



2004 Holiday Traffic Plan

Central Park Drive Improvements

*Analysis
and Findings*



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Summary of Program

Each year, during the winter holiday season, there is an influx of motorists and pedestrians in and around the City. As a result, a Holiday Traffic Plan is developed to facilitate the efficient and safe movement of motorists and pedestrians.

Traditionally, the Holiday Traffic Plan is in effect from the week before Thanksgiving to the Sunday after New Year's Day. The plan is primarily focused on easing traffic and improving mobility within the Midtown core (34th Street to 59th Streets between Third and Eighth Avenues), as well as lower Manhattan. There are four primary components of the plan:

- Mass Transit
- Traffic Management Initiatives
- Increased Enforcement Initiatives
- Public Outreach

One of the more traditional components of the annual program is the designation of "Gridlock Alert Days" when the Department of Transportation (DOT) anticipates high volumes of traffic and encourages individuals to utilize the many mass transit options that exist.

It is also during this Holiday Season that the Department introduces new and innovative approaches to address congestion and improve traffic flow. Previous examples of successful projects introduced as part of the Holiday Traffic Plan include the Midtown ***THRU*** Streets program in 2002, the Commercial Vehicle Parking Program, as well as several other innovative programs that continue to be successful.

For the 2004 Holiday Traffic Plan, the DOT, in conjunction with the New York City Department of Parks and Recreation, implemented an ambitious program to improve the overall usability of the Central Park Drives. This program consisted of the following elements:

- Implementation of a HOV 2+ Lane on the West Drive between 7am and 10am
- Closure of several entrances and exits to the Park Drives
- Changes to the Park Drive operating hours



- Lowering of the speed limit on the Park Drives from 30 mph to 25 mph

Summary of Findings

As part of the Holiday Plan, the Department closely monitored the impacts of this initiative to determine the impacts. Our assessment compared the pre-existing or “before” conditions with data collected during the implementation of the program between November 29, 2004 and January 2, 2005. Following are the highlights of our findings:

Central Park HOV 2+ and Closure of Select Park Drive Entrances and Exits

- The project met or exceeded expectations for improving mobility, promoting alternative modes of transportation and improving safety without adversely affecting traffic conditions.
- There were no significant impacts associated with either the HOV 2+ restriction on the West Drive or from the closure of the selected entrances and exits.
- Travel times improved significantly on the West Drive, particularly during the HOV 2+ restriction in the AM peak period.
- The number of single occupant vehicles on the West Drive decreased dramatically during the course of the program, improving significantly to an 88% reduction during Week 3 at West 95th/96th Street.
- Due to the reduced speed limit on the Park Drives, both average speeds and 85th percentile speeds were significantly reduced.
- Although volumes did not increase on Central Park West, travel times deteriorated by 25% in the AM peak and by 15% in the PM peak due to the diverted traffic from the HOV 2+ restriction and Park Drive entrance closures.
- Most of the other roadways surrounding the park were minimally affected by the Central Park Program with travel times and volumes either decreasing slightly or remaining relatively unchanged.

History and Background of the Central Park Drives



A View of the Central Park Drives,
Harpers Weekly, September 15, 1860

For over 150 years, Central Park has been considered to be “New York City’s Backyard”, an oasis for recreation, culture and tranquility. Over this course of history, Central Park has also seen numerous cycles of renewal and decline, as the advent of the automobile, city politics and changes to the urban landscape have molded the Park into its modern form. In recent times, the Park has undergone

a significant renaissance. With this renaissance, there have been increased efforts to reconcile the enormous variety of competing uses in Central Park (e.g., private vehicles, taxis, bicyclists, runners, pedestrians, horse drawn carriages and roller bladers) and attain a better balance between recreational and motorized traffic.

While the Park’s original design included transverse thoroughfares along four corridors (65th, 79th, 86th and 97th Street) to accommodate crosstown traffic, the Park is also characterized by the East and West Drives, a loop road that traverses around the fringes of the park. In its original form, these roadways were designed to accommodate horse drawn carriages. However, at the

end of the 19th Century and with the rise of the automobile, the Park Drives were increasingly used by both recreational and regular vehicular traffic. However, unlike the transverse roads, which are grade separated so as to not interfere with other Park uses and activities, the Park Drives are at grade and have evolved into shared use roadways that accommodate both motorists and recreational users.



Sheep Meadow c. 1981

Over the past 30 years, there have been



numerous initiatives aimed at reducing the number of motor vehicles using the Park Drives. Most of these efforts have focused on limiting motor vehicle access during specified time periods or during certain months of the year. While there had been previous efforts to reconcile the uses, it was in the early 1980's that the operational characteristics of the Park Drives began to change. In 1980, based upon the success of the Prospect Park recreational lane (established in 1978), one traffic lane of the Park Drives was dedicated as a recreational lane for bikers and joggers on the Park Drives north of the 72nd Street Transpark Road. Recreational users south of 72nd Street were directed to a paved path that ran aside from the Park Drives. In 1990, the recreational lane was extended to the southern section of the park for bicyclists, while pedestrians, joggers and other recreational users continued to use the paved path.

Additional improvements made to the operation of the Park Drives in subsequent years included an extension of the summer closure season, shortening the weekday and evening closure hours, extending holiday and weekend closings to 7 PM the night before until 6 AM the morning after. However, since 1981, motor vehicles have been permitted to use the East Drive from 6th Avenue/Avenue of the Americas to East 72nd Street at all times, as this corridor provides a critical link for northbound vehicles leaving the Central Business District (CBD) of Manhattan.

Innovative Strategies For Improving the Function of the Park Drives

One of the most ambitious approaches for improving the operation of the Park Drives and providing additional space for non-vehicular uses was the Department's 1990 Central Park Drives Alternate Use study which examined different operational scenarios that would provide for decreased vehicular use in Central Park. As part of the study, seven different scenarios were developed and studied for the roadway impacts on the surrounding roadway network and the Park's transverse roads. The seven alternative scenarios included:

- No action – existing conditions
- Close all Park Drive Roadways
- Close “off peak” direction during peak hours
- Implement year-round midday closing 10am-3pm
- Close roadways north of 72nd Street
- Allow motor vehicles in only one lane
- Close selected entrances, exits, and/or roadway segments

In 1991, as part of the Earth Week initiatives, the Department implemented a HOV program on the Park Drives, which was successful in decreasing vehicular volumes while increasing vehicle occupancy for vehicles on the Drives.

In 1994, based upon the findings of the Central Park Alternative Use Study – Scenario 7, the Department implemented permanent closures on several exits and entrances to the Park drives. These closures included the Frederick Douglass Circle Entrance, the West 106th Street Exit and the Grand Army Plaza entrance at Fifth Avenue. The study also resulted in the experimental closure of the Columbus Circle entrance to the park in August 1994. Subsequently, the closure was made permanent in 1995 in conjunction with the Parks Department reconstruction of the southwest corner of the park.



