

Golden Gate Park Transportation Access

Report on Weekend Access Conditions, Summer 2006

Revised March 2007

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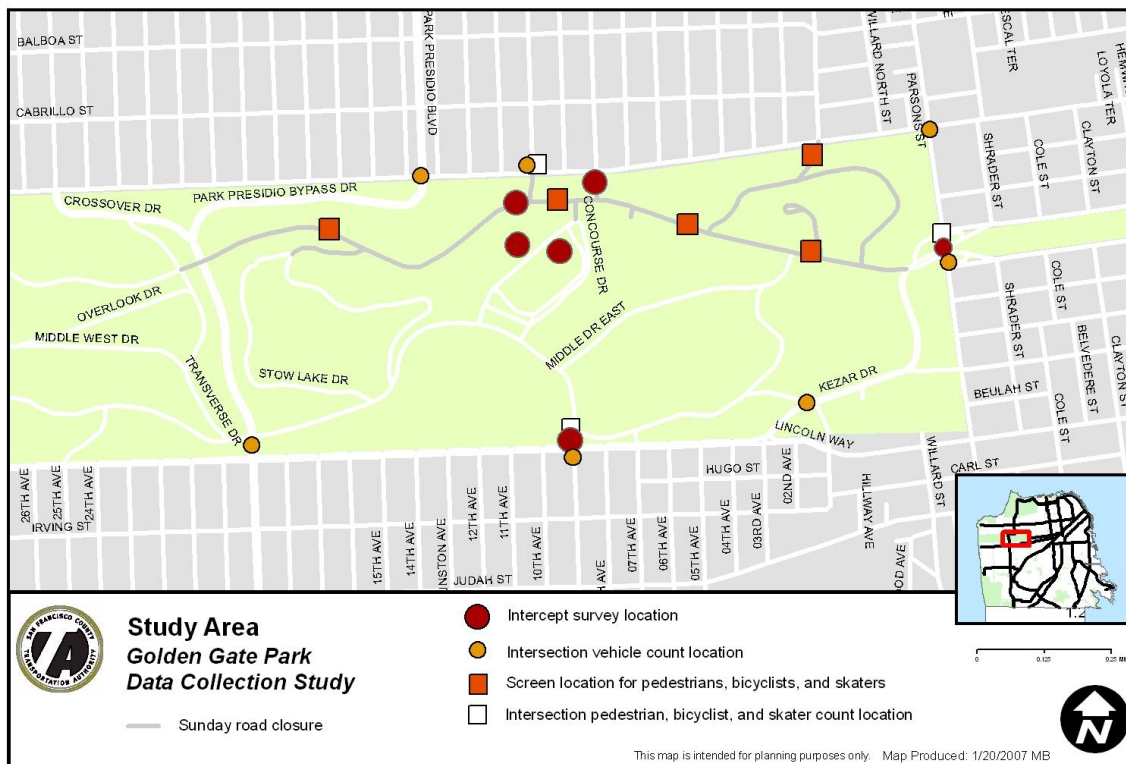
Municipal Transportation Authority, Jerry Robbins

The San Francisco County Transportation Authority (Authority), in cooperation with the Municipal Transportation Agency's Department of Parking and Traffic (MTA) managed data collection at Golden Gate Park to examine the differences in park use and access on Saturdays and Sundays. Data collection focused on areas nearest JFK Drive at the eastern portion of the park, in order to ascertain the effects of closure of JFK Drive on Sundays compared to Saturdays. Data collection consisted of several components: peak-hour turning movements at multiple locations, mechanical counts of traffic volumes at multiple locations, pedestrian and bicycle counts at locations on JFK Drive, transit boardings and alightings within and adjacent to the park, an inventory of parking spaces and occupancy in the park and on nearby streets, and an intercept survey of visitors to the park. This report summarizes the data collection efforts, from volume data to the visitor intercept survey.

METHODOLOGY

Data was collected at the same locations on 2 Saturdays and 2 Sundays in August. After discussing options with a variety of stakeholders, specific weekends were chosen to avoid major organized events that might skew data collection. The weekends of August 5-6 and August 19-20 were chosen. The first weekend was sunny and clear on both days, while the second weekend was foggy and cold on both days. This allows for direct comparison between Saturday and Sunday, and at the same time allows for comparison of use between good and poor weather and attendance of the park. Note that there was one event on the weekend of August 19 and 20, held in the Speedway Meadow in the western portion of the Park, with approximately 200 estimated visitors.

Figure 1: Data Collection Area



The study area is located in the eastern portion of Golden Gate Park (see Figure 1). Intersection turning movement counts were taken at 7 locations along the perimeter of the eastern end of Golden Gate Park: JFK Drive at Stanyan Street; Fulton Street at Stanyan Street; Kezar Drive at MLK Drive; 9th Avenue at Lincoln Way; 10th Avenue at Fulton Street; Fulton Street at Park Presidio Drive; and MLK Drive at Crossover Drive. Intersection counts of pedestrians, bicycles, and skaters were also taken at 3 of the 7 locations. Screenline

counts were taken at 5 locations on or near JFK Drive. They count all pedestrians, bicyclists, rollerskaters, and skateboarders who passed by the count location from 1-3pm.

Mechanical vehicular traffic volumes were also recorded in both directions on the following streets: Stanyan Street, south of Fulton Street; Fulton Street, west of Stanyan Street; JFK Drive, west of Kezar Drive; Kezar Drive, north of Lincoln Way; Arguello Boulevard, south of Fulton Street; 8th Avenue, south of Fulton Street; MLK Drive, south of Middle Drive East; 10th Avenue, south of Lincoln Way; and Cabrillo Street, west of 5th Avenue.

In addition to the mechanical counts, MTA staff assessed existing parking conditions in and around Golden Gate Park on the two study weekends. Observers recorded the number of occupied and unoccupied parking spaces between noon and 4 PM on each day, as well as the number of illegal parkers. Occupancy figures for the Golden Gate Park Concourse Garage were provided by the garage operator.

The parking analysis includes the area bounded by Balboa Street to the north, Funston Avenue and Crossover Drive to the west, Judah Street and Parnassus Avenue to the south, and Cole Street to the east. The study area is divided into four sub-areas: north of the Park (2,061 spaces), east of the Park (1,561 spaces), south of the Park (2,874 spaces), and within the eastern half of the Park (1,870 spaces, including 27 blue zone spaces). On Sundays, the supply of surface parking spaces within the eastern half of Golden Gate Park declines to 1,197 spaces (including 14 blue zone spaces), a decrease of 673 parking spaces, due to the closure of several Park streets on Sundays. The portion of Geary Boulevard between 6th and 11th Avenues was also surveyed.

For the visitor intercept survey, surveyors were stationed at 6 locations near entrances to the Park and its major attractions. These include: 8th Ave between Fulton and JFK, JFK Drive at Stanyan, 9th Ave at MLK Drive, JFK Drive at 10th Ave, at the de Young Museum and outside the Concourse Garage. The 17-question survey focused specifically on the JFK area of the park and can not be extrapolated to uses of all areas within Golden Gate Park. Surveys were gathered from 1-3pm on the same two Saturdays and Sundays as the counts conducted above. A total of 763 surveys were completed during these two weekends¹. The survey, detail on locations, and tabular summaries of survey results are attached as Appendix A. Cross tabulations based on the survey questions are included in this analysis.

