	Market	Mission	3	E	0.34		*	10.0	D	15.4	C					7.5	E	6.3	F	9.4	D	F to D
	Mission	Market	3	W	0.34	6.3	F	6.2	F							7.4	E	6.0	F	6.5	F	
	Mission	Potrero	3	E	0.64	9.9	D	14.1	C							14.2	C			14.1	C	
	Potrero	Mission	3	W	0.64	9.9	D	16.4	C							12.0	D	7.1	E	9.4	D	E to D
Embarcadero	North Point	Townsend	3	S	2.15		*	9.0	D	16.4	C					14.7	C			16.0	C	
	Townsend	North Point	3	N	2.15		*	16.7	C							6.4	F	12.3	D	15.2	C	D to C
Evans	Cesar Chavez	Toland	3	S	0.18			20.4	B							10.8	D	10.5	D	24.1	B	D to B
	Toland	Cesar Chavez	3	N	0.18	5.1	F	11.6	D	14.4	C					9.4	D	9.0	D	18.5	C	D to C
	Toland	3rd Street	3	S	0.53		*	21.8	B							19.7	B			18.1	C	
	3rd Street	Toland	3	N	0.53		*	27.6	A							21.9	B			25.7	A	
	Cesar Chavez	3rd Street	3	S	0.71			21.4	B							15.4	C			19.1	B	
	3rd Street	Cesar Chavez	3	N	0.71			20.3	B							15.2	C			23.8	B	
Fell	Gough	Market	3	E	0.30		*	13.5	C							9.4	D	8.3	E	7.0	E	
	Gough	Laguna	3	W	0.20	5.6	F	13.3	C	7.3	E	8.2	E	12.0	D	7.8	E	7.4	E	16.9	C	E to C
	Laguna	Stanyan	3	W	1.55		*	20.7	B							23.5	B			19.6	B	
Folsom	13th Street	8th Street	3	E	0.48															18.0	C	
	8th Street	4th Street	3	E	0.68															18.8	C	
	4th Street	1st Street	3	E	0.56															18.3	C	
	1st Street	Embarcadero	3	E	0.35															10.0	D	
Franklin	Market	Pine	3	N	1.06	8.5	E	18.8	C							14.6	C			14.5	C	
	Pine	Lombard	3	N	0.82		*	16.4	C							7.3	E	7.7	E	17.5	C	E to C
Fremont	Harrison	Market	3	N	0.49		*	9.3	D	10.6	D	16.6	C			3.2	F	5.2	F	14.1	C	F to C
Fulton	Park P.	Arguello	3	E	0.73		*	20.1	B							20.5	B	17.5	C	25.0	A	C to A
	Arguello	Park P.	3	W	0.73		*	15.9	C							18.4	C			23.6	B	
	Park P.	10th Ave	3	E	0.20															26.1	A	
	10th Ave	Park P.	3	W	0.20															19.9	B	
	Arguello	Masonic	3	E	0.66	9.8	D	13.2	C							14.8	C			15.0	C	
	Masonic	Arguello	3	W	0.66		*	18.9	C							14.7	C			20.7	B	
Geary	Great Hwy.	25th Avenue	3	E	1.47		*	26.2	A							20.1	B	16.0	C	23.6	B	C to B
	25th Avenue	Great Hwy.	3	W	1.47		*	23.9	B							29.4	A	12.7	D	21.0	B	D to B
	25th Avenue	Arguello	3	E	1.42		*	21.5	B					15.0	C			8.4	E	14.9	C	E to C
	Arguello	25th Avenue	3	W	1.42	11.3	D	20.3	B					15.8	C			10.6	D	15.1	C	D to C
	Arguello	Gough	3	E	1.89	11.3	D	22.6	B					20.7	B			14.7	C	22.4	B	C to B
	Gough	Arguello	3	W	1.89		*	23.1	B					21.2	B			13.3	C	19.1	B	C to B
	Market	Gough	3	W	1.21	6.7	F	9.9	D	14.4	C			15.9	C	23.8	B	10.0	D	12.2	D	
Geneva	Phelan	Cayuga	3	E	0.57		*	12.0	D	17.2	C					14.6	C			12.9	D	
	Cayuga	Phelan	3	W	0.57	6.7	F	10.4	D	12.0	D	9.6	D	14.2	C					7.9	E	
	Cayuga	Paris	3	E	0.33	10.4	D	12.1	D	10.5	D	15.5	C							8.8	E	
	Paris	Cayuga	3	W	0.33	10.4	D	12.3	D	10.7	D	11.9	D	12.8	D	12.7	D	10.6	D	10.1	D	
	Paris	Santos	3	E	1.18		*	20.5	B							22.1	B			21.0	B	
	Santos	Paris	3	W	1.18		*	22.6	B							31.3	A			25.2	A	
Golden Gate	Masonic	Franklin	3	E	1.36		*	20.4	B							16.0	C			25.9	A	
	Franklin	Market	3	E	0.65	12.2	D	15.2	C							14.3	C			11.7	D	

**Table 9 - PM Level of Service Monitoring  
(1991 - 2006)**

Name	From	To	Class	Travel Dir.	Dist. (mi)	Ave Speed 91	LOS 91	Ave Speed 92/3	LOS 92/3	Ave Speed 95	LOS 95	Ave Speed 97	LOS 97	Ave Speed 99	LOS 99	Ave Speed 2001	LOS 2001	Ave Speed 2004	LOS 2004	Ave Speed 2006	LOS 2006	2006 LOS Changes
Gough	Pine	Geary	3	S	0.27	9.5	D	21.8	B							6.5	F	6.3	F	11.4	D	F to D
	Geary	Golden Gate	3	S	0.34		*	17.1	C							15.8	C	9.4	D	13.6	C	D to C
	Golden Gate	Market	3	S	0.57	8.3	E	16.4	C							7.6	E	6.4	F	7.0	E	F to E
Guerrero/ San Jose	Cesar Chavez	29th Street	3	S	0.30		*	24.0	B							24.9	A			20.1	B	
	29th Street	Cesar Chavez	3	N	0.30		*	12.6	D	7.9	E	17.8	C			15.6	C			14.1	C	
	29th Street	Monterey	1	S	0.97		*	21.6	D	23.0	C					26.8	C			27.7	C	
	Monterey	29th Street	1	N	1.24		*	30.8	B							41.2	A			27.0	C	
Harrison	Embarcadero	1st Street	3	W	0.34			11.4	D	11.6	D	9.6	D	9.4	D	14.5	C			14.3	C	
	1st Street	4th Street	3	W	0.56			20.5	B							14.0	C			20.0	B	
	4th Street	8th Street	3	W	0.68			19.1	B							16.0	C			19.0	B	
	8th Street	Division	3	W	0.40			13.6	C							13.0	C			12.4	D	
	Embarcadero	2nd Street	3	W	0.49	5.7	F		~							13.7	C			14.0	C	
	2nd Street	4th Street	3	W	0.35	2.9	F		~							14.1	C			23.6	B	
	4th Street	8th Street	3	W	0.69	12.7	D		~							16.2	C					duplicate section
	8th Street	Division	3	W	0.40		*		~							13.0	C					duplicate section
Hayes	Market	Gough	3	W	0.38	5.6	F	11.7	D	15.7	C					10.9	D	7.1	E	11.8	D	E to D
Howard	Embarcadero	S. Van Ness	3	W	2.20	5.4	F	13.6	C							13.0	C			12.7	D	
J. Serra	Sloat	19th	1	S	1.22		*	18.0	D	20.6	D	11.8	F	12.0	F	18.1	D	14.7	E	18.8	D	E to D
	19th	Sloat	1	N	1.22		*	20.5	D	18.9	D	12.8	F	19.3	D	14.4	E	14.6	E	11.8	F	E to F
	19th	Brotherhood	1	S	0.32		*	22.1	C							16.6	E	19.0	D	35.3	A	D to A
	Brotherhood	19th	1	N	0.32		*	19.1	D	21.7	D	23.6	D	26.5	C					16.2	E	
	Brotherhood	County Line	1	S	0.30		*	48.1	A							26.3	B			39.2	A	
	County Line	Brotherhood	1	N	0.30		*	40.4	A							26.3	B			41.8	A	
Kearny	Market	Columbus	3	N	0.63	6.3	F	12.9	D	10.8	D	9.2	D	9.1	D	8.1	E	7.2	E	11.7	D	E to D
King	7th Street	2nd Street	3	E	0.86		*	11.8	D	19.6	B			17.0	C							section closed
	2nd Street	7th Street	3	W	0.86		*	16.9	C					15.8	C							section closed
	5th Street	2nd Street	3	E	0.52															13.2	C	
	2nd Street	5th Street	3	W	0.52															16.2	C	
Lincoln/ Kezar	19th Avenue	5th Ave.	3	E	0.83		*	16.4	C							14.5	C			12.3	D	
	5th Ave.	19th Avenue	3	W	0.83	11.3	D	20.8	B							12.0	D	9.1	D	22.7	B	D to B
	5th Ave.	Stanyan	3	E	0.69		*	22.8	B							14.0	C			22.8	B	
	Stanyan	5th Ave.	3	W	0.69		*	21.3	B							9.8	D	9.9	D	23.6	B	D to B
Lombard	Francisco	Broderick	3	E	0.16		*		~							7.8	E	7.5	E	11.9	D	E to D
	Broderick	Francisco	3	W	0.16		*		~							18.6	C			18.8	C	
	Broderick	Pierce	3	E	0.28		*		~							12.3	D			15.1	C	
	Pierce	Broderick	3	W	0.28		*		~							27.0	A			20.2	B	
	Pierce	Laguna	3	E	0.45		*		~							13.5	C			22.6	B	
	Laguna	Pierce	3	W	0.45	7.0	F		~							23.6	B			13.8	C	
	Laguna	Van Ness	3	E	0.37		*		~							14.3	C			9.8	D	
	Van Ness	Laguna	3	W	0.37	8.6	E		~							12.8	D	9.6	D	13.5	C	D to C
	Francisco	Van Ness	3	E	1.28			16.4	C							14.8	C			14.5	C	
	Van Ness	Francisco	3	W	1.28			20.5	B							22.4	B			15.3	C	
Main	Mission	Market	3	N	0.13		*	9.8	D	8.4	E	6.7	F	7.7	E	5.4	F	7.5	E	14.4	C	E to C