A New Approach to Using the Central Park Drives

Over the past several years, the Department has received numerous requests from area residents and community groups advocating for increasing roadway closure hours, closing additional entrances and/or exits or banning motor vehicle traffic from the park drives, while other advocates have voiced interest in increasing the availability of the park drives to reduce congestion and improve traffic flow on the surrounding street network.

Recently, the Central Park Conservancy expressed interest in pursuing additional closures on select Park Drive entrances and exits. A consultant study on behalf of the Conservancy was undertaken in 2004 to assess the feasibility of implementing these closures. Based upon the consultant findings, the Conservancy approached the Department to consider the following closures on the Park Drives:

- Lenox Avenue Exit
- East 102nd Street Entrance
- East 90th Street Entrance
- West 90th Street Entrance
- West 85th Street Entrance
- West 77th Street Entrance
- West 72nd Street Slip-off ramp at Strawberry Fields from Park Drive South

In July 2004, based upon the consultant report and data collected as part of their study, the Department collected additional vehicular volume at several Park Drive entrances and exits during both the AM and PM peak periods to determine the feasibility of implementing additional closures.

Based upon the findings of the Department's data collection efforts at several of the exits and entrances, the Department determined the following closures would be feasible due to low volumes and little to no anticipated effects resulting from these closures. They included:

- West 90th Street Entrance and Exit
- West 77th Street Entrance

- East 102nd Street Entrance and Exit
- East 90th Street Entrance
- West 72nd Street Slip-off ramp at Strawberry Fields from Park Drive South

Although the Central Park Conservancy's study did not propose the closure of the exits at West 90th and East 102nd Street, it was the Department's belief that these additional closures would reduce potential pedestrian/vehicle conflicts in the Park without creating any significant impacts on the surrounding roadways due to the low number of vehicles that were currently using these exits on a daily basis.

Given these findings, the Department also revisited the HOV 2+ concept for the West Drive during the AM peak travel period. Based upon the successful outcome of the 1991 Earth Week project when the Department implemented an HOV 2+ program on the Park Drives, DOT believed that the implementation of a similar program at this time would further decrease volumes and encourage the use of more efficient vehicles such as carpools and taxis on the West Drive during the AM peak period. In essence, the program would maximize the people carrying, as opposed to the vehicle carrying capacity of the West Drive.

The specific elements of this HOV 2+ program would limit access to vehicles with two or more passengers on the West Drive during the AM peak travel period (7am to 10am), and would apply to all vehicles accessing the West Drive.

Another element of the program that was introduced as part of the Holiday Traffic Plan was the reduction of the speed limit on the Park Drives to 25 mph from 30 mph. This change was implemented at the request of the Parks Department and Central Park Conservancy, and would complement the anticipated benefits that would result from the overall Central Park program.

The final component of the Central Park program was a reduction in the hours that the Park Drives would be open to vehicular traffic. As part of the Holiday Traffic Plan, the Department typically relaxes the operating restrictions on the Park Drives to accommodate the influx of vehicles into and out of the Midtown



core during the holiday season. Based upon the need to accommodate the flow of holiday traffic, the new operating hours took effect at the conclusion of the holiday season on January 3rd, 2005. Prior to these changes, both the East and West Drives remained open overnight on weekdays. Under the new program, given the low number of vehicles that are using the Drives during the overnight hours, the Department will close the Drives to all traffic between the hours of 7pm and 7am. As a result of these changes, early morning recreational users now have the exclusive use of the Drives.

Implementation and Monitoring of the Central Park West Drive HOV 2+ and Closures of Central Park Drive Entrances and Exits

Program Elements

The Department developed a work program incorporating the planning, design, operation and implementation of the Central Park closures and HOV 2+ program. In addition, the Department convened a working group comprised of the New York City Department of Transportation, Department of Parks and Recreation and the Central Park Conservancy to facilitate the development and implementation of the project as part of the 2004 Holiday Traffic Plan.

Data Collection

The Department undertook a comprehensive data collection effort on the Park Drives, entrances and exits to the Drives and on the surrounding roadway network. This effort included the collection of vehicle volumes, vehicle occupancy and classification counts, as well as travel times and speeds along primary corridors. While some data was collected to assess the feasibility of the closures in the summer of 2004, the Department conducted a program that collected “before” or pre-implementation data, as well as at various intervals during the Holiday Plan to assess the performance, impacts and effectiveness of the project. Details of the full monitoring plan including ATR locations can be found in Appendix I.

Driver Information Program

A comprehensive implementation program was developed to advise motorists of all the components of both the Holiday Plan and the Central Park program. The various elements included the distribution of information to the mass media, the development and posting of distinct signage, the use of ITS components and portable VMS boards to alert motorists of the changes and the distribution of informational flyers.

In terms of the mass media, all major news outlets including the local television and radio stations, as well as numerous local newspapers advised motorists

of the changes to the operation of the Park Drives in the week prior to the implementation of the Central Park Drive program. In addition, the Department placed portable Variable Message Signs (VMS) signs at numerous entrance locations to the Park Drives advising motorists of the changes in operation to the drives. This information continued to be posted during the first week of the program to reinforce the changes in the regulations and operation of the Park Drives.

Another critical component was the design and manufacturing of signage to inform motorists of the changes to the operation of the Park Drive, most notably the HOV 2+ restriction, as well as the entrance and exit closures. These signs were placed on streets approaching the Drive entrances, at entrances to the Park Drives and along the East and West Drives. Both the HOV 2+ and closure signage is easily identifiable and distinctive to effectively inform and direct motorists.

Physical Treatments and Markings

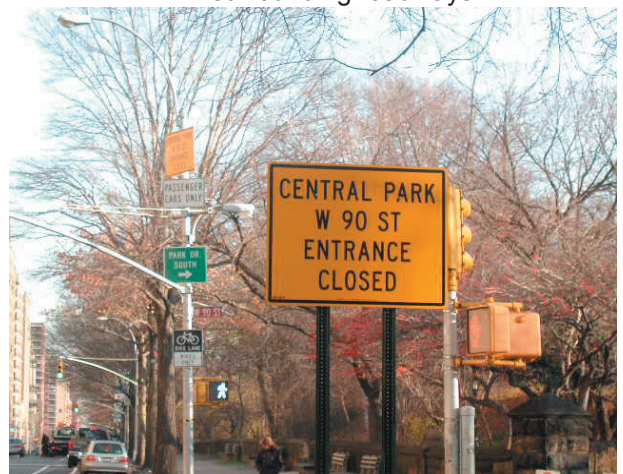
The final element in implementing the Central Park program was the development of temporary closure treatments at the entrances and exits that were to be closed. Currently, the Parks Department utilizes a variety of temporary closure treatments, including french barricades, flexible bollards, wooden barriers, and striping. Some of the semi-permanent closure treatments include swinging gates and/or arms. At some of the permanent closures



Portable VMS sign at West Drive entrance



Distinct and easily identifiable signage advising motorists of the HOV 2+ restriction were placed on surrounding roadways



High visibility signage notifying motorists of the new closures were posted on Central Park west, Fifth Avenue- and on the Park Drives



West 72nd Street Slip-Off Ramp Closure



East 90th Street Entrance Closure



West 90th Street Exit Closure

that have been implemented in the past, the roadways and entrances have undergone extensive capital improvements and were incorporated into the Central Park landscape.