STUDY FINDINGS

Pedestrian & Bicycle Access

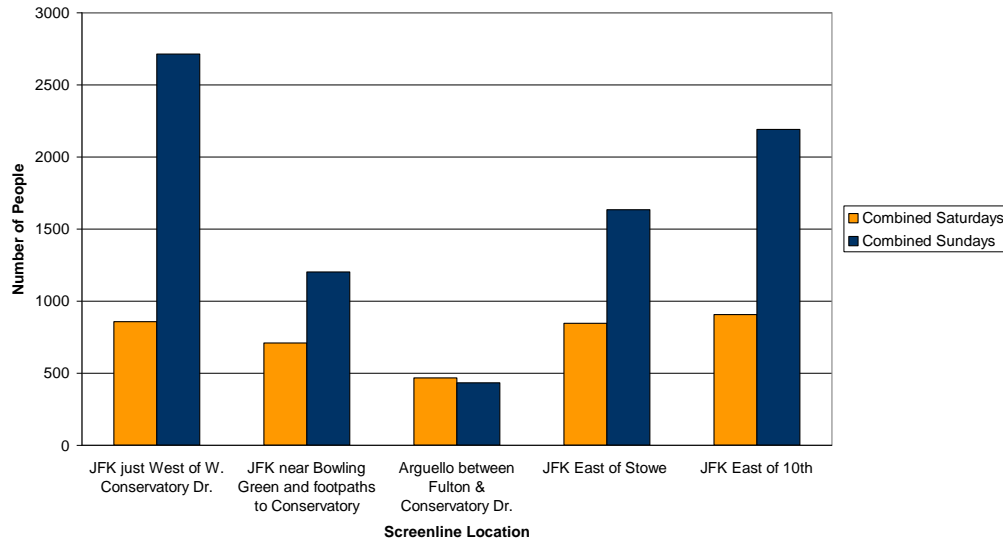
On both the sunny and foggy weekend, the number of people walking, bicycling, or skating in the park was higher on Sunday than on Saturday. Not surprisingly given the Sunday closure, the highest increase is on JFK Drive just west of Conservatory Drive West; pedestrians, skaters, and bicyclists there more than tripled from Saturday to Sunday (from 856 to 2,712). The number more than doubled on JFK east of 10th Avenue (from 906 to 2,188), and nearly doubled on JFK just east of Stow (from 846 to 1,633). The only location examined that did not see an increase was at Arguello between Fulton and Conservatory Drive, where there was a decrease in pedestrians, skaters and bicyclists on Sunday (431) as compared to Saturday (466). The average of these combined counts of users demonstrate that within the area examined, visitors walking, bicycling or skating increased 116% on Sunday as compared to Saturday.

The volume of pedestrian and bicycle traffic at three key intersections bordering the park increased in all directions on Sunday, particularly in the north and southbound directions. The combined average of key

¹ Note that one of the data collection points was at the entrance to the parking garage. This may result in an over-sampling of car drivers and parking garage users. This potentially results in an over-sampling of visitors to the attractions adjacent to the garage as well.

intersection locations show a 24% increase in pedestrian and bicycle volumes on Sundays as compared to Saturdays.

Figure 2: Pedestrians and Bicyclists by Location



Of the 13% of visitors who accessed the park with a bike, the vast majority rode their bikes the whole way to the park, as opposed to bringing a bike in a vehicle to ride just within the park. On Sundays, 85% of bicyclists rode the whole way to the park, 5% combined bikes and transit, and 11% brought their bikes to the park in a vehicle.

Vehicular Access

Vehicular traffic decreased in north and south bound routes within the study area from Saturday to Sunday and increased slightly in east and westbound routes in the study area. Typical fluctuations in vehicular traffic on Saturday and Sunday ranged between an 8% increase and a 7% decrease by location. At some locations, differences between Saturday and Sunday volumes were greater; however the base volumes at these locations were very low. For example, at MLK Drive near Kezar the Sunday volume is approximately 122% of the Saturday volume but volumes on this route are lower than 150 vehicles per hour. See Appendix D2 for more detail on average change in volumes over both weekends.

There are a few locations where observed differences were atypical—Stanyan at Fulton being the most noteworthy location, with an increase of approximately 16% on Sunday. The high volume of traffic is not limited to Sundays. According to the Golden Gate Park Concourse EIR, this intersection operates at Level of Service (LOS) C even during the weekday pm peak. As such, MTA is currently working to identify and implement methods of improving traffic operations at this location.

Other streets with traffic volume increases include westbound Kezar Drive leading to MLK Drive and Lincoln Way and southbound 10th Avenue leading to the underground parking garage. Traffic is lower on southbound 9th Avenue north and south of Lincoln Way on Sundays because of the closures on north/south roadways into the Park such as 8th Avenue and Arguello Boulevard. Higher Sunday traffic volumes along southbound Park Presidio Boulevard may be due to factors other than the closure of Golden Gate Park roadways, such as fluctuations in regional traffic volumes along this State Highway.

Table 1 below shows the peak-hour intersection Level of Service (LOS) and the average delay in seconds per vehicle at each study area intersection on Saturday and Sunday, August 5 and 6, 2006. All intersections operated at LOS A, B or C on both days.

Table 1 Intersection Level of Service in the study area on Saturday and Sunday

INTERSECTION	SATURDAY		SUNDAY	
	LOS	Delay	LOS	Delay
Fulton/Park Presidio	C	28.4	C	30.7
Fulton/10th Avenue	A	8.7	A	9.2
Fulton/Stanyan	C	32.1	C	32.7
JFK/Stanyan	C	30.2	C	25.3
Kezar/MLK	B	10.2	B	12.7
9th Ave/Lincoln	B	13.1	B	12.2
MLK/Crossover	C	23.8	C	27.1

Mechanical traffic counts also recorded changes in vehicular traffic volumes on two residential streets near Golden Gate Park to assess whether there is a change in volume on these streets due to traffic circulating the area looking for parking or other reasons. 24-hour traffic volumes were recorded on Cabrillo Street between 5th and 6th Avenues and on 10th Avenue between Lincoln Way and Irving Street. Two-way traffic volumes on each of these blocks during daytime hours (8am – 6pm) were virtually identical (less than one percent difference) on Saturday and Sunday. For the full 24-hour period, Sunday volumes were lower than Saturday volumes (between 6% - 8%) due to higher traffic volumes on Saturday nights than on Sunday nights.

Transit Access

There was little variation in transit access to this area between Saturday and Sunday—transit ridership was 2% greater on Saturday than on Sunday. The N-Judah carries the most transit riders to this area of Golden Gate Park, about 50%, with boardings² and alightings on the 28-19th Avenue (between 16% on Saturday and 22% on Sunday) and the 71-Haight-Noriega close behind (between 13% and 14% respectively). Of all transit lines in the study area, the greatest difference between Saturday and Sunday was on the 21-Hayes. However, this line had the lowest number of boardings and alightings per hour within the study area (16 on Saturday and 4 on Sunday). Transit service on some lines was irregular during data collection, meaning that buses did not always arrive at consistent, even intervals, which may also account for the variation.

Visitor Behavior and Preferences

According to the intercept survey, visitors are drawn to this area of the Park for a wide variety of activities. The top purpose for park trips are visits to attractions (30%) such as the Japanese Tea Gardens and de Young Museum, which also ranked top among institutional attractions. The second most popular visit purpose is exercise and walking around (28%). One-fifth of respondents indicated more than one purpose for their visit. Organized events and recreational activities such as picnicking made up a combined 11% of trip purpose. Trip purpose varied somewhat on Sundays as compared to Saturdays. The percentage of respondents citing attractions as the trip purpose decreased (from 36% to 24%), while all other categories of trip purpose increased. Trip purpose remained constant across the foggy and sunny weekend, except for an increase in the proportion of people walking around and a decrease in recreational activities.