**Table 9 - PM Level of Service Monitoring  
(1991 - 2006)**

Name	From	To	Class	Travel Dir.	Dist. (mi)	Ave Speed 91	LOS 91	Ave Speed 92/3	LOS 92/3	Ave Speed 95	LOS 95	Ave Speed 97	LOS 97	Ave Speed 99	LOS 99	Ave Speed 2001	LOS 2001	Ave Speed 2004	LOS 2004	Ave Speed 2006	LOS 2006	2006 LOS Changes
Market/ Portola	Sloat	Santa Clara	3	E	0.41		*	16.5	C					15.9	C					21.0	B	
	Sloat	Santa Clara	3	W	0.41	11.8	D	22.2	B					18.4	C					14.8	C	
	Santa Clara	Clipper	3	E	1.35		*	23.6	B					37.4	A					20.6	B	
	Clipper	Santa Clara	3	W	1.35		*	19.6	B					35.7	A					24.0	B	
	Clipper	Castro	3	E	1.67		*	34.1	A					30.9	A					22.0	B	
	Castro	Clipper	3	W	1.67		*	27.0	A					24.7	B					28.0	A	
	Castro	Guerrero	3	E	0.80		*	15.0	C					9.2	D	14.8	C			10.0	D	
	Guerrero	Castro	3	W	0.80		*	16.5	C					11.5	D	13.2	C			19.4	B	
	Guerrero	Van Ness	3	E	0.42	8.3	E	17.9	C					7.4	E	6.7	F	9.0	D	7.0	E	D to E
	Van Ness	Guerrero	3	W	0.42	8.3	E	12.5	D	8.0	E	10.8	D	11.1	D	24.8	B			12.1	D	
	Van Ness	Drumm	3	E	1.76	9.6	D	12.9	D	6.3	F					8.7	E	9.3	D	11.0	D	
	Drumm	Van Ness	3	W	1.76	9.6	D	15.5	C						10.0	D	7.4	E	9.9	D	E to D	
Masonic	Pine	Geary	3	S	0.27	8.5	E	9.3	D	12.7	D	16.9	C							11.4	D	
	Geary	Bush	3	N	0.20	8.5	E	21.5	B							15.1	C			15.5	C	
	Geary	Page	3	S	0.73	10.0	D	13.4	C							16.3	C			11.1	D	
	Page	Geary	3	N	0.73	10.0	D	13.6	C							11.9	D	7.3	E	13.8	C	E to C
Mission/ Otis	Embarcadero	3rd Street	3	S	0.73	9.7	D	7.6	D	13.0	C			10.7	D	9.7	D	8.6	E	13.4	C	E to C
	3rd Street	Embarcadero	3	N	0.73	9.7	D	15.9	C					5.1	F	10.7	D	9.2	D	7.6	E	D to E
	3rd Street	9th Street	3	S	0.98		*	19.1	B					12.1	D	12.3	D	8.4	E	18.3	C	E to C
	9th Street	3rd Street	3	N	0.98		*	19.9	B					13.5	C	9.7	D	9.8	D	12.7	D	
	9th Street	14th Street	3	S	0.67	9.7	D	14.9	C					16.7	C					12.9	D	
	14th Street	9th Street	3	N	0.65		*	12.2	D	9.9	D	9.2	D	10.5	D	8.5	D	8.3	E	12.3	D	E to D
	14th Street	Cesar Chavez	3	S	1.37	10.9	D	14.9	C					13.2	C					13.3	C	
	Cesar Chavez	14th Street	3	N	1.37	10.9	D	10.5	D	12.3	D	13.0	C	14.7	C					12.6	D	
	Cesar Chavez	Ocean	3	S	1.94		*	15.6	C					14.7	C					14.7	C	
	Ocean	Cesar Chavez	3	N	1.94		*	17.3	C					18.5	C					19.1	B	
	Ocean	Sickles	3	S	1.45		*	15.1	C					24.9	B					21.3	B	
	Sickles	Ocean	3	N	1.45		*	18.1	C					22.0	B					23.0	B	
Montgomery	Broadway	Bush	3	S	0.51	6.2	F	2.4	F							12.4	D	8.2	E	8.2	E	
North Point	Van Ness	Columbus	3	E	0.38		*	15.4	C							7.4	E	11.0	D	11.4	D	
	Columbus	Van Ness	3	W	0.38	8.5	E	20.9	B							10.4	D	9.8	D	19.5	B	D to B
	Columbus	Embarcadero	3	E	0.62		*	14.5	C							11.4	D	9.9	D	12.8	D	
	Embarcadero	Columbus	3	W	0.62		*	16.9	C							12.2	D	10.3	D	19.5	B	D to B
Oak	Stanyan	Lyon	3	E	0.64		*		~						3.7	F	16.2	C	24.2	B	C to B	
	Lyon	Divisadero	3	E	0.27	7.5	E		~						8.8	E	14.5	C	20.4	B	C to B	
	Divisadero	Fillmore	3	E	0.36		*		~						16.9	C			24.6	B		
	Fillmore	Laguna	3	E	0.27	8.2	E		~						15.3	C	15.7	C	23.8	B	C to B	
	Stanyan	Divisadero	3	E	0.91			21.6	B						15.6	C			23.0	B		
	Division	Laguna	3	E	0.63			20.1	B						15.6	C	12.5	D	24.2	B	D to B	
	Laguna	Franklin	3	E	0.27		*	23.1	B						13.0	C	11.8	D	16.2	C	D to C	
Ocean	19th Avenue	Miramar	3	E	1.10		*	17.1	C						9.4	D	12.5	D	12.4	D		
	Miramar	19th Avenue	3	W	1.10		*	14.6	C						8.8	E	10.3	D	12.5	D		
	Miramar	Howth	3	E	0.47	0.8	F	21.0	B						10.7	D	13.2	C	14.2	C		
	Howth	Miramar	3	W	0.47	6.1	F	14.9	C						9.1	D	11.2	D	8.4	E	D to E	
Octavia	Fell	Market	3	S	0.28															14.2	C	
	Market	Fell	3	N	0.28															8.2	E	
O'Farrell	Gough	Mason	3	E	0.93	5.7	F	13.7	C							12.6	D	14.6	C	9.9	D	C to D
	Mason	Market	3	E	0.27	6.9	F	7.9	E							4.2	F	6.7	F	6.7	F	

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(1991 - 2006)**

Name	From	To	Class	Travel Dir.	Dist. (mi)	Ave Speed 91	LOS 91	Ave Speed 92/3	LOS 92/3	Ave Speed 95	LOS 95	Ave Speed 97	LOS 97	Ave Speed 99	LOS 99	Ave Speed 2001	LOS 2001	Ave Speed 2004	LOS 2004	Ave Speed 2006	LOS 2006	2006 LOS Changes
Pine	Market	Kearny	3	W	0.38	4.6	F	10.8	D	7.3	E	10.3	D	6.7	F	8.0	E	4.3	F	8.9	E	F to E
	Kearny	Leavenworth	3	W	0.63		*	12.9	D	19.8	B					17.1	C			16.2	C	
	Leavenworth	Franklin	3	W	0.46	4.8	F	13.2	C							9.4	D	6.5	F	12.6	D	F to D
	Franklin	Presidio	3	W	1.26		*	15.3	C							19.2	B			20.3	B	
Potrero	Division	21st Street	3	S	0.80		*	22.6	B					18.8	C					16.5	C	
	21st Street	Division	3	N	0.80		*	21.4	B					19.3	B					14.9	C	
	21st Street	C. Chavez	3	S	0.61	4.8	F	13.7	C					19.1	B					15.5	C	
	C. Chavez	21st Street	3	N	0.61		*	23.8	B					14.5	C					17.0	C	
Skyline	Sloat	County Line	3	S	1.91		*	42.1	A							36.6	A			47.1	A	
	County Line	Sloat	3	N	1.92		*	44.9	A							42.6	A			49.3	A	
Sloat	Skyline	J. Serra	1	E	1.36		*	19.2	D	24.9	C					19.9	D	18.4	D	25.9	C	D to C
	J. Serra	Skyline	1	W	1.34		*	23.2	C							27.4	C			24.8	C	
Stanyan	Fulton	Turk	3	N	0.19	4.6	F	10.8	D	11.6	D	16.8	C							15.9	C	
	Turk	Fulton	3	S	0.19		*	7.6	D	10.5	D	8.0	E	13.3	C					18.9	C	
Sutter	Market	Mason	3	W	0.56		*	7.3	E	12.4	D	12.7	D	8.0	E	12.7	C			11.6	D	
	Mason	Gough	3	W	0.87	9.0	D	17.0	C							14.6	C			13.3	C	
	Gough	Divisadero	3	W	0.82		*	16.6	C							14.3	C			13.3	C	
	Divisadero	Gough	3	E	0.82		*	15.4	C							12.8	C			15.8	C	
Townsend	7th Street	2nd Street	3	E	0.87															21.3	B	
	2nd Street	7th Street	3	W	0.87															18.7	C	
Turk	Market	Hyde	3	W	0.37		*	14.9	C							7.3	E	8.3	E	12.8	D	E to D
	Hyde	Gough	3	W	0.45	8.7	E	14.9	C							9.1	D	11.3	D	10.5	D	
	Gough	Divisadero	3	W	0.82		*	27.1	A							18.0	C			19.3	B	
	Divisadero	Stanyan	3	W	0.91		*	19.2	B							14.6	C			21.3	B	
	Stanyan	Divisadero	3	E	0.91		*	14.9	C							16.4	C			18.4	C	
Van Ness/ SVanNess	Lombard	Washington	3	S	0.58		*	17.7	C					14.5	C	12.8		11.7	D	13.5	C	D to C
	Washington	Lombard	3	N	0.58		*	13.2	C					18.0	C	26.1		9.2	D	22.4	B	D to B
	Washington	Golden Gate	3	S	0.83	4.6	F	11.7	D	7.0	E	8.4	E	9.7	D	10.0	D	9.8	D	8.0	E	D to E
	Golden Gate	Washington	3	N	0.83		*	15.1	C					11.4	D	12.8	D	9.8	D	16.6	C	D to C
	Golden Gate	13th	3	S	0.80	4.6	F	6.9	F					23.1	B			5.0	F	9.1	D	F to D
	13th	Golden Gate	3	N	0.80		*	13.7	C					18.3	C			6.6	F	10.2	D	F to D
	13th	Cesar Chavez	3	S	1.39	12.6		18.2	C					18.9	C					20.2	B	
Cesar Chavez	13th	3	N	1.39			22.4	B					16.9	C	26.1				16.3	C		
Washington	Drumm	Kearny	3	W	0.45		*	10.3	D	12.5	D	8.0	E	9.5	D	18.4	C			14.1	C	
West Portal	Ulloa	Sloat	3	S	0.55		*	18.2	C							11.3	D	8.0	E	17.1	C	E to C
	Sloat	Ulloa	3	N	0.55		*	17.1	C							11.6	D	10.0	D	15.1	C	D to C