The temporary treatments that were implemented as part of the Central Park program needed to ensure access for Parks Department and emergency vehicles to the Park Drives. Based upon this criteria, the Parks Department and Department of Transportation developed individual treatments at each of the closure locations that were easily identifiable and effective at limiting access to the Drives, while being contextually appropriate.

At most of the closure locations, the Department erected white, reflective flexible bollards and easily movable wooden barricades to prohibit vehicles from entering and exiting the roadway. Examples of the treatments are depicted to the left. In addition to the physical barriers, the Department improved the roadway markings at the entrances and exits to reinforce the closures and or diversions.

Enforcement

The enforcement component of the program was a joint effort between the Department of Transportation and the Parks Department. This program, especially at its outset, required a strong enforcement presence. The



joint NYCDOT - Parks effort posted personnel at all entrances and approaches to the Park Drives during the AM peak period to interdict single occupant vehicles from the West Drive, as well as ensure compliance with the new restrictions. In addition, nearly 8,000 flyers were distributed during the first week of the program advising motorists of the changes to the operation of the Park Drives. This enforcement was in place for the first week of the program and was removed based upon increasing levels of compliance for the HOV 2+ regulations.

Central Park Drive Program Impact Assessment

Park Entrance Volume Comparison

Park Entrance	Time Period	1991 Counts	2004 Counts	Percent Difference
Lenox Avenue at 110th Street	7.00 - 8.00	508	232	-54.30%
	8.00 - 9.00	712	287	-59.70%
	Combined Avg	610	260	-57.50%
East 90th Street at 5th Avenue	7.00 - 8.00	16	14	-12.50%
	8.00 - 9.00	44	13	-71.60%
	Combined Avg	30	13	-55.80%
East 102nd Street at 5th Avenue	7.00 - 8.00	15	9	-37.90%
	8.00 - 9.00	58	21	-64.00%
	Combined Avg	36	15	-58.80%
West 72nd Street at Central Park West	7.00 - 8.00	299	295	-1.50%
	8.00 - 9.00	410	350	-14.60%
	Combined Avg	355	322	-9.10%
West 77th Street at Central Park West	7.00 - 8.00	136	166	21.70%
	8.00 - 9.00	195	188	-3.80%
	Combined Avg	166	177	6.60%
West 85th Street at Central Park West	7.00 - 8.00	111	98	-11.70%
	8.00 - 9.00	188	115	-39.10%
	Combined Avg	150	106	-28.90%
West 90th Street at Central Park West	7.00 - 8.00	81	102	25.90%
	8.00 - 9.00	149	149	0.00%
	Combined Avg	115	126	9.10%
West 100th Street at Central Park West	7.00 - 8.00	118	162	37.30%
	8.00 - 9.00	166	254	53.00%
	Combined Avg	142	208	46.50%
Total	7.00 - 8.00	1284	1078	-16.00%
	8.00 - 9.00	1922	1377	-28.40%
	Combined Avg	1603	1227	-23.50%

In order to assess the effectiveness and impacts of the Central Park Drive exit and entrance closures and the HOV 2+ restriction, it is necessary to understand vehicle trends for the Park Drives and surrounding roadways over the past 15 years.

In the analysis conducted during the evaluation to assess the feasibility of the entrance and exit closures, the Department determined that there was a substantial decline in the number of vehicles using the Park Drives during all times of

the day, especially the AM peak period. As the table to the above indicates, there has been a substantial decline at many of the Drive entrances. As a whole, entrance volumes have declined 23.5% since 1991.

Based upon the overall findings from the Department’s assessment and the declining trend in vehicular volumes, the Department was confident that the proposed entrance and exit closures, as well as the HOV 2+ program on the West Drive would have limited impacts on both the Park Drives and the surrounding streets.

Overall, the Department believes the Central Park program met or exceeded expectations for the project. These positive improvements included improved travel times, lower vehicular volumes, a decrease in speeds on the Park Drives and improved safety. Finally, with the exception of Central Park West, there were only minimal impacts on the surrounding roadways as a result of the diversions, closures or restrictions.

Vehicle Volumes

AM Peak Period - 7AM – 10AM

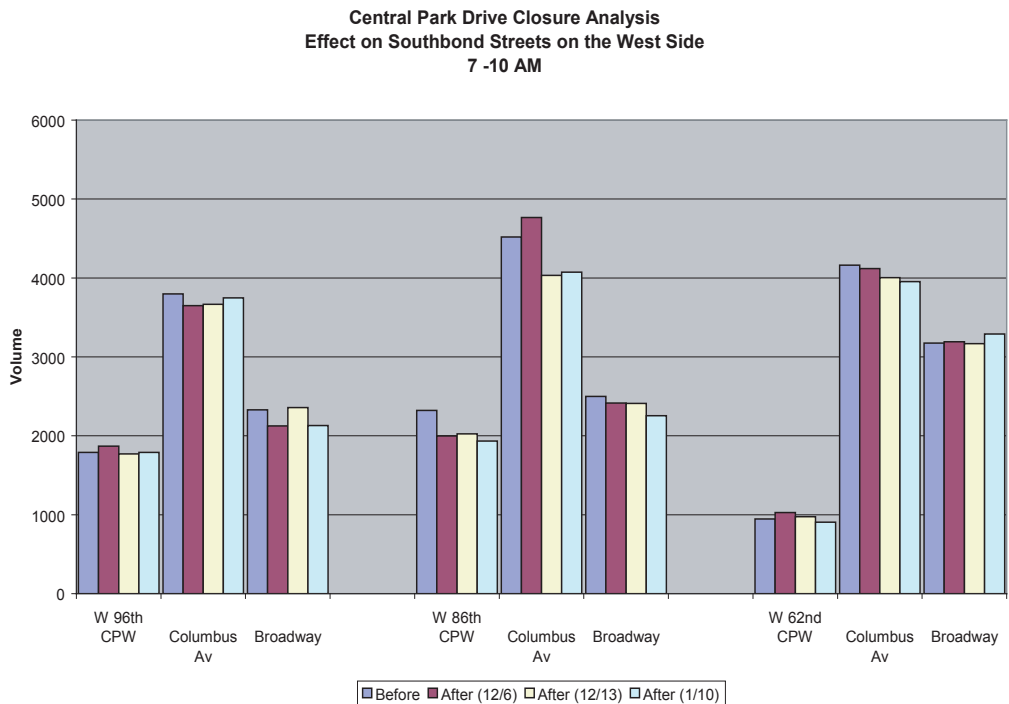
Although the volumes decreased on the Park Drives in the AM peak, the adjacent southbound streets showed no significant changes and in most cases, volumes decreased.

Volumes on Central Park’s West Drive between West 102nd and 103rd Street decreased during the AM peak period by an average of 33%. Volumes decreased by an average of 10% between West 62nd and 63rd Streets. The volume at 62nd Street exhibited a decline of 21% during the first week but declines of only 3% and 5% on subsequent weeks. This variation may be attributable to motorists using the 72nd Street Transpark Road and continuing southbound on the Drive.