² Transit access was measured by counting the number of boardings (passengers getting on) and alightings (passengers getting off) per hour at each location.

Figure 3 Purpose of visit to Golden Gate Park

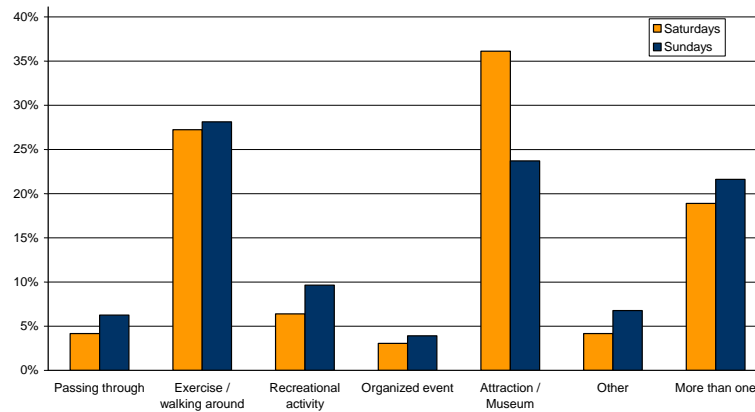
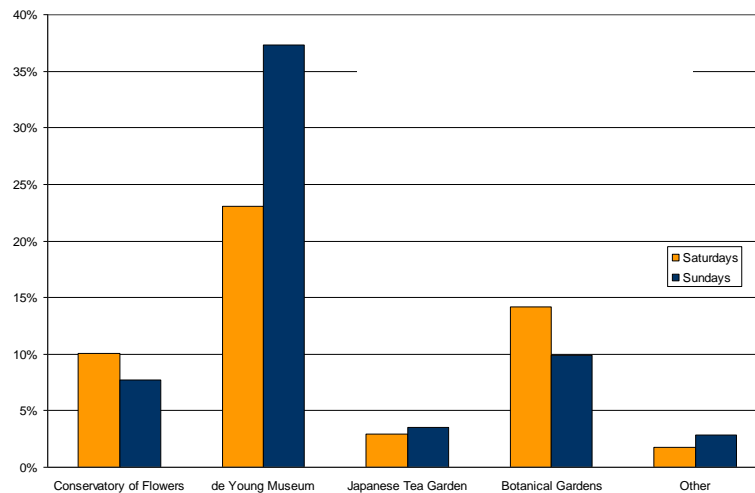


Figure 4 Institution visited by visitors who visited an attraction



Of the surveyed park users who visited an attraction, more visited the de Young Museum on Sundays than on Saturdays (37% and 23% respectively). Overall, however, fewer visitors visited more than one attraction or museum on Sundays (41% on the sunny weekend) than on Saturdays (53% on the sunny weekend). On the foggy weekend, this difference decreased to 5% (22% on Sunday to 17% on Saturday). About half of park visitors had visited or intended to visit one of the nearby businesses, 51% and 49% on Saturday and Sunday respectively.

As part of this effort, attendance information for the Conservatory of Flowers, the Legion of Honor and the De Young Museum was obtained for the same weekends of transportation data counts. When averaged over both of these weekends, patronage decreased at the Conservatory of Flowers (16%) and at the De Young Museum (1%) and increased at the Legion of Honor (9%).

Visitor Awareness and Impact of Road Closure

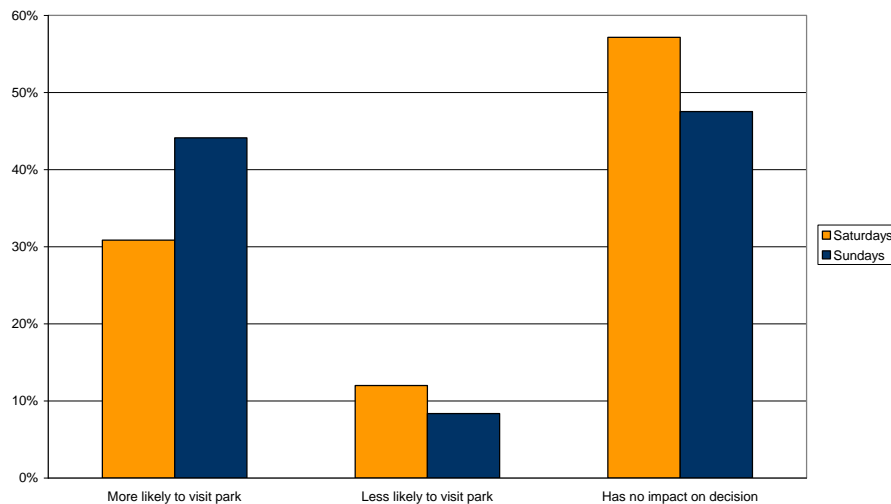
The majority of visitors (70%) were aware that JFK Drive is closed to car traffic on Sundays. 16% more Sunday visitors (78%) were aware of the road closure when compared to Saturday visitors (62%). As shown on the table below, visitors who walked or bicycled to the park on either day demonstrated high levels of awareness regarding the road closure. Drivers who visited the park on Sunday were more likely to be aware of the closure (75%) than drivers who visited on Saturday (59%).

Table 2: Visitors' Awareness of JFK Drive Closure by Travel Mode

Travel Mode	% Aware on Saturday	% Aware on Sunday
Walking	70%	80%
Transit	51	57
Car/Truck	59	75
Bicycle	78	94
Other	56	82
Multi-mode Combination	42	83
<i>All Modes</i>	62	78

About half (52%) of the visitors state that the Sunday road closure has no impact on their decision to visit the park. On average 38% of visitors stated the closure made them more likely to visit, while 10% stated the closure made them less likely to visit. As the chart below shows, 44% of Sunday visitors stated the road closure made them more likely to visit the park. 8% of Sunday visitors stated the closure made them less likely to visit and about half (48%) said the closure had no impact on their decision to visit.