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(1991 - 2006)**

Name	From	To	Class	Travel Dir.	Dist. (mi)	Ave Speed 91	LOS 91	Ave Speed 92/3	LOS 92/3	Ave Speed 95	LOS 95	Ave Speed 97	LOS 97	Ave Speed 99	LOS 99	Ave Speed 2001	LOS 2001	Ave Speed 2004	LOS 2004	Ave Speed 2006	LOS 2006	2006 LOS Changes
<b>FREEWAY SEGMENTS INBOUND</b>																						
I-280	C & C Limit	US-101	Fwy	E	4.06	54.9	C	59.1	B					0		45.0	D	43.7	D	67.4	A	D to A
	US-101	6th/Brannan	Fwy	NE	3.42	section closed		46.3	D	51	D	48.6	D	38.6	E	38.9	E	42.3	D	25.5	F	D to F
US 101	C & C Limit	I-280	Fwy	N	1.25	20.6	F	72.4	A							43.2	D	40.1	E	55.2	B	E to B
	I-280	I-80	Fwy	N	2.75	24.6	F	45.8	E	31.8	E	40.9	E	6.2	F	24.0	F	17.8	F	53.1	C	F to C
	I-80	Fell/Laguna	Fwy	NW	1.60	12.2	F	15.3	F							section closed		section closed		section closed		
	I-80	Market	Fwy	NW	1.32													8.2	F	13.5	F	
I-80	Treasure Island	Fremont Exit	Fwy	S	2.20	27.5	F	26.3	F							31.6	E	21.7	F	41.9	E	F to E
	Fremont Exit	US-101	Fwy	SW	1.38	18.6	F	21.5	F							24.9	F	13.8	F	22.4	E	F to E
<b>FREEWAY SEGMENTS OUTBOUND</b>																						
I-280	6th/Brannan	US-101	Fwy	E	3.00	section closed		22.9	F							30.9	E	28.5	F	29.8	F	
	US-101	C & C Limit	Fwy	SW	4.30	51.9	D	56.6	B							44.5	D	31.4	E	54.3	C	
US 101	Market	I-80	Fwy	S	1.10													14.9	F	8.9	F	
	Fell/Laguna	I-80	Fwy	S	1.30	18.8	F	13.4	F							section closed		section closed		section closed		
	I-80	I-280	Fwy	S	2.16	31.6	E	46.3	D	47.2	D	35.5	E	32.4	E	44.4	D	21.4	F	30.3	E	F to E
	I-280	C & C Limit	Fwy	S	1.88	48.1	D	51.1	D	30.8	E	39.2	E	49	D	41.6	D	30.5	E	52.2	C	E to C
I-80	US-101	Fremont Exit	Fwy	N	1.65	19.0	F	25.9	F							14.8	F	10.0	F	8.9	F	
	Fremont Exit	Treasure Island	Fwy	NE	2.15	29.3	F	37.7	E	34.6	E	45.6	E	23.1	F	21.6	F	14.6	F	41.5	D	F to D

## **APPENDIX**



## **Spring 2006 LOS Monitoring Tables**

**Appendix - AM Spring 2006 Level of Service (LOS) Monitoring**

Name	From	To	Class	Travel Dir.	Dist. (mi)	Range of Ave Speed	# of Runs	Average Speed	Date Monitored
1st Street	Market	Harrison	3	S	0.47	4.0	4	20.8	4/20/06
2nd Street	Market	Brannan	3	N	0.72	2.5	4	14.3	4/20/06
	Brannan	Market	3	S	0.72	5.7	4	10.1	4/20/06
3rd Street	Jamestown	Evans	3	N	1.61	6.9	4	17.9	6/9/06
	Evans	Jamestown	3	S	1.61	1.2	4	23.7	6/9/06
	Evans	China Basin	3	N	1.00	9.5	4	24.7	6/9/06
	China Basin	Evans	3	S	2.40	1.6	4	20.2	6/9/06
	China Basin	Market	3	N	2.40	2.8	4	8.1	6/9/06
4th Street/ Stockton	O'Farrell	Harrison	3	S	0.47	1.8	4	11.3	4/20/06
	Harrison	King	3	S	0.43	1.1	4	16.0	4/20/06
5th Street	Market	Brannan	3	S	0.72	3.0	4	11.8	4/18/06
	Brannan	Market	3	N	0.72	7.5	4	10.9	4/18/06
6th Street	Market	Brannan	3	S	0.71	4.9	4	13.6	4/18/06
	Brannan	Market	3	N	0.71	2.3	4	12.6	4/18/06
7th Street	Brannan	Market	3	N	0.72	6.7	4	13.4	4/21/06
8th Street	Market	Bryant	3	S	0.59	8.0	4	16.6	4/21/06
9th Street	Brannan	Market	3	N	0.72	5.2	4	14.2	3/9/06
10th Street	Market	Brannan	3	S	0.71	9.5	4	17.0	3/9/06
16th Street	Market	Mission	3	E	0.74	6.0	5	19.0	5/12/06
	Mission	Market	3	W	0.74	4.3	4	12.9	5/12/06
	Mission	Potrero	3	E	0.66	11.8	5	15.9	5/12/06
	Potrero	Mission	3	W	0.66	3.5	4	13.4	5/12/06
19th Avenue/ Park Presidio	US 101	Lake	1	S	1.20	4.4	4	42.2	4/27/06
	Lake	US 101	1	N	1.20	0.8	4	34.7	4/27/06
	Lake	Lincoln	3	S	1.83	9.1	4	25.1	4/27/06
	Lincoln	Lake	3	N	1.83	7.5	4	19.9	4/27/06
	Sloat	Lincoln	3	N	2.12	6.4	4	17.9	4/27/06
	Lincoln	Sloat	3	S	2.12	5.4	4	21.8	4/27/06
	J. Serra	Sloat	3	N	1.25	7.1	4	22.1	4/27/06
	Sloat	J. Serra	3	S	1.25	6.4	4	20.2	4/27/06
Alemany	County Line	Lyell	3	E	2.79	9.6	4	20.9	5/2/06
	Lyell	County Line	3	W	2.79	1.8	4	19.1	5/2/06
	Lyell	Bayshore	3	E	1.58	9.3	4	23.7	5/2/06
	Bayshore	Lyell	3	W	1.58	8.5	4	37.5	5/2/06
Bay Street	Van Ness	Embarcadero	3	E	1.06	5.4	4	19.7	4/26/06
	Embarcadero	Van Ness	3	W	1.06	6.9	4	18.3	4/26/06
Bayshore	Oakdale	I-280	3	S	0.54	3.8	4	14.3	5/16/06
	I-280	Oakdale	3	N	0.54	9.8	4	16.9	5/16/06
	I-280	Silver	3	S	0.20	8.7	4	35.3	5/16/06
	Silver	I-280	3	N	0.20	7.1	4	41.9	5/16/06
	Silver	Paul	3	S	0.66	12.1	5	29.3	5/16/06
	Paul	Silver	3	N	0.66	7.6	4	18.5	5/16/06
	Paul	County Line	3	S	1.21	5.5	4	21.4	5/16/06
	County Line	Paul	3	N	1.21	4.7	4	15.6	5/16/06
	C. Chavez	Industrial	3	S	0.83	5.7	5	17.6	5/16/06
	Industrial	C. Chavez	3	N	0.83	4.9	4	11.2	5/16/06
	Industrial	County Line	3	S	2.24	6.2	4	25.7	5/16/06
	County Line	Industrial	3	N	2.24	12.1	5	18.4	5/16/06
Beale/Davis	Clay	Mission	3	S	0.31	8.2	4	15.6	5/5/06
Brannan	Division	9th Street	3	E	0.07	5.3	4	15.3	3/9/06
	9th Street	Division	3	W	0.07	6.6	4	6.2	3/9/06
	6th Street	5th Street	3	E	0.17	8.2	4	21.6	3/9/06
	5th Street	6th Street	3	W	0.17	4.0	4	16.5	3/9/06
Broadway	Gough	Larkin	3	E	0.37	4.5	4	11.4	5/3/06
	Larkin	Gough	3	W	0.37	9.8	5	14.4	5/3/06
	Larkin	Powell	1	E	0.54	11.5	5	36.8	5/3/06
	Powell	Larkin	1	W	0.54	9.1	5	34.1	5/3/06
	Powell	Montgomery	3	E	0.34	5.7	5	13.9	5/3/06
	Montgomery	Powell	3	W	0.34	6.2	4	14.5	5/3/06
	Montgomery	Embarcadero	3	E	0.35	1.5	4	10.8	5/3/06
	Embarcadero	Montgomery	3	W	0.35	4.9	4	17.0	5/3/06
Bryant	Division	4th Street	3	E	0.99	3.6	4	12.2	4/25/06
	4th Street	Embarcadero	3	E	0.78	10.9	5	18.3	4/25/06
Bush	Masonic	Gough	3	E	1.23	10.0	5	18.2	5/5/06
	Gough	Market	3	E	1.36	9.6	4	10.7	5/5/06
Castro/ Divisadero	Pine	Geary	3	S	0.27	5.0	4	11.7	3/8/06
	Geary	Pine	3	N	0.27	3.4	4	7.1	3/8/06
	Geary	14th	3	S	1.16	6.5	4	12.3	3/8/06
	14th	Geary	3	N	1.16	2.2	4	11.2	3/8/06
	14th	Market	3	S	0.34	1.5	4	10.3	3/8/06
	Market	14th Street	3	N	0.34	2.2	4	16.0	3/8/06