AM peak period (7am-10am) vehicular volume on Central Park West decreased by an average of 4%. However, there were variations at the three locations where counts were collected. On Central Park West between 95th and 96th Streets and between 62nd and 63rd Streets there were minor fluctuations with average volumes

increasing by 1% and 3%, respectively. However on Central Park West between 86th and 87th Streets, vehicular volume decreased by an average of 14%, which translates to nearly 400 fewer vehicles over the three-hour peak period, which is still not

a significant impact. A detailed analysis is depicted in the graph above.



AM peak period vehicular volume on Columbus Avenue and Broadway showed minor fluctuations with no weekly fluctuation greater than 9%. Average volumes on Columbus Avenue decreased by 4% and average volumes on Broadway decreased by 3% during the three periods examined. This can be attributed to normal fluctuations in volume from week to week.

In analyzing total southbound volume at the 62nd Street “screenline”, which includes Central Park West, Columbus Avenue, Broadway and the West Drive at Tavern on the Green, average combined volume decreased by 4%. Most of this decrease is attributable to the 10% decrease in volume on the West Drive where the HOV restrictions were in effect. The combined volume on the three southbound streets at West 62nd Streets decreased by only 1%. The combined volume on the three southbound streets at West 96th Street and West 86th Street decreased by 3% and 7%, respectively.

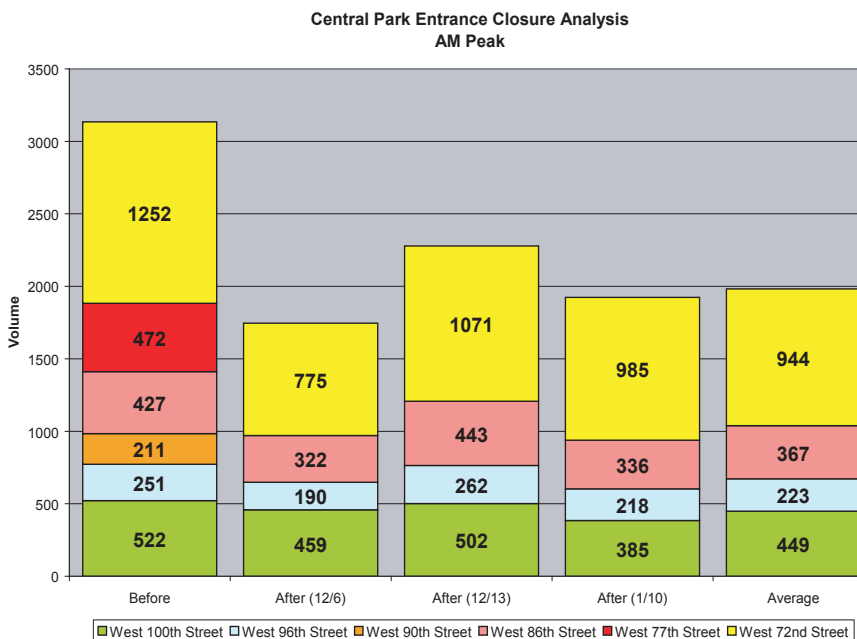
Overall, no entrance on the West Side experienced an increase in volume as a result of the closures. This could be related to the HOV restrictions and enforcement presence at these entrances.

AM peak period entries at all entrances to the West Drive (including the entrances that were closed as part of the plan but not including those on the north side

of the park) decreased by 37% as compared to before conditions.

Total AM peak period entries at the four entrances that remained open (West 100th, 96th, 86th and 72nd) decreased by 19% as compared to before conditions. The closure of the two entrances did not result in increased volumes at the four entrances that remained open. This could be attributed to

the HOV restrictions and enforcement presence at the entrances. A weekly summary of these trends is depicted in the graph above.



Fifth Avenue volumes between 95th and 96th Streets showed an average increase of 7%, while Fifth Avenue volumes between 62nd and 63rd Streets showed an average decrease of 9%. It is possible that motorists from points north of the park used Fifth Avenue as their southbound route and then used the 72nd Street Transpark Road to access points to the west and south.

This is evident when looking at the entrance at East 72nd Street, which showed an average increase of 12% (an additional 214 vehicles during the AM peak period). This far exceeds the 85 vehicle entries at the two entrances, (East 90th Street and East 102nd Street) to the East Drive north of East 72nd Street, when they were opened. Therefore, many more vehicles were utilizing the Transpark Road than in before conditions.

PM Peak Period - 3PM-7PM

Volumes on the southbound streets on the West Side were virtually unchanged as compared to before conditions. Central Park West and Columbus Avenue exhibited an average decrease of 6% and 2%, respectively while Broadway exhibited an average increase of 2%. The combined volumes at West 96th, West 86th and West 62nd Street were within 4% of the before volumes. The weekly trends are depicted in the graph to the right.

The average volume on the West Drive at Tavern on the Green decreased by an average of 6% (to 3,305 from 3,511) as compared to before conditions but exhibited significant variation. Volumes decreased by 15% during the week of December 6th

Central Park Drive Closure Analysis
 Effect on Southbound Streets on the West Side
 3-7 PM



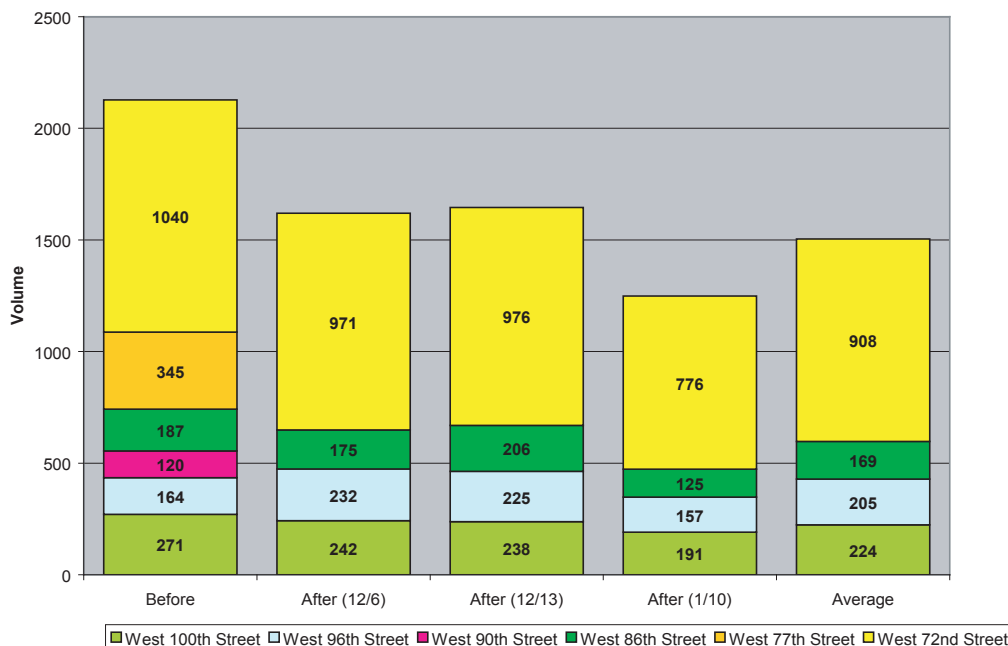
(to 2,969 vehicles) and increased by 11% (to 3,881 vehicles) during the week of December 13th, and decreased by 13% (to 3,064 vehicles) during the week of January 10th.