Figure 5: Impact of Sunday Road Closure on Decisions to Visit the Park

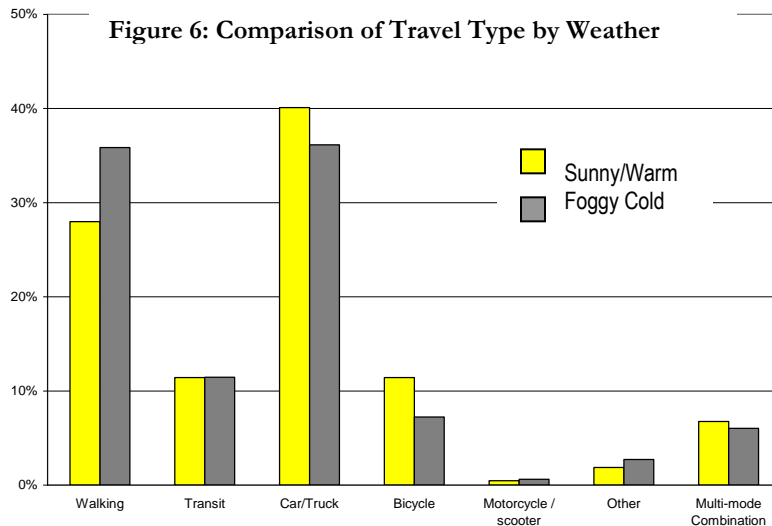


Travel Time and Mode

Accessing the park is a relatively short trip for more than half of survey participants (56%). Nearly one-third (31%) of visitors arrived at the park in less than 10 minutes. An additional 25% of visitors took less than 20 minutes to reach the park. Fewer than 10% of visitors traveled for an hour or more. Though there are differences in travel times between Saturdays and Sundays; generally on Sundays, the percentage of shorter travel times increased while the percentage of longer trips decreased. About a third of visitors (31%) walk to the park, indicating its use as a neighborhood park as well as a regional destination. 11% of visitors take public transit, with little difference between Saturday and Sunday. The car/truck mode share decreases from 43% on Saturdays to 35% on Sundays. In addition, the percentage of people traveling to the park by bicycle on Sunday is 13%, double that of Saturday. Though more people were surveyed on the sunny weekend than on the foggy weekend, it is interesting to note that the comparison of both weekends reveal similar changes. The percentage of people visiting the park by cars, trucks and bicycle decreases (from 51% to 43%) on the foggy weekend, while the proportion of people walking to the park increases (from 28% to 36%).

Parking Observations

According to the survey, of the visitors who drove, the majority parked inside the park at curbside spaces or in the Concourse parking garage. On a weekend average, 32% of visitors parked outside of the park, 16% used the parking garage, and about half (52%) parked within the park.³ The dominant location of visitor parking changes from Saturday to Sunday. Parking outside the park on Sundays increases to 40%, from the 30% average. The more notable difference in parking, however, occurs on the foggy as compared to the sunny weekend. On the foggy weekend, drivers were more likely to park within the park (58%) and less likely to park in the underground garage (10%).



Surveyed visitors stated that they were able to find parking relatively quickly on both Saturday and Sunday, although visitors reported finding parking on Sunday somewhat faster. On average half of drivers find a parking spot within five minutes. On Sundays, this increases to 54% and the percentage of drivers searching for parking for more than 20 minutes drops from 10% to 3%. According to MTA's parking survey during the study period, the Concourse Garage is currently underutilized, with the lowest overall occupancy rate among all possible parking locations. Despite this underutilization the majority of park visitors (61%) are aware of the existence of the Concourse Garage. This awareness increased 5% on Sunday as compared to Saturday.

Despite visitors' statements, however, MTA observed high on-street parking occupancy rates. The average Saturday occupancy for all examined areas was 85%, compared to 91% on Sundays. On-street parking occupancy averaged well above 90% in the areas north, east and south of the Park on both Saturdays and Sundays. Occupancy was highest to the south of the park, where Saturday occupancy was at 98% and Sunday at 99%. On average Geary Boulevard between 5th and 11th Avenues parking occupancy rates on Saturday are approximately 80%, compared to Sundays at 100%. Note, however, that meters are not in effect on Sundays. Of the 1,306 vehicles parked on-street in the eastern portion of Golden Gate Park on Saturdays, 40 vehicles (approximately 3%) displayed disabled placards, compared to 896 total vehicles parked in the same area, with 20 vehicles (approximately 2%) displaying disabled placards on Sundays.

The average occupancy in the Concourse Garage was 40% on Saturdays and 62% on Sundays. The disabled (blue) parking zones within the Concourse Garage had an average occupancy of 10% on Saturdays and 33% on Sundays. See Appendix B for a full listing of parking observations.

Visitor Characteristics

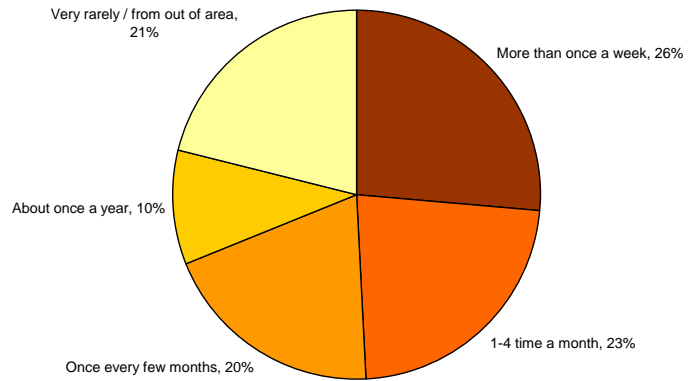
26% of park users visit the park more than once a week. Another 23% visit from one to four times a month, while 10% visit the park about once a year. 20% of surveyed visitors came to the Park rarely or were visiting from outside the area. The frequency of visits remained mostly consistent from Saturday to Sunday, however on Sundays slightly more users visit the park more than once a week (from 24% to 28%) and slightly fewer visited rarely or lived out of the area (from 33% to 29%). The majority of park users – 57% – reside in San

³ Note that the 16% figure represents an over-sampling of drivers who used the concourse garage. A survey-taker was stationed at the concourse garage.

Francisco. Of San Francisco residents, the top zip codes for park users correspond to neighborhoods directly adjacent to the park. Visitors from the Panhandle and Lower Haight alone comprise 21% of all San Francisco visitors. This again highlights the use of Golden Gate Park as a neighborhood resource.

According to survey results, park visitors are slightly more likely to be female (53%) than male (47%). The majority (68%) of visitors identify themselves as white, while 12% of surveyed park visitors were Asian-American. These ratios are similar for both Saturday and Sunday. Over half (56%) of surveyed park visitors are between the ages of 26 and 50. Visitors over age 50 comprised 32% of visitors. While overall there is little difference in visitor age between Saturday and Sunday, the percentage of seniors over age 65 decreases from 9% to 5% on Sunday.

Figure 7: Average Frequency for all Visits



A large number of visitors (34%) visited the park on their own. Pairs accounted for 44% of visitors and 7% visited in large groups of five or more. 7% of groups had members with any limitation on ability to walk. For both Saturday and Sunday a consistent proportion of groups had members with limitation on mobility. Of those with limitations on walking, 7% of visitors surveyed, approximately 20% are unable to walk more than 1 block.

Visitor Opinions on Access Improvements

The final intercept survey question asked for additional opinions on ways to improve access to Golden Gate Park. The top suggested improvement (43%) was a shuttle running through Golden Gate Park. About a third of responses recommended more car-free space (34%) and faster, more convenient transit (33%). 23% of responses suggested better pedestrian access and amenities, while 21% recommended better bicycle access and facilities. 19% of respondents chose to include open-ended suggestions.

Table 3: Visitor Opinions on Access Improvements⁴

Shuttle running within the park	43%
More car-free space	34%
Faster / more convenient transit	33%
Better pedestrian access and amenities	23%
More bike racks and other amenities	21%
Other	19%

SUMMARY OF FINDINGS

Sunday road closure attracts more non-vehicular traffic to Golden Gate Park, its institutions, and nearby shops (approximately 40% more), with average differences in vehicular traffic ranging between a decrease of 7% and increase of 8%. Nearly 45% of visitors walk or bicycle to the park.

⁴ Since survey respondents could choose more than one option, proportions may total more than 100%.

In general Sunday road closure encourages 38% of users to visit the park, with 10% less likely to visit due to closure. The closure does not impact the decision to visit for about half of park users.

The Park attracts a high percentage of local users. 57% of park visitors reside in San Francisco, and 25% alone reside in neighborhoods directly adjacent to the Park.