**Appendix - AM Spring 2006 Level of Service (LOS) Monitoring**

Name	From	To	Class	Travel Dir.	Dist. (mi)	Range of Ave Speed	# of Runs	Average Speed	Date Monitored
Cesar Chavez	Guerrero	SVanNess	3	E	0.36	5.6	4	15.8	5/19/06
	SVanNess	Guerrero	3	W	0.36	9.5	4	14.0	5/19/06
	SVanNess	Evans	3	E	1.02	4.3	4	22.7	5/19/06
	Evans	SVanNess	3	W	1.02	9.4	5	25.3	5/19/06
	Evans	Penn.	3	E	0.27	9.7	4	26.2	5/19/06
	Penn.	Evans	3	W	0.27	9.3	4	21.3	5/19/06
	Penn.	3rd Street	3	E	0.27	1.8	4	29.2	5/19/06
	3rd Street	Penn.	3	W	0.27	4.2	4	18.9	5/19/06
	Guerrero	Bryant	3	E	0.75	3.4	4	16.6	5/19/06
	Bryant	Guerrero	3	W	0.75	8.2	4	19.3	5/19/06
	Kansas	Bryant	3	W	0.37	9.4	4	30.1	5/19/06
	Bryant	Kansas	3	E	0.37	10.6	5	28.3	5/19/06
	Kansas	3rd Street	3	E	0.79	9.5	5	25.0	5/19/06
3rd Street	Kansas	3	W	0.79	6.5	4	22.1	5/19/06	
Clay	Kearny	Davis	3	E	0.37	1.2	4	10.8	3/9/06
Columbus	North Point	Greenwich	3	S	0.43	5.0	4	15.9	5/4/06
	Greenwich	North Point	3	N	0.43	1.3	4	18.8	5/4/06
	Greenwich	Montgomery	3	S	0.67	2.0	4	11.7	5/4/06
	Montgomery	Greenwich	3	N	0.67	1.4	4	13.3	5/4/06
Doyle/ Richardson	County Line	Veterans	1	S	0.76	2.7	4	27.3	4/20/06
	Veterans	County Line	1	N	0.76	3.0	4	28.7	4/20/06
	Veterans	Lyon	1	E	1.37	4.1	4	28.3	4/20/06
	Lyon	Veterans	1	W	1.37	3.2	4	31.4	4/20/06
Drumm	Washington	Market	3	S	0.23	0.4	4	8.4	4/26/06
	Market	Washington	3	N	0.23	3.2	4	12.9	4/26/06
Duboce/ Division	Market	Mission	3	E	0.34	8.0	4	12.0	5/12/06
	Mission	Market	3	W	0.34	8.2	4	14.7	5/12/06
	Mission	Potrero	3	E	0.64	4.0	4	15.1	5/12/06
	Potrero	Mission	3	W	0.64	4.7	5	12.7	5/12/06
Embarcadero	North Point	Townsend	3	S	2.15	8.3	4	12.3	4/26/06
	Townsend	North Point	3	N	2.15	4.8	4	16.6	4/26/06
Evans	C. Chavez	Toland	3	S	0.18	4.7	4	28.1	5/17/06
	Toland	C. Chavez	3	N	0.18	9.3	4	17.1	5/17/06
	Toland	3rd Street	3	S	0.53	3.3	4	14	5/17/06
	3rd Street	Toland	3	N	0.53	7.5	4	36.9	5/17/06
	C. Chavez	3rd Street	3	S	0.71	3.0	4	16.1	5/17/06
	3rd Street	C. Chavez	3	N	0.71	5.1	4	28.4	5/17/06
Fell	Gough	Market	3	E	0.30	1.8	4	7.7	5/11/06
	Gough	Laguna	3	W	0.20	3.8	4	7.2	5/11/06
	Laguna	Stanyan	3	W	1.55	7.2	4	23.2	5/11/06
Folsom	13th Street	8th Street	3	E	0.48	4.3	4	10.2	4/25/06
	8th Street	4th Street	3	E	0.68	9.4	4	24.8	4/25/06
	4th Street	1st Street	3	E	0.56	12.0	5	19.5	4/25/06
	1st Street	Embarcadero	3	E	0.35	3.9	4	11.5	4/25/06
Franklin	Market	Pine	3	N	1.06	8.3	4	13.5	5/9/06
	Pine	Lombard	3	N	0.82	4.2	4	18.3	5/9/06
Fremont	Harrison	Market	3	N	0.49	5.5	4	12.4	4/26/06
Fulton	Park Pres.	10th Avenue	3	E	0.20	4.9	5	26.6	3/7/06
	10th Avenue	Park Pres.	3	W	0.20	10.1	5	15.2	3/7/06
	10th Avenue	Arguello	3	E	0.53	3.9	4	20.7	3/7/06
	Arguello	10th Avenue	3	W	0.53	3.6	4	19.0	3/7/06
	Arguello	Masonic	3	E	0.66	7.9	4	15	3/7/06
	Masonic	Arguello	3	W	0.66	8.4	4	18.5	3/7/06
Geary	Great Hwy.	25th Avenue	3	E	1.47	11.5	5	21.5	5/2/06
	25th Avenue	Great Hwy.	3	W	1.47	3.3	4	23.3	5/2/06
	25th Avenue	Arguello	3	E	1.42	6.0	4	16.7	5/2/06
	Arguello	25th Avenue	3	W	1.42	4.4	4	15.5	5/2/06
	Arguello	Gough	3	E	1.89	10.2	5	23.6	5/2/06
	Gough	Arguello	3	W	1.89	0.5	4	17.7	5/2/06
	Market	Gough	3	W	1.21	5.8	4	15.0	5/2/06
Geneva	Phelan	Cayuga	3	E	0.57	7.0	4	14.7	5/19/06
	Cayuga	Phelan	3	W	0.57	2.8	4	11.0	5/19/06
	Cayuga	Paris	3	E	0.33	8.6	4	11.8	5/19/06
	Paris	Cayuga	3	W	0.33	5.3	4	10.4	5/19/06
	Paris	Santos	3	E	1.18	5.7	4	27.2	5/19/06
	Santos	Paris	3	W	1.18	2.9	4	26.7	5/19/06
Golden Gate	Masonic	Franklin	3	E	1.36	5.6	4	26.3	5/9/06
	Franklin	Market	3	E	0.65	0.8	4	12.2	5/9/06
Gough	Pine	Geary	3	S	0.27	14.3	6	21.5	5/9/06
	Geary	Golden Gate	3	S	0.34	13.5	6	15.3	5/9/06
	Golden Gate	Market	3	S	0.57	14.8	6	15.4	5/9/06