This variation may be a result of motorists learning alternate routes, such as the connection to the West Drive from the Transpark Road, after an adjustment period.

There was an average decrease of 6% in total volume at the 62nd Street screenline (including volumes on the West Drive at Tavern on the Green and Central Park West, Columbus Avenue and Broadway).

Total PM peak period vehicular volumes at all entrances to the West Drive (including the entrances that were closed as part of the plan but not including those on the north side of the park) decreased by an average of 29%. The decrease during the week of January 10th (41%) was more pronounced than during the weeks of December 6th and December 13th when the decreases were 24% and 23%, respectively. This 29% average decrease is a smaller percentage decrease than the 37% average decrease in the AM peak period. A possible explanation for the smaller decrease is that the HOV regulation is not in effect during the PM peak period. Total entries at the four entrances

Central Park Drive Entrance Closure Analysis
PM Peak



that remained open (West 100th, 96th, 86th and 72nd Streets) decreased by only 9% as compared to before conditions. A detailed weekly summary of PM peak period entrance volumes is depicted in the graph to the left.

Fifth Avenue volumes between



95th and 96th Streets showed an average increase of 7% while Fifth Avenue volumes between 62nd and 63rd Streets showed an average decrease of 8%. It is possible that motorists from points north of the park used Fifth Avenue as their southbound route and then used the Transpark Road to access points to the west and south.

The entrance at East 72nd Street showed an average increase of 23% (an additional 500 vehicles in the PM peak period). This far exceeds the 200 vehicle entries at the two entrances (East 90th Street and East 102nd Street) to the East Drive north of East 72nd Street when they were opened. Therefore, many more vehicles were utilizing the Transpark Road than in before conditions.

More detailed data is provided in the Appendix.

Park Drive Exit Volumes

AM Peak Period 7 AM-10 AM

The exit closures on the West Side did not result in increased volumes at the exits that remained open. On the West Side, the volumes at the West 100th Street Exit decreased by 6% (to 315 vehicles from 335 vehicles) and the volumes at the West 72nd Street Exit decreased by 12% (to 1,205 vehicles from 1,371) vehicles. This represents a combined decrease of only 186 vehicles during the 7-10 am peak period. Prior to these closures, the volumes at the West 90th Street and Strawberry Field Slip-off exits were 171 and 436, respectively, for a total of 607 vehicles. Accordingly, 793 fewer vehicles are exiting to the West Side than in before conditions, a 34% reduction. This reduction can be attributed, in part, to the overall reduction in vehicles on the West Drive resulting from the HOV restrictions and entrance closures. The decrease in exiting volumes of 12% at 7th Avenue at Central Park South can be attributed, in part, to the overall reduction in volumes on the West Drive

On the East Side, the overall reduction was lower compared to the West Side as exit volumes decreased by 9% (to 1205 from 1292). The East 102nd Street exit, which had a total volume of 62 vehicles prior to the implementation of the plan, was closed. The adjacent exit at East 90th Street exhibited a reduction of 26% (to 345 vehicles from 466 vehicles). The East 72nd Street Exit exhibited an increase of 13% (to 860 vehicles from 764) vehicles. The combined exit

volumes at East 90th and East 102nd Streets decreased by 35% (from 528 vehicles to 345 vehicles), a decrease similar to the West Side.

PM Peak Period 3 PM- 7 PM

The exit closures on the West Side resulted in a slight increase in overall exit volumes, including a significant increase at the West 72nd Street exit. The volumes at the West 100th Street Exit increased by 9% (by 25 vehicles to 318 vehicles from 293 vehicles) and the volumes at the West 72nd Street Exit increased by 25% (+437 vehicles to 2,162 vehicles from 1,725 vehicles). This represents a combined increase of 462 vehicles during the 3-7 pm peak period. Prior to these closures, the volumes at the West 90th Street and Strawberry Field Slip-off exits were 114 and 244, respectively, for a total of 358 vehicles. Accordingly, 104 additional vehicles are exiting to the West Side than before conditions, a 9% increase. This reduction may be attributed, in part, to additional vehicles using the Transpark Road and exiting at West 72nd Street. The 17% decrease in exiting volumes at Seventh Avenue and Central Park South can be attributed, in part, to the overall reduction in volumes on the West Drive.

On the East Side, there was a minimal decrease in exiting volume of 4% (-85 vehicles to 2,027 from 2,112). The East 102nd Street exit, which had a total volume of 129 vehicles prior to the implementation of the plan, was closed. The adjacent exit at East 90th Street exhibited a reduction of 28% (-182 vehicles to 467 vehicles). The East 72nd Street Exit exhibited an increase of 17% (to 1,560 vehicles from 1,334 vehicles). The combined exit volumes at East 90th and East 102nd Streets decreased by 40% (-311 vehicles to 467 vehicles from 778 vehicles).



Travel Times

Travel time runs were conducted on the Central Park West Drive and on the roadways (to the west) adjacent to Central Park to determine the impacts of the HOV restrictions and the entrance closures.

AM Peak Period - 7AM -10 AM

Generally, southbound travel times showed improvement subsequent to the implementation of the HOV restrictions and the entrance closures. The major findings were as follows:

- There was a significant improvement on the Central Park West Drive . Travel times decreased by 25% on the Central Park West Drive to 8 minutes 11 seconds from 10 minutes 54 seconds as speeds increased to 22.0 mph from 16.5 mph.
- There was a significant impact on Central Park West. Travel times on Central Park West exhibited an increase of 43% to 13 minutes 56 seconds from 9 minutes 46 seconds as speeds decreased to 10.8 mph from 15.4 mph.