The top reasons given for coming to the Park are to visit the institutions and to walk around or exercise. Visitors are more likely to visit certain attractions such as the de Young Museum on Sundays as compared to Saturdays. The proportion of visitors coming from outside of San Francisco decreased 13% on the sunny weekend (59% on Saturday compared to 46% on Sunday), with a decrease of 3% on the foggy weekend (41% on Saturday compared to 38% on Sunday).

The type of weather plays a role in how people travel to the park and where they park their cars. During the foggy weekend, visitors were more likely to walk and less likely to drive or ride bicycles than on the sunny weekend. Also during foggy weekend, drivers are more likely to park at curb-side spaces within the park and less likely to use the parking garage.

The most noteworthy locations with high differences between Saturday and Sunday traffic volumes are Fulton and Stanyan and Park Presidio. Differences between traffic volumes on Park Presidio fluctuated across days of data collection, and may be attributable to multiple factors. However, differences at Fulton and Stanyan can be attributed to the closure of JFK Drive. The high volume of turning movements at Fulton and Stanyan significantly reduces throughput at this location, and MTA is already working to improve traffic operations at this location through signal timing and other measures.

Access to parking is both a challenge and an opportunity. High usage of on-street parking spaces can be attributed to a preference for these spaces, or to lack of knowledge of the existence or size of the Concourse Garage. Currently, the Concourse Garage is underutilized, with average occupancy at 40% on Saturdays and 62% on Sundays. While the survey revealed that many visitors are aware of the Concourse Garage, approximately 40% of visitors are still unaware of the parking garage. Utilization of blue spaces (for disabled persons) is even lower in the garage—10% on Saturdays and 33% on Sundays. Though many of these individuals are unable to walk long distances, 47% are able walk more than 4 blocks—well within the distance between the parking garage and most attractions. Underutilization of the parking garage may be attributed to many factors, including lack of knowledge, parking rates, and hours of operation. Increasing utilization of the Garage may require further study.

Golden Gate Park Access Study



We are conducting a survey of Golden Gate Park visitors for the City of San Francisco, in order to identify ways to improve access to the Park. Please answer all questions as completely as possible.

1. **Please tell us how you came to the park today (check all that apply):**
 - Walking
 - Transit (route #) _____
 - Car/truck
 - Bicycle
 - Motorcycle / scooter
 - Other _____
2. **How long did it take you to get to the park?**
 - Less than 10 minutes
 - 11-20 minutes
 - 21 – 34 minutes
 - 35-60 minutes
 - 60+ minutes
3. **a. If you came by car, how long did it take you to find parking?**
 - Under 5 minutes
 - 6 – 10 minutes
 - 11 – 20 minutes
 - Over 20 minutes

I was / we were dropped off

b. Where did you park? Inside the park Outside the park At the parking garage
4. **If you are bicycling in the park, did you:**
 - Bike to the park the whole way
 - Bike and take transit (route# _____)
 - Bring it here in a car
5. **On average, how often do you visit Golden Gate Park?**
 - More than once a week
 - 1- 4 times a month
 - Once every few months
 - About once a year
 - Very rarely / from out of area
6. **What is the purpose of your visit to the park today? (check all that apply)**
 - Passing through on my way somewhere else
 - Exercise / walking around
 - Recreational activity, eg. picnicking
 - Organized event / Sightseeing
 - Attractions / Museum (indicate which one:) → → →
 - Other _____

- Conservatory of Flowers
 - de Young Museum
 - Japanese Tea Garden
 - Botanical Gardens
 - Other _____
7. **How many are in your group today?**
 - 1
 - 2
 - 3-4
 - 5+**7a. How many are children/youth under 18?**
 - None
 - 1
 - 2-3
 - 3+**7b. How many are seniors?**
 - None
 - 1
 - 2-3
 - 3+
8. **Do you or anyone in your group have any limitations on ability to walk?** Yes No
(if yes, how far are you/they able to walk?): Less than 1 block 1 – 3 blocks 4+ blocks
9. **Have you / do you intend to patronize one of the nearby businesses today?** Yes No
10. **Are you aware that there is a large parking garage directly below the park Concourse?** Yes No
11. **Are you aware that JFK Drive is closed to car traffic on Sundays?** Yes No
12. **Does the Sunday road closure on JFK Drive make you:**
 - More likely to visit the park?
 - Less likely to visit the park?
 - Has no impact on the decision to visit
13. **Are you:** Male Female
14. **How old are you?** Under 16 16-25 26 – 50 51 – 64 65+
15. **What best describes your ethnicity?**
 - White
 - Latino / Hispanic
 - Asian American
 - Black / African American
 - Native American
 - Other _____
16. **What is your home zip code?** _____ (OR Check if you are visiting from outside the US)
17. **What would you do to improve access to the park? (Choose up to 3)**
 - Faster / more convenient transit
 - Shuttle running within the park
 - Better pedestrian access and amenities
 - More bike racks and other amenities
 - More car-free space
 - Other _____

THANK YOU!

Locations and Responses of Intercept Surveys

Location	Sat Aug 5	Sun Aug 6	Sunny Total	Sat Aug 19	Sun Aug 20	Foggy Total	Total
8th Avenue between Fulton and JFK	25	37	62	36	51	87	149
JFK Drive east of Stanyan	38	24	62	29	27	56	118
JFK Drive at 10th Ave	20	29	49	19	22	41	90
9th Avenue at MLK Dr & Middle Dr	27	36	63	12	25	37	100
deYoung Museum	26	24	50	18	24	42	92
Entrance to Concourse garage	27	34	61	13	24	37	98
Conservatory of Flowers	52	32	84	26	6	32	116
Totals	215	216	431	153	179	332	763

GOLDEN GATE PARK ACCESS STUDY
Cross Tabulation Summaries

Date/s of survey: Saturday August 5, 2006
Weather: Clear, Sunny and Warm

How did you come to the park today?	Walking	Transit	Car/Truck	Bicycle	Motorcycle / scooter	Other	Multiple	Total
Total Responses in Category	61	24	96	14	2	3	14	214
% Distribution of Responses in Category	29%	11%	45%	7%	1%	1%	7%	
How long did it take you to get to the park?	Less than 10 minutes	11-20 minutes	21-34 minutes	35-60 minutes	60+ minutes			Total
Total Responses in Category	61	50	35	40	25			211
% Distribution of Responses in Category	29%	24%	17%	19%	12%			
If you came by car, how long did it take you to find parking?	Less than 5 minutes	6-10 minutes	11-20 minutes	Over 20 minutes	I / We were dropped off			Total
Total Responses in Category	49	23	14	12	15			113
% Distribution of Responses in Category	43%	20%	12%	11%	13%			
If you came by car, where did you park?	Inside the park	Outside the park	In the parking garage					Total
Total Responses in Category	50	22	14					86
% Distribution of Responses in Category	58%	26%	16%					
If you are bicycling in the park, did you:	Bike to park the whole way	Bike and take transit	Bring it here in a car					Total
Total Responses in Category	15	1	3					19
% Distribution of Responses in Category	79%	5%	16%					
On average, how often do you visit Golden Gate Park	More than once a week	1-4 time a month	Once every few months	About once a year	Rarely / from out of area			Total
Total Responses in Category	35	53	46	23	56			213
% Distribution of Responses in Category	16%	25%	22%	11%	26%			
What is the purpose of your visit to the park today?	Passing through	Exercise/ walking around	Recreational activity	Organized event	Attraction / Museum	Other	Multiple	Total
Total Responses in Category	10	44	17	6	79	10	43	209
% Distribution of Responses in Category	5%	21%	8%	3%	38%	5%	21%	
If purpose of visit is attractions / museum, which ones?	Conservatory of Flowers	de Young Museum	Japanese Tea Garden	Botanical Gardens	Other	More than one		Total
Total Responses in Category	9	25	3	11	3	57		108
% Distribution of Responses in Category	8%	23%	3%	10%	3%	53%		
How many are in your group today?	1	2	3-4	5+				Total
Total Responses in Category	53	94	39	20				206
% Distribution of Responses in Category	26%	46%	19%	10%				
Does any member of group have any limitations on ability to walk.	Yes	No						Total
Total Responses in Category	16	187						203
% Distribution of Responses in Category	8%	92%						