**Appendix - AM Spring 2006 Level of Service (LOS) Monitoring**

Name	From	To	Class	Travel Dir.	Dist. (mi)	Range of Ave Speed	# of Runs	Average Speed	Date Monitored
Guerrero/ San Jose	Cesar Chavez	29th Street	3	S	0.30	2.6	4	19.9	5/19/06
	29th Street	Cesar Chavez	3	N	0.30	8.8	5	22.6	5/19/06
	29th Street	Monterey	1	S	0.97	1.9	4	23.1	5/19/06
	Monterey	29th Street	1	N	1.24	10.2	5	28.3	5/19/06
Harrison	Embarcadero	1st Street	3	W	0.34	8.0	4	18.6	4/25/06
	1st Street	4th Street	3	W	0.56	3.7	4	17.3	4/25/06
	4th Street	8th Street	3	W	0.68	9.3	4	19.1	4/25/06
	8th Street	Division	3	W	0.40	9.4	4	14.3	4/25/06
	Embarcadero	2nd Street	3	W	0.49	5.3	4	16.1	4/25/06
	2nd Street	4th Street	3	W	0.35	6.6	5	21.0	4/25/06
Hayes	Market	Gough	3	W	0.38	2.9	4	16.6	5/16/06
Howard	Embarcadero	SVanNess	3	W	2.20	4.5	4	15.6	4/25/06
J. Serra	Sloat	19th	1	S	1.22	8.4	4	18.7	4/14/06
	19th	Sloat	1	N	1.22	7.3	4	18.8	4/14/06
	19th	Brotherhood	1	S	0.32	4.9	4	43.0	4/14/06
	Brotherhood	19th	1	N	0.32	9.3	4	32.8	4/14/06
	Brotherhood	County Line	1	S	0.30	6.0	4	40.4	4/14/06
	County Line	Brotherhood	1	N	0.30	2.8	4	39.0	4/14/06
Kearny	Market	Columbus	3	N	0.63	2.4	4	14.1	5/16/06
King	5th Street	2nd Street	3	E	0.52	7.6	4	16.9	5/17/06
	2nd Street	5th Street	3	W	0.52	8.0	4	27.0	5/17/06
Lincoln/ Kezar	19th Avenue	5th Ave.	3	E	0.83	11.5	4	17.2	5/17/06
	5th Ave.	19th Avenue	3	W	0.83	2.4	4	26.3	5/17/06
	5th Ave.	Stanyan	3	E	0.69	5.1	4	20.3	5/17/06
	Stanyan	5th Ave.	3	W	0.69	4.4	5	25	5/17/06
Lombard	Francisco	Broderick	3	E	0.16	3.3	4	12.6	4/20/06
	Broderick	Francisco	3	W	0.16	3.3	4	12.9	4/20/06
	Broderick	Pierce	3	E	0.28	4.3	4	23.7	4/20/06
	Pierce	Broderick	3	W	0.28	11.7	5	14.5	4/20/06
	Pierce	Laguna	3	E	0.45	6.0	4	28.5	4/20/06
	Laguna	Pierce	3	W	0.45	8.0	4	18.6	4/20/06
	Laguna	Van Ness	3	E	0.37	2.8	4	19.9	4/20/06
	Van Ness	Laguna	3	W	0.37	5.1	4	17.0	4/20/06
	Francisco	Van Ness	3	E	1.28	1.5	4	20.9	4/20/06
	Van Ness	Francisco	3	W	1.28	7.0	4	16.6	4/20/06
Main	Mission	Market	3	N	0.13	8.2	5	13.9	4/26/06
Market/ Portola	Sloat	Santa Clara	3	E	0.41	6.0	4	13.8	5/11/06
	Santa Clara	Sloat	3	W	0.41	7.8	4	19.6	5/11/06
	Santa Clara	Clipper	3	E	1.35	8.5	4	18.6	5/11/06
	Clipper	Santa Clara	3	W	1.35	6.5	4	19.0	5/11/06
	Clipper	Castro	3	E	1.67	6.3	4	20.9	5/11/06
	Castro	Clipper	3	W	1.67	9.1	4	22.6	5/11/06
	Castro	Guerrero	3	E	0.8	8.5	4	13.2	5/11/06
	Guerrero	Castro	3	W	0.8	9.9	4	16.9	5/11/06
	Guerrero	Van Ness	3	E	0.42	5.5	4	6.7	5/11/06
	Van Ness	Guerrero	3	W	0.42	6.3	4	13.6	5/11/06
	Van Ness	Drumm	3	E	1.76	1.5	4	9.3	5/11/06
	Drumm	Van Ness	3	W	1.76	3.2	4	12.8	5/11/06
	Masonic	Pine	Geary	3	S	0.27	5.0	4	13.5
Geary		Bush	3	N	0.20	9.1	4	14.2	5/5/06
Geary		Page	3	S	0.73	6.8	4	11.8	5/5/06
Page		Geary	3	N	0.73	6.8	4	15.4	5/5/06
Mission/ Otis	Embarcadero	3rd Street	3	S	0.73	3.1	4	13.2	5/18/06
	3rd Street	Embarcadero	3	N	0.73	9.7	4	11.8	5/18/06
	3rd Street	9th Street	3	S	0.98	4.1	4	16.3	5/18/06
	9th Street	3rd Street	3	N	0.98	6.7	4	18.4	5/18/06
	9th Street	14th Street	3	S	0.67	5.6	4	14.1	5/18/06
	14th Street	9th Street	3	N	0.65	3.5	4	11.0	5/18/06
	14th Street	C. Chavez	3	S	1.37	3.3	4	16.0	5/18/06
	C. Chavez	14th Street	3	N	1.37	10.0	4	13.6	5/18/06
	C. Chavez	Ocean	3	S	1.94	5.2	4	18.9	5/18/06
	Ocean	C. Chavez	3	N	1.94	8.7	4	18.1	5/18/06
	Ocean	Sickles	3	S	1.45	4.2	4	20.7	5/18/06
	Sickles	Ocean	3	N	1.45	4.0	4	26.3	5/18/06
Montgomery	Broadway	Bush	3	S	0.51	5.1	4	10.2	5/3/06
North Point	Van Ness	Columbus	3	E	0.38	9.4	4	18.9	4/26/06
	Columbus	Van Ness	3	W	0.38	0.7	4	17.6	4/26/06
	Columbus	Embarcadero	3	E	0.62	7.3	4	17.5	4/26/06
	Embarcadero	Columbus	3	W	0.62	8.8	5	18.9	4/26/06

**Appendix - AM Spring 2006 Level of Service (LOS) Monitoring**

Name	From	To	Class	Travel Dir.	Dist. (mi)	Range of Ave Speed	# of Runs	Average Speed	Date Monitored
Oak	Stanyan	Lyon	3	E	0.64	7.2	4	27.9	5/17/06
	Lyon	Divisadero	3	E	0.27	4.3	4	26.7	5/17/06
	Divisadero	Filmore	3	E	0.36	8.6	6	24.7	5/17/06
	Fillmore	Laguna	3	E	0.27	10.3	6	16.5	5/17/06
	Laguna	Franklin	3	E	0.28	12.0	6	14.8	5/17/06
	Stanyan	Divisadero	3	E	0.91	5.3	4	27.7	5/17/06
Ocean	Divisadero	Laguna	3	E	0.63	12.4	6	20.7	5/17/06
	19th Avenue	Miramar	3	E	1.10	3.3	4	14.3	5/17/06
	Miramar	19th Avenue	3	W	1.10	3.6	4	13.8	5/17/06
	Miramar	Howth	3	E	0.47	4.3	4	12.6	5/17/06
Octavia	Howth	Miramar	3	W	0.47	6.7	4	13.4	5/17/06
	Fell	Market	3	S	0.28	5.2	4	14.5	5/11/06
O'Farrell	Market	Fell	3	N	0.28	12.4	5	8.7	5/11/06
	Gough	Mason	3	E	0.93	3.7	4	11.9	5/3/06
O'Farrell	Mason	Market	3	E	0.27	1.1	4	8.2	5/2/06
	Market	Kearny	3	W	0.38	4.9	4	7.5	5/5/06
Pine	Kearny	Leavenworth	3	W	0.63	6.2	4	13.4	5/5/06
	Leavenworth	Franklin	3	W	0.46	4.2	4	12.3	5/5/06
	Franklin	Presidio	3	W	1.26	9.8	4	23.7	5/5/06
Potrero	Division	21st Street	3	S	0.80	8.9	4	21.5	5/16/06
	21st Street	Division	3	N	0.80	4.0	5	17.7	5/16/06
	21st Street	C. Chavez	3	S	0.61	12.0	5	19.1	5/16/06
	C. Chavez	21st Street	3	N	0.61	7.9	5	17.8	5/16/06
Skyline	Sloat	County Line	3	S	1.91	3.7	4	48.7	4/28/06
	County Line	Sloat	3	N	1.92	9.4	4	49.0	4/28/06
Sloat	Skyline	Junipero Serra	1	E	1.36	7.2	4	22.8	4/28/06
	Junipero Serra	Skyline	1	W	1.34	8.9	4	29.8	4/28/06
Stanyan	Fulton	Turk	3	N	0.19	12.3	6	15.7	3/7/06
	Turk	Fulton	3	S	0.19	13.2	6	16.6	3/7/06
Sutter	Market	Mason	3	W	0.56	1.4	4	11.2	5/16/06
	Mason	Gough	3	W	0.87	6.9	4	12.8	5/16/06
	Gough	Divisadero	3	W	0.82	2.2	4	15.1	5/16/06
	Divisadero	Gough	3	E	0.82	1.0	4	15.7	5/16/06
Townsend	7th Street	2nd Street	3	E	0.87	3.5	4	16.6	5/5/06
	2nd Street	7th Street	3	W	0.87	9.0	5	18.9	5/5/06
Turk	Market	Hyde	3	W	0.37	5.1	4	16.9	5/11/06
	Hyde	Gough	3	W	0.45	8.2	4	11.2	5/11/06
	Gough	Divisadero	3	W	0.82	9.5	4	24.4	5/11/06
	Divisadero	Stanyan	3	W	0.91	10.0	4	17.1	5/11/06
	Stanyan	Divisadero	3	E	0.91	4.8	4	17.7	5/11/06
Van Ness/ S VanNess	Lombard	Washington	3	S	0.58	9.4	4	12.7	4/25/06
	Washington	Lombard	3	N	0.58	4.5	4	9.2	4/25/06
	Washington	Golden Gate	3	S	0.83	9.1	4	16.1	4/25/06
	Golden Gate	Washington	3	N	0.83	4.8	4	11.5	4/25/06
	Golden Gate	13th	3	S	0.80	4.3	4	12.7	4/25/06
	13th	Golden gate	3	N	0.79	5.8	4	11.8	4/25/06
	13th	C. Chavez	3	S	1.39	4.6	4	19.2	4/25/06
C. Chavez	Market	3	N	1.87	2.3	4	16.0	4/25/06	
Washington	Drumm	Kearny	3	W	0.45	2.4	4	17.1	3/9/06
West Portal	Ulloa	Sloat	3	S	0.55	0.6	4	16.1	4/28/06
	Sloat	Ulloa	3	N	0.55	5.7	4	18.7	4/28/06
arterial segments to be monitored					262				
arterial segment miles to be monitored					210.1				
<b>FREEWAY SEGMENTS INBOUND</b>									
I-280	C & C Limit	US 101		E	4.06	16.7	4	32.6	4/18/06
	U.S. 101	6th/Brannan		NE	3.42	3.9	5	27.7	4/18/06
US 101	C & C Limit	I-280		N	1.25	20.9	5	57.5	4/19/06
	I-80	Market		N	1.32	7.8	5	15.9	4/19/06
	I-280	I-80		N	2.75	23.6	5	38.0	4/19/06
I-80	Treasure I.	Fremont		S	2.20	25.3	5	36.8	4/21/06
	Fremont	US 101		SW	1.38	6.7	5	51.6	4/21/06
<b>FREEWAY SEGMENTS OUTBOUND</b>									
I-280	6th/Brannan	US 101		W	3.00	2.7	4	69.0	4/18/06
	US 101	C & C Limit		SW	4.30	3.6	4	65.5	4/18/06
US 101	I-80	I-280		S	2.16	13.2	5	40.3	4/19/06
	Market	I-80		S	1.10	11.3	5	12.0	4/19/06
	I-280	C & C Limit		S	1.88	14.1	6	45.8	4/19/06
I-80	US 101	Fremont		N	1.65	4.3	5	12.3	4/21/06
	Fremont	Treasure I.		NE	2.15	5.7	4	43.7	4/21/06
freeway segments to be monitored					14				
freeway segment miles to be monitored					32.6				
total # of segments to be monitored (freeway plus arterial)					276				
total length (miles) to be monitored (freeways plus arterial)					242.7				