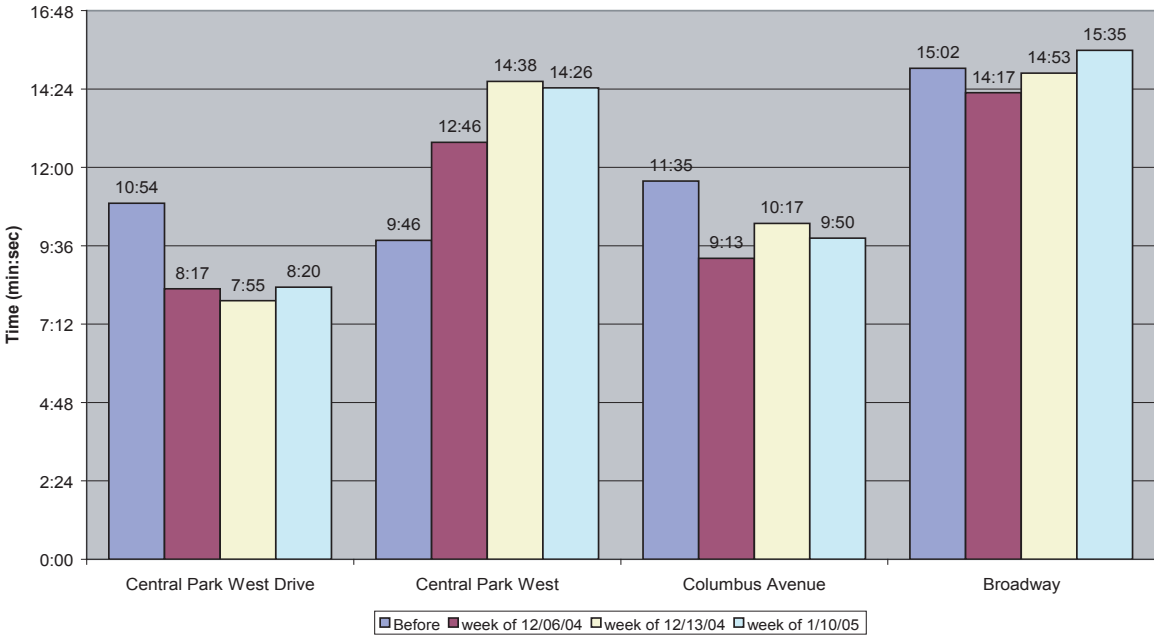
In addition:

- Columbus Avenue demonstrated an improvement in travel times by 16% to 9 minutes 47 seconds from 11 minutes 35 seconds and speeds increased to 15.9 mph from 13.2 mph.
- Travel times on Broadway remained relatively constant decreasing to 14 minutes 55 seconds from 15 minutes 2 seconds as speed increased to 10.5 mph from 10.4 mph.

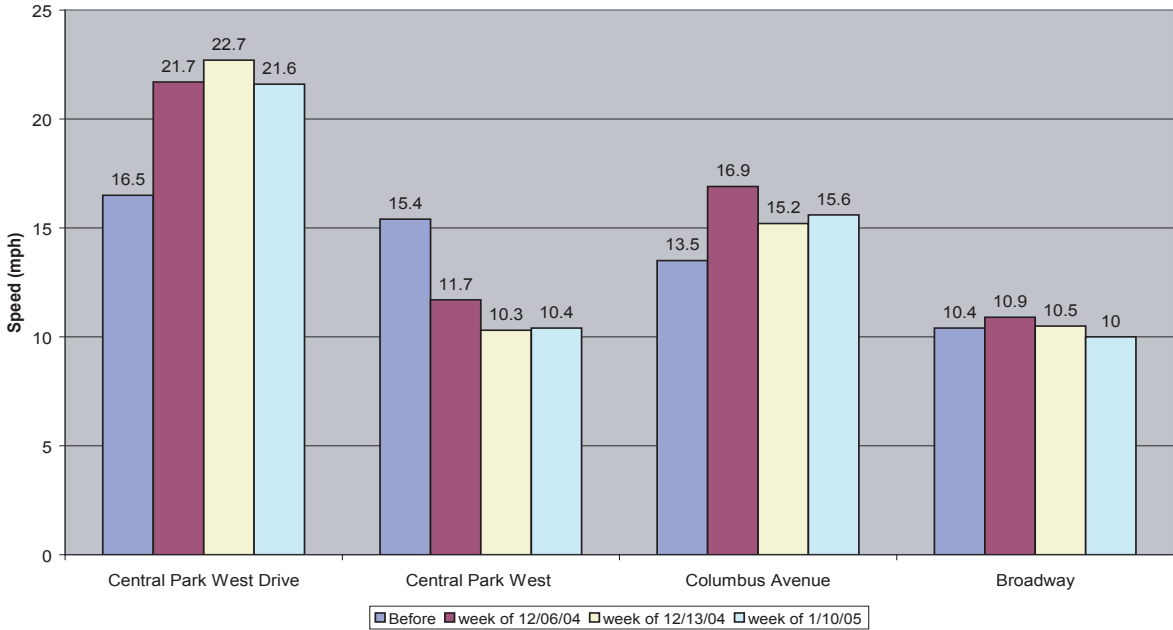
Northbound travel times and speeds exhibited minor fluctuations. Travel times on Central Park West and Broadway each increased by 7% while travel times on Amsterdam Avenue decreased by 8%. This represents a 6% decrease of speed on both Central Park West and Broadway and a 9% increase of speed on Amsterdam Avenue.

A detailed summary of the travel times and travel speeds are depicted in the graphs on the following page, as well within the Appendix.

Central Park HOV and Closure Analysis
Travel Times
7 - 10 am



Central Park Drive HOV and Closure Analysis
Travel Speeds
7- 10 am





PM Peak Period - 3PM - 7PM

Southbound travel times improved on the Central Park West Drive but deteriorated on the streets adjacent to the park during the PM peak period when the HOV restrictions were not in effect. The major findings are as follows:

- Travel times on the Central Park West Drive demonstrated significant improvement even though the HOV restrictions were not in effect.
- Travel times increased and speed decreased on all roadways adjacent to the park despite decreases in vehicular volume.
- Travel times were higher and speeds were lower in the PM peak than in the AM peak.

Specifically, travel times decreased by 15% on the Central Park West Drive to 8 minutes 11 seconds from 9 minutes 36 seconds as speeds increased to 22.0 mph from 18.8 mph. Columbus Avenue demonstrated a 7% increase in travel time to 10 minutes 44 seconds from 10 minutes 2 seconds with speeds decreasing to 14.2 mph from 15.3 mph. Travel times on Broadway increased by 21.5% to 16 minutes 32 seconds from 15 minutes 2 seconds as speed decreased to 9.4 mph from 11.5 mph. Travel times on Central Park West exhibited an increase of 9% to 15 minutes 28 seconds from 14 minutes 12 seconds as speeds decreased to 9.7 miles per hour from 10.6 miles per hour. This was a much smaller percentage decrease than the 43% decrease exhibited in the AM peak period. In all four cases, the PM peak period travel times were higher than in the AM peak period.

Northbound travel times exhibited slight increases on Amsterdam Avenue and a more pronounced increase on Central Park West. Travel times on Central Park West, Amsterdam Avenue and Broadway increased by 31%, 3% and 12%, respectively. This represents a decrease in speed of 24%, 3% and 10%, on Central Park West, Amsterdam Avenue and Broadway, respectively.

Vehicle Volume/Travel Time Findings

There was a concern prior to program implementation that the HOV restriction and the entrance closures would cause traffic diversions to avenues adjacent to the park and would result in increased travel times. This did not prove to

be the case. In the AM peak period, Broadway exhibited a slight decrease in volume and a minimal decrease in travel time. Columbus Avenue exhibited a slight decrease in volume and a moderate decrease in travel time. On Central Park West, there was a significant increase in travel time. However, this was not accompanied by any marked increase in volume. The volumes along Central Park West exhibited slight increases at two of the three observed locations and a decrease at only one location. Possibly, there were bottleneck points along Central Park West which caused the travel time increases.