GOLDEN GATE PARK ACCESS STUDY

Cross Tabulation Summaries

Date/s of survey: Saturday August 5, 2006
Weather: Clear, Sunny and Warm

Have you / do you intend to patronize one of the nearby businesses today?	Yes	No						Total
Total Responses in Category	122	86						208
% Distribution of Responses in Category	59%	41%						
Are you aware of large parking garage below park Concourse?	Yes	No						Total
Total Responses in Category	118	91						209
% Distribution of Responses in Category	56%	44%						
Are you aware that JFK Drive is closed to car traffic on Sundays?	Yes	No						Total
Total Responses in Category	121	89						210
% Distribution of Responses in Category	58%	42%						
Does Sunday road closure on JFk Drive make you:	More likely to visit park	Less likely to visit park	Has no impact on decision					Total
Total Responses in Category	51	27	123					201
% Distribution of Responses in Category	25%	13%	61%					
Gender distribution of respondents	Male	Female						Total
Total Responses in Category	77	121						198
% Distribution of Responses in Category	39%	61%						
Age distribution of respondents	Under 16	16-25	26-50	51-64	65+			Total
Total Responses in Category	4	30	108	52	15			209
% Distribution of Responses in Category	2%	14%	52%	25%	7%			
Ethnic distribution of respondents	White	Latino / Hispanic	Asian American	Black / African American	Native American	Other		Total
Total Responses in Category	139	15	25	10	10	6		205
% Distribution of Responses in Category	68%	7%	12%	5%	5%	3%		

Golden Gate Park Transportation Access
Weekend Conditions

Appendix A
Summer 2006

GOLDEN GATE PARK ACCESS STUDY
Cross Tabulation Summaries

Date/s of survey: Sunday August 6, 2006
Weather: Sunny and Warm

How did you come to the park today?	Walking	Transit	Car/Truck	Bicycle	Motorcycle / scooter	Other	More than one	Total
Total Responses in Category	59	25	76	35	0	5	15	215
% Distribution of Responses in Category	27%	12%	35%	16%	0%	2%	7%	
How long did it take you to get to the park?	Less than 10 minutes	11-20 minutes	21-34 minutes	35-60 minutes	60+ minutes			Total
Total Responses in Category	69	59	37	25	20			210
% Distribution of Responses in Category	33%	28%	18%	12%	10%			
If you came by car, how long did it take you to find parking?	Less than 5 minutes	6-10 minutes	11-20 minutes	Over 20 minutes	I / We were dropped off			Total
Total Responses in Category	51	28	10	4	5			98
% Distribution of Responses in Category	52%	29%	10%	4%	5%			
If you came by car, where did you park?	Inside the park	Outside the park	In the parking garage					Total
Total Responses in Category	24	26	18					68
% Distribution of Responses in Category	35%	38%	26%					
If you are bicycling in the park, did you:	Bike to park the whole way	Bike and take transit	Bring it here in a car					Total
Total Responses in Category	48	3	7					58
% Distribution of Responses in Category	83%	5%	12%					
On average, how often do you visit Golden Gate Park	More than once a week	1-4 time a month	Once every few months	About once a year	Rarely / from out of area			Total
Total Responses in Category	56	49	43	19	44			211
% Distribution of Responses in Category	27%	23%	20%	9%	21%			
What is the purpose of your visit to the park today?	Passing through	Exercise / walking around	Recreational activity	Organized event	Attraction / Museum	Other	Multiple	Total
Total Responses in Category	12	56	26	9	45	13	44	205
% Distribution of Responses in Category	6%	27%	13%	4%	22%	6%	21%	
If purpose of visit is attractions / museum, which ones?	Conservatory of Flowers	de Young Museum	Japanese Tea Garden	Botanical Gardens	Other	More than one		Total
Total Responses in Category	5	30	3	5	1	31		75
% Distribution of Responses in Category	7%	40%	4%	7%	1%	41%		
How many are in your group today?	1	2	3-4	5+				Total
Total Responses in Category	71	83	36	23				213
% Distribution of Responses in Category	33%	39%	17%	11%				
Does any member of group have any limitations on ability to walk.	Yes	No						Total
Total Responses in Category	11	199						210
% Distribution of Responses in Category	5%	95%						

GOLDEN GATE PARK ACCESS STUDY
Cross Tabulation Summaries

Date/s of survey: Sunday August 6, 2006
Weather: Sunny and Warm

Have you / do you intend to patronize one of the nearby businesses today?	Yes	No						Total
Total Responses in Category	107	104						211
% Distribution of Responses in Category	51%	49%						
Are you aware of large parking garage below park Concourse?	Yes	No						Total
Total Responses in Category	126	83						209
% Distribution of Responses in Category	60%	40%						
Are you aware that JFK Drive is closed to car traffic on Sundays?	Yes	No						Total
Total Responses in Category	156	56						212
% Distribution of Responses in Category	74%	26%						
Does Sunday road closure on JFK Drive make you:	More likely to visit park	Less likely to visit park	Has no impact on decision					Total
Total Responses in Category	86	13	109					208
% Distribution of Responses in Category	41%	6%	52%					
Gender distribution of respondents	Male	Female						Total
Total Responses in Category	110	96						206
% Distribution of Responses in Category	53%	47%						
Age distribution of respondents	Under 16	16-25	26-50	51-64	65+			Total
Total Responses in Category	1	21	130	55	6			213
% Distribution of Responses in Category	0%	10%	61%	26%	3%			
Ethnic distribution of respondents	White	Latino / Hispanic	Asian American	Black / African American	Native American	Other		Total
Total Responses in Category	145	14	20	9	7	16		211
% Distribution of Responses in Category	69%	7%	9%	4%	3%	8%		