Appendix - PM Spring 2006 Level of Service (LOS) Monitoring									
Name	From	To	Class	Travel Dir.	Dist. (mi)	Range of Ave Speed	# of Runs	Average Speed	Date Monitored
1st Street	Market	Harrison	3	S	0.47	0.9	4	4.2	4/19/06
2nd Street	Market	Brannan	3	N	0.72	0.8	4	13.4	4/19/06
	Brannan	Market	3	S	0.72	6.7	4	9.5	4/19/06
3rd Street	Jamestown	Evans	3	N	1.61	2.5	4	12.5	5/8/06 & 5/15/06
	Evans	Jamestown	3	S	1.61	3.2	4	15.8	5/8/06 & 5/15/06
	Evans	China Basin	3	N	2.40	7.3	4	24.0	5/8/06 & 5/15/06
	China Basin	Evans	3	S	2.40	4.1	4	21.8	5/8/06 & 5/15/06
	China Basin	Market	3	N	1.00	9.2	4	12.7	5/8/06 & 5/15/06
4th St/ Stockton	Market	Harrison	3	S	0.47	5.8	4	8.9	4/19/06
	Harrison	King	3	S	0.43	5.6	4	15.0	4/19/06
5th Street	Market	Brannan	3	S	0.72	5.6	4	9.3	4/18/06
	Brannan	Market	3	N	0.72	7.4	4	9.8	4/18/06
6th Street	Market	Brannan	3	S	0.71	2.8	4	12.9	4/18/06
	Brannan	Market	3	N	0.71	0.8	4	12.7	4/18/06
7th Street	Brannan	Market	3	N	0.72	10.0	4	15.4	4/17/06
8th Street	Market	Bryant	3	S	0.59	1.2	4	15.9	4/17/06
9th Street	Brannan	Market	3	N	0.72	4.5	4	13.3	3/9/06
10th Street	Market	Brannan	3	S	0.71	5.6	4	16.4	3/9/06
16th Street	Market	Mission	3	E	0.74	7.9	4	11.0	5/11/06
	Mission	Market	3	W	0.74	5.2	4	10.6	5/11/06
	Mission	Potrero	3	E	0.66	2.8	4	13.1	5/11/06
	Potrero	Mission	3	W	0.66	7.2	5	11.2	5/11/06
19th Avenue/ Park Presidio	US 101	Lake	1	S	1.20	6.5	4	35.4	4/27/06
	Lake	US 101	1	N	1.20	3.8	4	34.7	4/27/06
	Lake	Lincoln	3	S	1.83	8.2	4	24.1	4/27/06
	Lincoln	Lake	3	N	1.83	2.5	4	27.2	4/27/06
	Sloat	Lincoln	3	N	2.12	7.6	4	20.5	4/27/06
	Lincoln	Sloat	3	S	2.12	1.6	4	21.6	4/27/06
	J. Serra	Sloat	3	N	1.25	7.7	4	9.9	4/27/06
	Sloat	J. Serra	3	S	1.25	5.9	4	14.8	4/27/06
Alemany	County Line	Lyell	3	E	2.79	3.4	4	20.4	5/11/06
	Lyell	County Line	3	W	2.79	7.6	4	19.5	5/11/06
	Lyell	Bayshore	3	E	1.58	2.3	4	32.1	5/11/06
	Bayshore	Lyell	3	W	1.58	9.1	4	32.4	5/11/06
Bay Street	Van Ness	Embarcadero	3	W	1.06	5.4	4	13.4	4/24/06
	Embarcadero	Van Ness	3	W	1.06	2.9	4	18.7	4/24/06
Bayshore	Oakdale	I-280	3	S	0.54	7.6	4	19.0	5/15/06
	I-280	Oakdale	3	N	0.54	6.7	4	14.2	5/15/06
	I-280	Silver	3	S	0.20	10.0	4	20.8	5/15/06
	Silver	I-280	3	N	0.20	5.5	4	31.8	5/15/06
	Silver	Paul	3	S	0.66	9.4	4	23.1	5/15/06
	Paul	Silver	3	N	0.66	10.2	5	24.6	5/15/06
	Paul	County Line	3	S	1.21	5.6	4	17.6	5/15/06
	County Line	Paul	3	N	1.21	5.1	4	21.6	5/15/06
	C. Chavez	Industrial	3	S	0.83	8.1	5	21.1	5/15/06
	Industrial	C. Chavez	3	N	0.83	10.4	5	13.1	5/15/06
	Industrial	County Line	3	S	2.24	3.5	4	19.7	5/15/06
County Line	Industrial	3	N	2.24	5.1	4	22.0	5/15/06	
Beale/Davis	Clay	Mission	3	S	0.31	12.5	5	14.6	5/4/06
Brannan	Division	9th Street	3	E	0.07	7.9	4	10.4	3/9/06
	9th Street	Division	3	W	0.07	7.0	4	4.4	3/9/06
	6th Street	5th Street	3	E	0.17	2.9	4	10.7	3/9/06
	5th Street	6th Street	3	W	0.17	4.6	5	15.6	3/9/06
Broadway	Gough	Larkin	3	E	0.37	6.0	4	11.5	5/2/06
	Larkin	Gough	3	W	0.37	2.3	4	7.3	5/2/06
	Larkin	Powell	1	E	0.54	12.6	6	26.1	5/2/06
	Powell	Larkin	1	W	0.54	12.5	5	32.7	5/2/06
	Powell	Montgomery	3	E	0.34	7.1	4	12.8	5/2/06
	Montgomery	Powell	3	W	0.34	6.6	4	8.0	5/2/06
	Montgomery	Embarcadero	3	E	0.35	2.2	4	9.0	5/2/06
	Embarcadero	Montgomery	3	W	0.35	7.6	4	10.1	5/2/06
Bryant	Division	4th Street	3	E	0.99	0.6	4	13.3	4/24/06
	4th Street	Embarcadero	3	E	0.78	11.6	5	19.5	4/24/06
Bush	Masonic	Gough	3	E	1.23	3.1	4	19.0	5/4/06
	Gough	Market	3	E	1.36	1.5	4	12.5	5/4/06
Castro/ Divisadero	Pine	Geary	3	S	0.27	5.0	4	11.7	3/8/06
	Geary	Pine	3	N	0.27	1.5	4	7.5	3/8/06
	Geary	14th	3	S	1.16	6.5	4	12.3	3/8/06
	14th	Geary	3	N	1.16	2.7	4	9.4	3/8/06
	14th	Market	3	S	0.34	14.3	6	12.0	3/8/06
	Market	14th Street	3	N	0.34	1.9	4	15.2	3/8/06