In the PM peak period, when the HOV restrictions were not in effect, all of the southbound streets adjacent to the Park experienced increases in travel times. Average volumes declined in a vast majority of the cases on the roadways adjacent to the park during the PM peak.

More detailed data is provided in the Appendix.



Radar Speeds

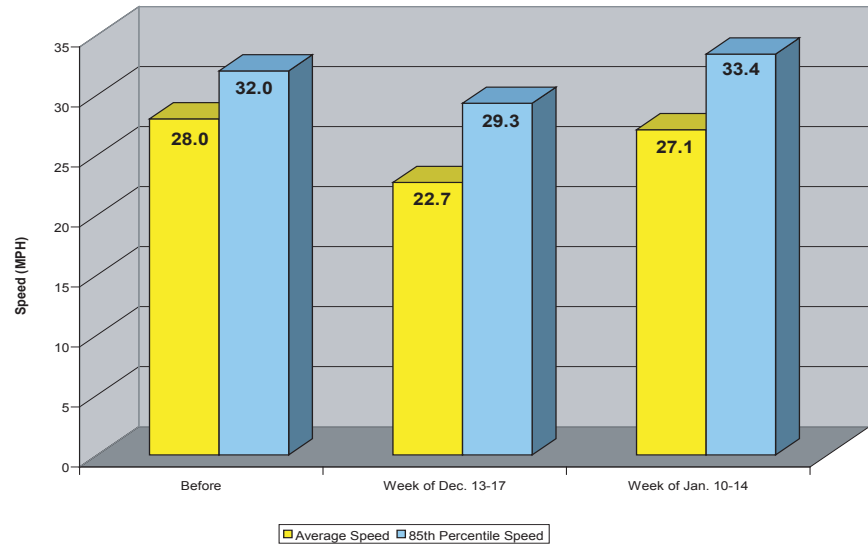
For both recreational users and agency officials, speeding on the Park Drives was a major concern. As such, the Department responded by lowering the speed limit on the Park Drives to 25 mph from 30 mph at the request of the Parks Department.

Based on radar speed surveys collected on the West Drive in the vicinity of 92nd and 96th Streets and again between 62nd and 65th Streets, the Department found a significant decline in both the average and 85th percentile speeds. Between 92nd and 96th Streets, average speed decreased 22.4% (to 25.0 mph from 32.2 mph), and 85th percentile speed decreased 20% (to 28.8 mph from 36.0 mph). Between 62nd and 65th Streets, average speed decreased 11.1% (to 24.9 mph from 28.0 mph), and 85th percentile speed decreased 2.0% (to 31.4 mph from 32.0 mph).

On the East Drive, there was also a decline in speeds. While the Department does not have data for comparison, the average speed on the East Drive and

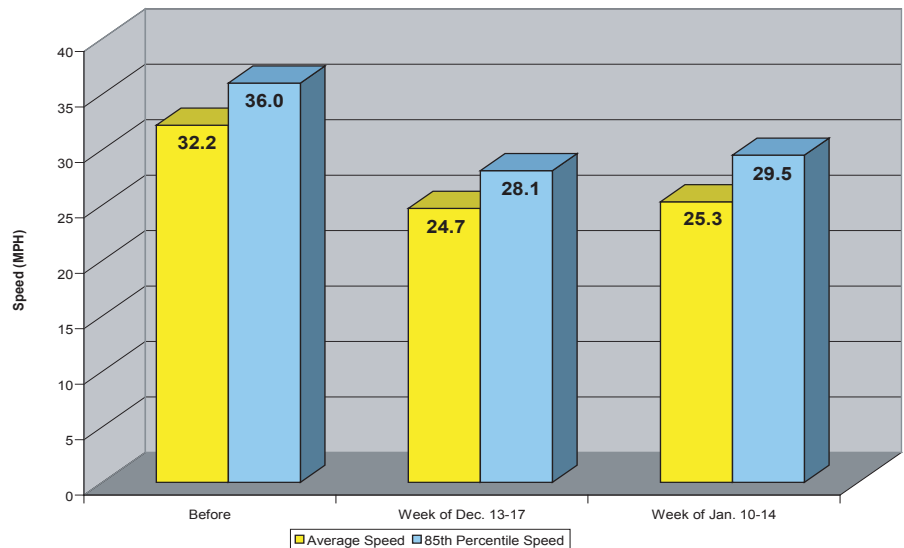
West Drive Radar Speeds

Between 62nd and 65th Streets



West Drive Radar Speeds

Between 92nd and 96th Streets



East 63rd Street was 25.2 mph and the 85th percentile speed was 28.6 mph. These numbers are encouraging on the East Drive as they are below the previous speed limit.

These results show that the program has been successful in reducing speeding while improving travel time. As a whole, the lower speeds and volumes provide for a safer shared use roadway that is not as threatening to recreational users.

Vehicle Occupancy

As part of the monitoring program, the Department monitored vehicle occupancy on the West Drives in both the northern and southern sections of the Park. While the program was envisioned to be self-enforcing, the progressive trends throughout the monitoring period were encouraging. Prior to the implementation, the Department found an average of 1379 single occupant vehicles on the West Drive between West 95th and 96th Streets. With the implementation of the HOV 2+, the number of single occupant vehicles (SOV's) at this location fell dramatically. In week 1, the number of single occupant vehicles decreased by 43% to 784. In week 2, SOV's declined by 62% to 518. In week 3, SOV's declined by 88% from "before" numbers to 163.

In the southern portion of the Park, SOV's rates were not as high but still showed a remarkable reduction in the number of single occupant vehicles. On the West Drive between 62nd and 63rd Streets, there were was an average of 1382 SOV's on the West Drive between 62nd and 63rd Streets. In week 1, this number of SOV's decreased by 49% to 702. In week 2, SOV's decreased by 68% to 442 and in week 3, SOV's returned to week one levels of 49% with 701 SOV's. Taxis had the highest compliance rate with the SOV restriction, however, taxi SOV percentage was already low prior to implementation of the restriction. One of the reasons for the higher number of SOV's in the southern portion of the West Drive is due to the 72nd Street Transpark, where westbound vehicles are able to directly enter the West Drive.

Based upon these findings, the HOV 2+ program has been successful in reducing the number of single occupant vehicles on the Park Drives. This trend has assisted in reducing the volume of vehicles on the West Drive during the AM period.