Golden Gate Park Transportation Access
Weekend Conditions

Appendix A
Summer 2006

GOLDEN GATE PARK ACCESS STUDY
Cross Tabulation Summaries

Date/s of survey: Saturday August 19, 2006
Weather: Overcast and Cool

How did you come to the park today?	Walking	Transit	Car/Truck	Bicycle	Motorcycle / scooter	Other	Multiple	Total
Total Responses in Category	58	16	60	9	1	3	6	153
% Distribution of Responses in Category	38%	10%	39%	6%	1%	2%	4%	
How long did it take you to get to the park?	Less than 10 minutes	11-20 minutes	21-34 minutes	35-60 minutes	60+ minutes			Total
Total Responses in Category	45	26	41	19	16			147
% Distribution of Responses in Category	31%	18%	28%	13%	11%			
If you came by car, how long did it take you to find parking?	Less than 5 minutes	6-10 minutes	11-20 minutes	Over 20 minutes	I / We were dropped off			Total
Total Responses in Category	41	21	9	8	4			83
% Distribution of Responses in Category	49%	25%	11%	10%	5%			
If you came by car, where did you park?	Inside the park	Outside the park	In the parking garage					Total
Total Responses in Category	35	12	5					52
% Distribution of Responses in Category	67%	23%	10%					
If you are bicycling in the park, did you:	Bike to park the whole way	Bike and take transit	Bring it here in a car					Total
Total Responses in Category	16	3	2					21
% Distribution of Responses in Category	76%	14%	10%					
On average, how often do you visit Golden Gate Park	More than once a week	1-4 time a month	Once every few months	About once a year	Rarely / from out of area			Total
Total Responses in Category	54	28	27	14	29			152
% Distribution of Responses in Category	36%	18%	18%	9%	19%			
What is the purpose of your visit to the park today?	Passing through	Exercise / walking around	Recreational activity	Organized event	Attraction / Museum	Other	More than one	Total
Total Responses in Category	5	54	6	5	51	5	25	151
% Distribution of Responses in Category	3%	36%	4%	3%	34%	3%	17%	
If purpose of visit is attractions / museum, which ones?	Conservatory of Flowers	de Young Museum	Japanese Tea Garden	Botanical Gardens	Other	More than one		Total
Total Responses in Category	8	14	2	13	0	24		61
% Distribution of Responses in Category	13%	23%	3%	21%	0%	39%		
How many are in your group today?	1	2	3-4	5+				Total
Total Responses in Category	61	69	21	2				153
% Distribution of Responses in Category	40%	45%	14%	1%				
Does any member of group have any limitations on ability to walk.	Yes	No						Total
Total Responses in Category	9	144						153
% Distribution of Responses in Category	6%	94%						

GOLDEN GATE PARK ACCESS STUDY
Cross Tabulation Summaries

Date/s of survey: Saturday August 19, 2006
Weather: Overcast and Cool

Have you / do you intend to patronize one of the nearby businesses today?	Yes	No						Total
Total Responses in Category	69	82						151
% Distribution of Responses in Category	46%	54%						
Are you aware of large parking garage below park Concourse?	Yes	No						Total
Total Responses in Category	92	61						153
% Distribution of Responses in Category	60%	40%						
Are you aware that JFK Drive is closed to car traffic on Sundays?	Yes	No						Total
Total Responses in Category	103	49						152
% Distribution of Responses in Category	68%	32%						
Does Sunday road closure on JFk Drive make you:	More likely to visit park	Less likely to visit park	Has no impact on decision					Total
Total Responses in Category	57	15	77					149
% Distribution of Responses in Category	38%	10%	52%					
Gender distribution of respondents	Male	Female						Total
Total Responses in Category	72	74						146
% Distribution of Responses in Category	49%	51%						
Age distribution of respondents	Under 16	16-25	26-50	51-64	65+			Total
Total Responses in Category	1	13	86	36	17			153
% Distribution of Responses in Category	1%	8%	56%	24%	11%			
Ethnic distribution of respondents	White	Latino / Hispanic	Asian American	Black / African American	Native American	Other		Total
Total Responses in Category	98	16	22	7	3	6		152
% Distribution of Responses in Category	64%	11%	14%	5%	2%	4%		

Golden Gate Park Transportation Access
Weekend Conditions

Appendix A
Summer 2006

GOLDEN GATE PARK ACCESS STUDY
Cross Tabulation Summaries

Date/s of survey: Sunday August 20, 2006
Weather: Overcast and Cool

How did you come to the park today?	Walking	Transit	Car/Truck	Bicycle	Motorcycle / scooter	Other	Multiple	Total
Total Responses in Category	61	22	60	15	1	6	14	179
% Distribution of Responses in Category	34%	12%	34%	8%	1%	3%	8%	
How long did it take you to get to the park?	Less than 10 minutes	11-20 minutes	21-34 minutes	35-60 minutes	60+ minutes			Total
Total Responses in Category	52	49	38	23	7			169
% Distribution of Responses in Category	31%	29%	22%	14%	4%			
If you came by car, how long did it take you to find parking?	Less than 5 minutes	6-10 minutes	11-20 minutes	Over 20 minutes	I / We were dropped off			Total
Total Responses in Category	43	14	12	2	5			76
% Distribution of Responses in Category	57%	18%	16%	3%	7%			
If you came by car, where did you park?	Inside the park	Outside the park	In the parking garage					Total
Total Responses in Category	26	22	5					53
% Distribution of Responses in Category	49%	42%	9%					
If you are bicycling in the park, did you:	Bike to park the whole way	Bike and take transit	Bring it here in a car					Total
Total Responses in Category	23	1	2					26
% Distribution of Responses in Category	88%	4%	8%					
On average, how often do you visit Golden Gate Park	More than once a week	1-4 time a month	Once every few months	About once a year	Rarely / from out of area			Total
Total Responses in Category	55	41	34	19	30			179
% Distribution of Responses in Category	31%	23%	19%	11%	17%			
What is the purpose of your visit to the park today?	Passing through	Exercise / walking around	Recreational activity	Organized event	Attraction / Museum	Other	More than one	Total
Total Responses in Category	12	52	11	6	46	13	39	179
% Distribution of Responses in Category	7%	29%	6%	3%	26%	7%	22%	
If purpose of visit is attractions / museum, which ones?	Conservatory of Flowers	de Young Museum	Japanese Tea Garden	Botanical Gardens	Other	More than one		Total
Total Responses in Category	6	23	2	9	3	24		67
% Distribution of Responses in Category	9%	34%	3%	13%	4%	36%		
How many are in your group today?	1	2	3-4	5+				Total
Total Responses in Category	69	82	18	10				179
% Distribution of Responses in Category	39%	46%	10%	6%				
Does any member of group have any limitations on ability to walk.	Yes	No						Total
Total Responses in Category	14	159						173
% Distribution of Responses in Category	8%	92%						

GOLDEN GATE PARK ACCESS STUDY

Cross Tabulation Summaries

Date/s of survey: Sunday August 20, 2006
Weather: Overcast and Cool

Have you / do you intend to patronize one of the nearby businesses today?	Yes	No						Total
Total Responses in Category	82	95						177
% Distribution of Responses in Category	46%	54%						
Are you aware of large parking garage below park Concourse?	Yes	No						Total
Total Responses in Category	119	58						177
% Distribution of Responses in Category	67%	33%						
Are you aware that JFK Drive is closed to car traffic on Sundays?	Yes	No						Total
Total Responses in Category	147	32						179
% Distribution of Responses in Category	82%	18%						
Does Sunday road closure on JFk Drive make you:	More likely to visit park	Less likely to visit park	Has no impact on decision					Total
Total Responses in Category	83	19	73					175
% Distribution of Responses in Category	47%	11%	42%					
Gender distribution of respondents	Male	Female						Total
Total Responses in Category	77	85						162
% Distribution of Responses in Category	48%	52%						
Age distribution of respondents	Under 16	16-25	26-50	51-64	65+			Total
Total Responses in Category	0	21	94	46	12			173
% Distribution of Responses in Category	0%	12%	54%	27%	7%			
Ethnic distribution of respondents	White	Latino / Hispanic	Asian American	Black / African American	Native American	Other		Total
Total Responses in Category	123	17	23	9	2	2		176
% Distribution of Responses in Category	70%	10%	13%	5%	1%	1%		