**Appendix - PM Spring 2006 Level of Service (LOS) Monitoring**

Name	From	To	Class	Travel Dir.	Dist. (mi)	Range of Ave Speed	# of Runs	Average Speed	Date Monitored
Cesar Chavez	Guerrero	Bryant	3	E	0.75	9.0	4	18.2	5/17/06
	Bryant	Guerrero	3	W	0.75	6.1	4	18.8	5/17/06
	Kansas	Bryant	3	W	0.37	3.4	4	30.4	5/17/06
	Bryant	Kansas	3	E	0.37	8.5	6	31.4	5/17/06
	Kansas	3rd Street	3	W	0.79	8.7	6	19.5	5/17/06
	3rd Street	Kansas	3	W	0.79	7.9	4	21.1	5/17/06
	Guerrero	SVanNess	3	E	0.36	12.9	6	14.6	5/17/06
	SVanNess	Guerrero	3	W	0.36	8.8	4	17.7	5/17/06
	SVanNess	Evans	3	E	1.02	4.4	4	21.5	5/17/06
	Evans	SVanNess	3	W	1.02	6.0	4	26.2	5/17/06
	Evans	Penn.	3	E	0.27	9.5	4	20.7	5/17/06
	Penn.	Evans	3	W	0.27	8.7	4	24.7	5/17/06
	Penn.	3rd Street	3	E	0.27	9.2	4	23.6	5/17/06
3rd Street	Penn.	3	W	0.27	9.1	4	11.7	5/17/06	
Clay	Kearny	Davis	3	E	0.37	4.2	4	8.7	3/9/06
Columbus	North Point	Greenwich	3	S	0.43	4.6	4	15.9	5/3/06
	Greenwich	North Point	3	N	0.43	5.3	4	13.3	5/3/06
	Greenwich	Montgomery	3	S	0.67	3.7	4	9.2	5/3/06
	Montgomery	Greenwich	3	N	0.67	3.9	4	12.8	5/3/06
Doyle/ Richardson	County Line	Veterans	1	S	0.76	3.5	4	21.7	4/20/06
	Veterans	County Line	1	N	0.76	1.7	4	24.2	4/20/06
	Veterans	Francisco	1	E	1.37	1.5	4	23.8	4/20/06
	Francisco	Veterans	1	W	1.37	1.8	4	23.5	4/20/06
Drumm	Washington	Market	3	S	0.23	0.8	4	9.7	4/25/06
	Market	Washington	3	N	0.23	2.3	4	11.7	4/25/06
Duboce/ Division	Market	Mission	3	E	0.34	6.1	4	9.4	5/11/06
	Mission	Market	3	W	0.34	2.5	4	6.5	5/11/06
	Mission	Potrero	3	E	0.64	7.2	4	14.1	5/11/06
	Potrero	Mission	3	W	0.64	3.8	4	9.4	5/11/06
Embarcadero	North Point	Townsend	3	S	2.15	6.9	4	16.0	4/26/06
	Townsend	North Point	3	N	2.15	5.6	4	15.2	4/26/06
Evans	Cesar Chavez	Toland	3	S	0.18	6.5	4	24.1	5/17/06
	Toland	Cesar Chavez	3	N	0.18	9.9	4	18.5	5/17/06
	Toland	3rd Street	3	S	0.53	4.0	4	18.1	5/17/06
	3rd Street	Toland	3	N	0.53	5.2	4	25.7	5/17/06
	Cesar Chavez	3rd Street	3	S	0.71	6.2	6	19.1	5/17/06
	3rd Street	Cesar Chavez	3	N	0.71	14.2	6	23.8	5/17/06
Fell	Gough	Market	3	E	0.30	3.5	4	7.0	5/10/06
	Gough	Laguna	3	W	0.20	3.0	4	16.9	5/10/06
	Laguna	Stanyan	3	W	1.55	3.9	4	19.6	5/10/06
Folsom	13th Street	8th Street	3	E	0.48	8.1	4	18.0	4/24/06
	8th Street	4th Street	3	E	0.68	10.5	5	18.8	4/24/06
	4th Street	1st Street	3	E	0.56	8.4	4	18.3	4/24/06
	1st Street	Embarcadero	3	E	0.35	4.4	4	10.0	4/24/06
Franklin	Market	Pine	3	N	1.06	5.1	4	14.5	5/8/06
	Pine	Lombard	3	N	0.82	2.6	4	17.5	5/8/06
Fremont	Harrison	Market	3	N	0.49	3.4	4	14.1	4/25/06
Fulton	Park P.	Arguello	3	E	0.73	10.2	5	25.0	3/7/06
	Arguello	Park P.	3	W	0.73	4.1	4	23.6	3/7/06
	Park P.	10th Avenue	3	E	0.20	5.6	5	26.1	3/7/06
	10th Avenue	Park P.	3	W	0.20	6.6	4	19.9	3/7/06
	Arguello	Masonic	3	E	0.66	9.6	4	15.0	3/7/06
	Masonic	Arguello	3	W	0.66	7.6	4	20.7	3/7/06
Geary	Great Hwy.	25th Avenue	3	E	1.47	4.6	4	23.6	5/1/06
	25th Avenue	Great Hwy.	3	W	1.47	7.8	4	21.0	5/1/06
	25th Avenue	Arguello	3	E	1.42	7.3	4	14.9	5/1/06
	Arguello	25th Avenue	3	W	1.42	4.4	4	15.1	5/1/06
	Arguello	Gough	3	E	1.89	6.2	4	22.4	5/1/06
	Gough	Arguello	3	W	1.89	4.1	4	19.1	5/1/06
	Market	Gough	3	W	1.21	4.0	4	12.2	5/1/06
Geneva	Phelan	Cayuga	3	E	0.57	6.7	4	12.9	5/17/06
	Cayuga	Phelan	3	W	0.57	2.7	4	7.9	5/17/06
	Cayuga	Paris	3	E	0.33	0.7	4	8.8	5/17/06
	Paris	Cayuga	3	W	0.33	4.9	4	10.1	5/17/06
	Paris	Santos	3	E	1.18	5.1	4	21.0	5/17/06
	Santos	Paris	3	W	1.18	5.0	4	25.2	5/17/06
Golden Gate	Masonic	Franklin	3	E	1.36	4.6	4	25.9	5/9/06
	Franklin	Market	3	E	0.65	2.7	4	11.7	5/9/06
Gough	Pine	Geary	3	S	0.27	3.8	4	11.4	5/8/06
	Geary	Golden Gate	3	S	0.34	9.0	5	13.6	5/8/06
	Golden Gate	Market	3	S	0.57	4.4	4	7.0	5/8/06

Appendix - PM Spring 2006 Level of Service (LOS) Monitoring									
Name	From	To	Class	Travel Dir.	Dist. (mi)	Range of Ave Speed	# of Runs	Average Speed	Date Monitored
Guerrero/ San Jose	Cesar Chavez	29th Street	3	S	0.30	8.6	4	20.1	5/17/06
	29th Street	Cesar Chavez	3	N	0.30	3.4	4	14.1	5/17/06
	29th Street	Monterey	1	S	0.97	9.7	5	27.7	5/17/06
	Monterey	29th Street	1	N	1.24	7.5	5	27.0	5/17/06
Harrison	Embarcadero	1st Street	3	W	0.34	12.5	5	14.3	4/24/06
	1st Street	4th Street	3	W	0.56	7.8	4	19.0	4/24/06
	4th Street	8th Street	3	W	0.68	7.0	4	18.8	4/24/06
	8th Street	Division	3	W	0.40	2.5	4	12.4	4/24/06
	Embarcadero	2nd Street	3	W	0.49	5.9	4	14.0	4/24/06
	2nd Street	4th Street	3	W	0.35	4.1	4	23.6	4/24/06
Hayes	Market	Gough	3	W	0.38	3.4	4	11.8	5/15/06
Howard	Embarcadero	S. Van Ness	3	W	2.20	4.2	4	12.7	4/24/06
J. Serra	Sloat	19th	1	S	1.22	5.9	4	18.8	4/26/06
	19th	Sloat	1	N	1.22	5.5	4	11.8	4/26/06
	19th	Brotherhood	1	S	0.32	3.5	4	35.3	4/26/06
	Brotherhood	19th	1	N	0.32	7.1	4	16.2	4/26/06
	Brotherhood	County Line	1	S	0.30	2.8	4	39.2	4/26/06
	County Line	Brotherhood	1	N	0.30	6.5	4	41.8	4/26/06
Kearny	Market	Columbus	3	N	0.63	5.1	4	11.7	5/8/06
King	5th Street	2nd Street	3	E	0.52	8.5	4	13.2	5/17/06
	2nd Street	5th Street	3	W	0.52	7.4	4	16.2	5/17/06
Lincoln/Kezar	19th Avenue	5th Ave.	3	E	0.83	6.5	4	12.3	5/17/06
	5th Avenue	19th Avenue	3	W	0.83	9.4	4	22.7	5/17/06
	5th Avenue	Stanyan	3	E	0.69	5.5	5	22.8	5/17/06
	Stanyan	5th Ave.	3	W	0.69	4.3	4	23.6	5/17/06
Lombard	Francisco	Broderick	3	E	0.16	10.0	5	11.9	4/20/06
	Broderick	Francisco	3	W	0.16	11.8	5	18.8	4/20/06
	Broderick	Pierce	3	E	0.28	10.7	5	15.1	4/20/06
	Pierce	Broderick	3	W	0.28	12.3	5	20.2	4/20/06
	Pierce	Laguna	3	E	0.45	6.6	5	22.6	4/20/06
	Laguna	Pierce	3	W	0.45	10.7	5	13.8	4/20/06
	Laguna	Van Ness	3	E	0.37	6.3	5	9.8	4/20/06
	Van Ness	Laguna	3	W	0.37	12.3	5	13.5	4/20/06
	Francisco	Van Ness	3	E	1.28	4.7	5	14.5	4/20/06
	Van Ness	Francisco	3	W	1.28	10.7	5	15.3	4/20/06
Main	Mission	Market	3	N	0.13	10.6	5	14.4	4/25/06
Market/ Portola	Sloat	Santa Clara	3	E	0.41	9.3	4	21.0	5/10/06
	Santa Clara	Sloat	3	W	0.41	7.9	4	14.8	5/10/06
	Santa Clara	Clipper	3	E	1.35	9.6	4	20.6	5/10/06
	Clipper	Santa Clara	3	W	1.35	9.8	4	24.0	5/10/06
	Clipper	Castro	3	E	1.67	5.7	4	22.0	5/10/06
	Castro	Clipper	3	W	1.67	7.0	4	28.0	5/10/06
	Castro	Guerrero	3	E	0.8	2.4	4	10.0	5/10/06
	Guerrero	Castro	3	W	0.8	8.0	4	19.4	5/10/06
	Guerrero	Van Ness	3	E	0.42	3.0	4	7.0	5/10/06
	Van Ness	Guerrero	3	W	0.42	9.8	4	12.1	5/10/06
	Van Ness	Drumm	3	E	1.76	4.1	4	11.0	5/10/06
	Drumm	Van Ness	3	W	1.76	4.9	4	9.9	5/10/06
Masonic	Pine	Geary	3	S	0.27	1.0	5	11.4	5/4/06
	Geary	Bush	3	N	0.20	7.8	5	15.5	5/4/06
	Geary	Page	3	S	0.73	3.0	4	11.1	5/4/06
	Page	Geary	3	N	0.73	2.9	4	13.8	5/4/06
Mission/ Otis	Embarcadero	3rd Street	3	S	0.73	3.3	4	13.4	5/16/06
	3rd Street	Embarcadero	3	N	0.73	3.4	4	7.6	5/16/06
	3rd Street	9th Street	3	S	0.98	5.4	4	18.3	5/16/06
	9th Street	3rd Street	3	N	0.98	2.7	4	12.7	5/16/06
	9th Street	14th Street	3	S	0.67	3.5	4	12.9	5/16/06
	14th Street	9th Street	3	N	0.65	5.4	4	12.3	5/16/06
	14th Street	C. Chavez	3	S	1.37	6.5	4	13.3	5/16/06
	C. Chavez	14th Street	3	N	1.37	2.2	4	12.6	5/16/06
	C. Chavez	Ocean	3	S	1.94	6.5	4	14.7	5/16/06
	Ocean	C. Chavez	3	N	1.94	4.1	4	19.1	5/16/06
	Ocean	Sickles	3	S	1.45	7.7	4	21.3	5/16/06
	Sickles	Ocean	3	N	1.45	3.9	4	23.0	5/16/06
Montgomery	Broadway	Bush	3	S	0.51	9.4	5	8.2	5/3/06
North Point	Van Ness	Columbus	3	E	0.38	4.1	4	11.4	4/26/06
	Columbus	Van Ness	3	W	0.38	9.4	4	19.5	4/26/06
	Columbus	Embarcadero	3	E	0.62	3.3	4	12.8	4/26/06
	Embarcadero	Columbus	3	W	0.62	2.6	4	19.5	4/26/06



Appendix - PM Spring 2006 Level of Service (LOS) Monitoring									
Name	From	To	Class	Travel Dir.	Dist. (mi)	Range of Ave Speed	# of Runs	Average Speed	Date Monitored
Oak	Stanyan	Lyon	3	E	0.64	2.6	4	24.2	5/10/06
	Lyon	Divisadero	3	E	0.27	8.5	4	20.4	5/10/06
	Fillmore	Laguna	3	E	0.27	5.9	4	23.8	5/10/06
	Divisadero	Filmore	3	E	0.36	3.1	4	24.6	5/10/06
	Laguna	Franklin	3	E	0.28	3.9	4	16.2	5/10/06
	Stanyan	Divisadero	3	E	0.91	4.7	4	23.0	5/10/06
	Divisadero	Laguna	3	E	0.63	2.6	4	24.2	5/10/06
Ocean	19th Avenue	Miramar	3	E	1.10	2.1	4	12.4	5/17/06
	Miramar	19th Avenue	3	W	1.10	2.8	4	12.5	5/17/06
	Miramar	Howth	3	E	0.47	10.9	5	14.2	5/17/06
	Howth	Miramar	3	W	0.47	2.8	4	9.5	5/17/06
Octavia	Fell	Market	3	S	0.28	8.3	4	14.2	5/9/06
	Market	Fell	3	N	0.28	0.5	4	8.2	5/9/06
O'Farrell	Gough	Mason	3	E	0.93	3.2	4	9.9	5/1/06
	Mason	Market	3	E	0.27	2.6	4	6.7	5/1/06
Pine	Market	Kearny	3	W	0.38	6.4	4	8.9	5/4/06
	Kearny	Leavenworth	3	W	0.63	8.2	4	16.2	5/4/06
	Leavenworth	Franklin	3	W	0.46	1.7	4	12.6	5/4/06
	Franklin	Presidio	3	W	1.26	6.2	4	20.3	5/4/06
Potrero	Division	21st Street	3	S	0.80	8.3	4	16.5	5/15/06
	21st Street	Division	3	N	0.80	6.2	5	14.9	5/15/06
	21st Street	C. Chavez	3	S	0.61	10.6	5	15.5	5/15/06
	C. Chavez	21st Street	3	N	0.61	9.6	5	17.0	5/15/06
Skyline	Sloat	County Line	3	S	1.91	3.1	4	47.1	4/26/06
	County Line	Sloat	3	N	1.92	2.1	4	49.3	4/26/06
Sloat	Skyline	J. Serra	1	E	1.36	4.1	4	25.9	4/26/06
	J. Serra	Skyline	1	W	1.34	12.3	5	24.8	4/26/06
Stanyan	Fulton	Turk	3	N	0.19	11.0	5	15.9	3/7/06
	Turk	Fulton	3	S	0.19	4.1	4	18.9	3/7/06
Sutter	Market	Mason	3	W	0.56	5.4	4	11.6	5/15/06
	Mason	Gough	3	W	0.87	2.7	4	13.3	5/15/06
	Gough	Divisadero	3	W	0.82	2.1	4	13.3	5/15/06
	Divisadero	Gough	3	E	0.82	5.0	4	15.8	5/15/06
Townsend	7th Street	2nd Street	3	E	0.87	10.0	5	21.3	5/4/06
	2nd Street	7th Street	3	W	0.87	3.4	4	18.7	5/4/06
Turk	Market	Hyde	3	W	0.37	4.6	4	12.8	5/9/06
	Hyde	Gough	3	W	0.45	2.8	4	10.5	5/9/06
	Gough	Divisadero	3	W	0.82	2.7	4	19.3	5/9/06
	Divisadero	Stanyan	3	W	0.91	2.1	4	21.3	5/9/06
	Stanyan	Divisadero	3	E	0.91	4.8	4	18.4	5/9/06
Van Ness/ S VanNess	Lombard	Washington	3	S	0.58	2.6	4	13.5	4/25/06
	Washington	Lombard	3	N	0.58	5.4	4	22.4	4/25/06
	Washington	Golden Gate	3	S	0.83	6.6	4	8.0	4/25/06
	Golden Gate	Washington	3	N	0.83	3.6	4	16.6	4/25/06
	Golden Gate	13th	3	S	0.80	6.7	4	9.1	4/25/06
	13th	Golden Gate	3	N	0.79	7.2	4	10.2	4/25/06
	13th	C. Chavez	3	S	1.39	4.1	4	20.2	4/25/06
C. Chavez	13th	3	N	1.39	4.1	4	16.3	4/25/06	
Washington	Drumm	Kearny	3	W	0.45	1.1	4	14.1	3/9/06
West Portal	Ulloa	Sloat	3	S	0.55	5.2	4	17.1	4/26/06
	Sloat	Ulloa	3	N	0.55	4.6	4	15.1	4/26/06
arterial segments to be monitored					262				
arterial segment miles to be monitored					210.0				
<b>FREEWAY SEGMENTS INBOUND</b>									
I-280	C & C Limit	US 101		E	4.06	2.2	4	68.2	4/18/06
	U.S. 101	6th/Brannan		NE	3.42	19.4	4	25.4	4/18/06
US 101	C & C Limit	I-280		N	1.25	27.4	4	55.2	4/19/06
	I-280	I-80		N	2.75	20.4	4	53.1	4/19/06
I-80	I-80	Market		NW	1.32	15.7	4	13.5	4/19/06
	Treasure I.	Fremont		S	2.20	23.7	5	41.9	4/17/06
I-80	Fremont	US 101		SW	1.38	9.6	5	22.4	4/17/06
	<b>FREEWAY SEGMENTS OUTBOUND</b>								
I-280	6th/Brannan	US 101		W	3.00	21.2	4	29.8	4/18/06
	US 101	C & C Limit		SW	4.30	7.5	4	54.3	4/18/06
US 101	Market	I-80		S	1.10	12.9	4	8.9	4/19/06
	I-80	I-280		S	2.16	9.8	4	30.3	4/19/06
	I-280	C & C Limit		S	1.88	5.5	4	52.2	4/19/06
I-80	US 101	Fremont		N	1.65	4.8	4	8.9	4/17/06
	Fremont	Treasure I.		NE	2.15	10.3	4	41.5	4/17/06
freeway segments to be monitored					14				
freeway segment miles to be monitored					32.6				
total # of segments to be monitored (freeway plus arterial)					276				
total length (miles) to be monitored (freeways plus arterial)					242.7				