Summer 2006 Golden Gate Park and Vicinity Parking Occupancies on
Weekends

Compiled by the MTA

By Area	Average of Saturday Data			Average of Sunday Data		
	Supply	Occupied	Occupancy	Supply	Occupied	Occupancy
North of GGP - General	2061	1901	92%	2061	1984	96%
East of GGP - General	1561	1488	95%	1561	1488	95%
South of GGP - General	2874	2807	98%	2874	2839	99%
In GGP - General	1843	1282	70%	1183	886	75%
In GGP - Blue	27	24	89%	14	10	71%
Concourse Garage - General	770	309	40%	770	476	62%
Concourse Garage - Blue	30	3	10%	30	10	33%
Totals for All Areas and Types						
All Study Areas	9166	7813	85%	8493	7692	91%
Surface Parking vs. Garage Parking						
General around GGP and in GGP	8339	7477	90%	7679	7196	94%
General in Concourse Garage	770	309	40%	770	476	62%
General vs. Blue						
General Parking Only	9109	7786	85%	8449	7672	91%
Blue Parking Only	57	27	47%	44	20	45%
Inside GGP vs. Nearby Park (majority free)						
General Inside GGP	1843	1282	70%	1183	886	75%
Around GGP (some meters)	6496	6195	95%	6496	6310	97%
Inside Park (pay garage)						
Concourse Garage - General	770	309	40%	770	476	62%

Notes:

- General is defined as parking not restricted by yellow zone, white zone, blue zone, etc.
- Blue is defined as blue curb for supply and blue curb or disabled placard/plate for occupancy.
- Data taken over several weekends in August 2006
- All data taken by MTA staff except around GGP supply (from 1996 study) and Concourse Garage data (from Concourse Garage management)
- Open spaces in GGP were not evenly distributed. Popular, visible areas were very full, but other areas, such as around Stow Lake and the western part of JFK near Crossover, were not well utilized.
- Some areas around Stow Lake seem not to have been used for parking since it was unclear if parking was allowed or prohibited.
- Limits of North of GGP are Park Presidio, Balboa, Stanyan, and Fulton
- Limits of South of GGP are 19th Avenue, Lincoln, Frederick, Stanyan, and Judah
- Limits of East of GGP are Stanyan, Turk, Cole, and Parnassus
- All study segments of GGP are East of Crossover
- Supply in GGP decreases on Sunday due to roadway closures
- Existing signage does not indicate whether parking is legal on both sides of portions of Stow Lake Drive

44-O'SHAUGHNESSY
Travel Time and Passenger Loads Through Golden Gate Park
Saturday, August 5 and Sunday, August 6

Southbound Travel Time (8th/Fulton to 9th/Lincoln)

<u>DAY</u>	<u>TRAVEL TIME</u>
Saturday, August 5	5.8 minutes
Sunday, August 6	5.4 minutes
Change	- 7 percent

Northbound Travel Time (9th/Lincoln to 8th/Fulton)

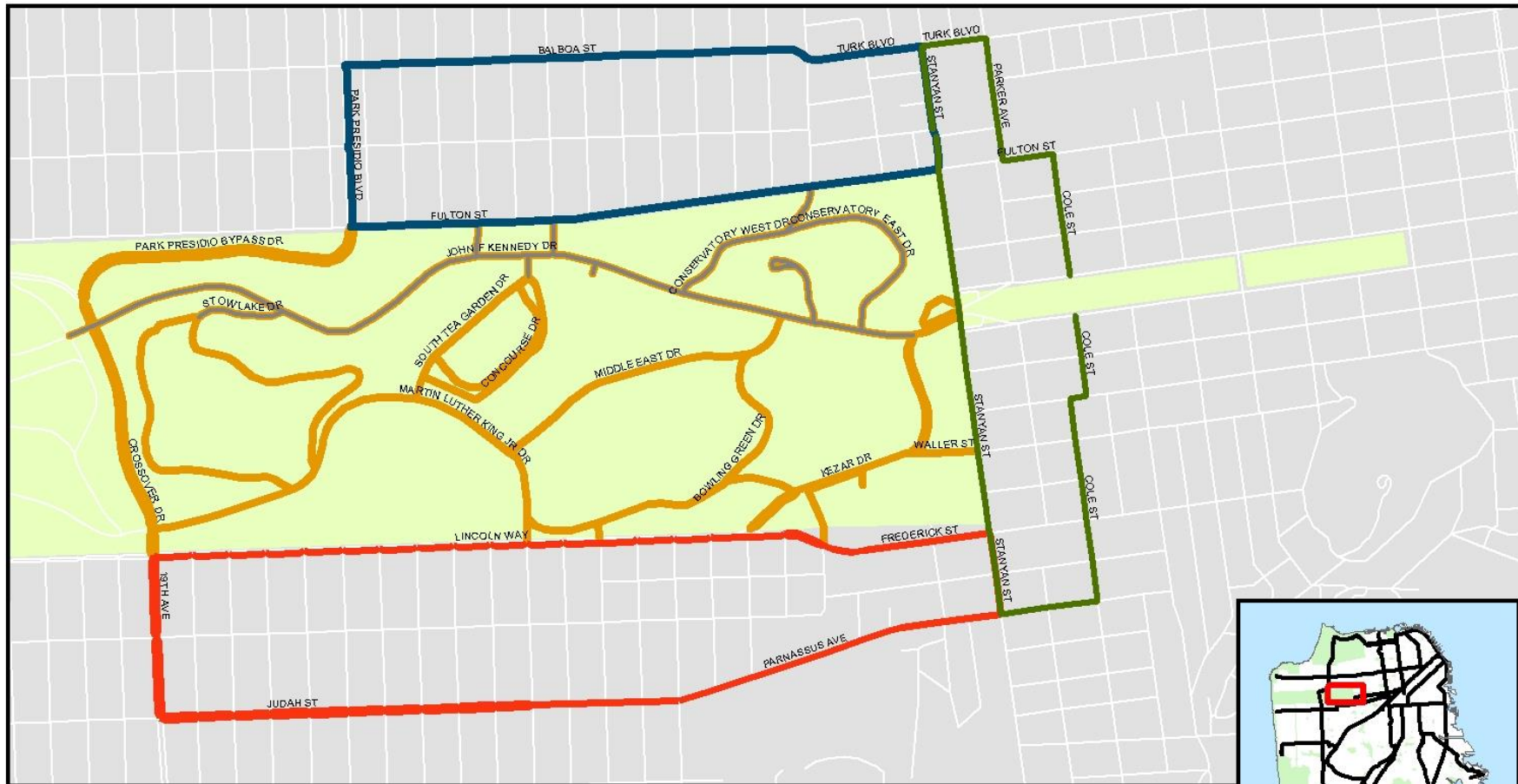
<u>DAY</u>	<u>TRAVEL TIME</u>
Saturday, August 5	4.5 minutes
Sunday, August 6	4.7 minutes
Change	+ 4 percent

Average Southbound Passenger Load

<u>DAY</u>	<u>8TH/FULTON</u>	<u>9TH LINCOLN</u>
Saturday, August 5	25.8 riders	19.4 riders
Sunday, August 6	19.3 riders	23.5 riders
Change	- 25 percent	+ 21 percent

Average Northbound Passenger Load

<u>DAY</u>	<u>9TH LINCOLN</u>	<u>8TH/FULTON</u>
Saturday, August 5	22.9 riders	24.9 riders
Sunday, August 6	24.7 riders	15.4 riders
Change	+ 8 percent	- 38 percent



Study Area
Golden Gate Park
Parking Study Areas

- East of Park boundary
- North of Park boundary
- South of Park boundary
- Sunday road closure
- Inside Park boundary



0 270 540 1,080 Feet



This map is intended for planning purposes only.

Map Produced: 1/20/2007 MB