Conclusions

Based upon the minimal impacts associated with the Central Park Program, it is recommended that the HOV 2+ program and specific entrance/exit closures remain permanent based upon the following findings:

- There is no evidence of significant impacts associated with the HOV 2+ restriction and exit/entrance closures.
- Travel times improved significantly on the West Drive, particularly during the HOV 2+ restriction in the AM peak period.
- The number of single occupant vehicles on the West Drive decreased dramatically, improving significantly in week 3 to an 88% reduction at West 95/96th Streets.
- Although the volumes did not increase on Central Park West, it is apparent by the travel time surveys that most of the traffic diverted to Central Park West where travel times deteriorated by 25% in the AM peak and less significantly (by 15%) in the PM peak period.
- Columbus Avenue and Broadway were minimally affected by the Central Park Program. Both volumes and travel times either decreased slightly or remained relatively unchanged.
- Due to the reduced speed limit on the park drives, both average speeds and 85th percentile speeds have been significantly reduced.
- An improvement in safety due to the reduction in speed on the park drives and the elimination of pedestrian/vehicular conflicts at the entrances and exits that were closed.

Appendix I

HOV Monitoring Plan



Central Park HOV Monitoring Plan

ATR Volume Locations (within the West Drive, at Entrances and Exits to the West Drive, and on adjacent southbound roadways):

- Central Park West Drive @ Tavern on the Green (67th Street)
- Central Park West Drive between West 102nd and West 103rd Streets
- Lenox Avenue Entrance/Exit
- East 102nd Street Entrance/Exit
- East 90th Street Entrance/Exit
- Adam Clayton Powell Jr. Boulevard Entrance/Exit
- West 100th Street Entrance/Exit
- West 96th Street Entrance
- West 90th Street Entrance/Exit
- West 77th Street Entrance
- West 85th Street Entrance
- West 72nd Street Entrance/Exit
- West 72nd Street slip-off Ramp @ Strawberry Fields
- Central Park Exit from the West Drive to 7th Avenue/Central Park South
- Central Park West (southbound) between West 62nd and West 63rd Streets
- Central Park West (southbound) between West 95th and West 96th Streets
- Columbus Avenue between West 62nd and West 63rd Streets
- Columbus Avenue between West 95th and West 96th Streets
- Broadway (southbound) between West 62nd and West 63rd Streets
- Broadway (southbound) between West 95th and West 96th Streets

Vehicle Travel Times (7-10 am and 3-7 pm)

- Central Park West Drive between Adam Clayton Powell Jr. Boulevard and the 7th Avenue Exit. Checkpoints: 97th Street Transverse, 85th Street Transverse, 79th Street Transverse, 65th Street Transverse.
- Central Park West between 110th Street and 59th Street/Central Park South. Checkpoints: 97th, 85th, 79th and 65th Streets.
- Columbus Avenue between 110th Street and 59th Street/Central Park South. Checkpoints: 97th, 85th, 79th and 65th Streets.
- Broadway between 110th Street and 59th Street/Central Park South. Checkpoints: 97th, 85th, 79th and 65th Streets.

Vehicle Occupancy & Classification (Autos, Yellow Taxis, Limousines & Black Cars)
Counts (7-10 am and 3-7 pm)

- West Drive between West 62nd and West 63rd Streets
- West Drive between West 95th and West 96th Street



Appendix II

Detailed Analyses

As of November 29, 2004, four Central Park entrances and three exits were closed to motor vehicles during all hours.

The following entrances were closed.

Entrance at West 77th Street.

Entrance at East 90th Street

Entrance at West 90th Street.

Entrance at East 102nd Street.

The following exits were also closed.

Exit at West 90th Street.

Exit at East 102nd Street.

Slip-off along the west side of Strawberry Field to the exit at West 72nd Street (the West 72nd Street exit itself was not closed).

Extensive field data was collected both before and after these closures. This report presents the findings regarding the impacts of these closures on the Manhattan streets and avenues in the vicinity of Central Park.

ATR Volumes

Central Park Entrance ATR Volumes

Entrance at East 72nd Street.

- Week of Dec. 6-10, 2004: 7-10am volume up 15.5%, to 2,144 from 1,856.
3-7pm volume up 41.0%, to 3,035 from 2,152.
- Week of Dec. 13-17, 2004: 7-10am volume up 20.9%, to 2,243 from 1,856.
3-7pm volume up 38.0%, to 2,970 from 2,152.
- Week of Jan. 10-14, 2005: 7-10am volume down 1.8%, to 1,822 from 1,856.
3-7pm volume down 9.3%, to 1,952 from 2,152.

Entrance at East 90th Street.

- This entrance was closed as of November 29, 2004. Before implementation, average volume was 23 vehicles between 7-10am, and 71 vehicles between 3-7pm.



Entrance at East 102nd Street.

- This entrance was closed as of November 29, 2004. Before implementation, average volume was 62 vehicles between 7-10am, and 129 vehicles between 3-7pm.

Entrance at West 72nd Street.

- Week of Dec. 6-10, 2004: 7-10am volume down 38.1%, to 775 from 1,252.
3-7pm volume down 6.6%, to 971 from 1,040.
- Week of Dec. 13-17, 2004: 7-10am volume down 14.5%, to 1,071 from 1,252.
3-7pm volume down 4.2%, to 996 from 1,040.
- Week of Jan. 10-14, 2005: 7-10am volume down 21.3%, to 985 from 1,252.
3-7pm volume down 25.4%, to 776 from 1,040.

Entrance at West 77th Street.

- This entrance was closed as of November 29, 2004. Before implementation, average volume was 472 vehicles between 7-10am, and 345 vehicles between 3-7pm.

Entrance at West 85th Street.

- Week of Dec. 6-10, 2004: 7-10am volume down 24.6%, to 322 from 427.
3-7pm volume down 6.4%, to 175 from 187.
- Week of Dec. 13-17, 2004: 7-10am volume up 3.7%, to 443 from 427.
3-7pm volume up 10.2%, to 206 from 187.
- Week of Jan. 10-14, 2005: 7-10am volume down 21.3%, to 336 from 427.
3-7pm volume down 33.2%, to 125 from 187.

Entrance at West 90th Street.

- This entrance was closed as of November 29, 2004. Before implementation, average volume was 211 vehicles between 7-10am, and 120 vehicles between 3-7pm.

Entrance at West 96th Street (excludes vehicles headed for the eastbound transverse).

- Week of Dec. 6-10, 2004: 7-10am volume down 24.3%, to 190 from 251.
3-7pm volume up 41.5%, to 232 from 164.
- Week of Dec. 13-17, 2004: 7-10am volume up 4.4%, to 262 from 251.
3-7pm volume up 37.2%, to 225 from 164.

- Week of Jan. 10-14, 2005: 7-10am volume down 13.1%, to 218 from 251.
3-7pm volume down 4.3%, to 157 from 164.

Entrance at West 100th Street.

- Week of Dec. 6-10, 2004: 7-10am volume down 12.1%, to 459 from 522.
3-7pm volume down 10.7%, to 242 from 271.
- Week of Dec. 13-17, 2004: 7-10am volume down 3.8%, to 502 from 522.
3-7pm volume down 12.2%, to 238 from 271.
- Week of Jan. 10-14, 2005: 7-10am volume down 26.2%, to 385 from 522.
3-7pm volume down 29.5%, to 191 from 271.

Entrance at Lenox Avenue.

- Week of Dec. 6-10, 2004: 7-10am volume down 34.9%, to 659 from 1,013.
3-7pm volume up 1.8%, to 1,001 from 983.
- Week of Dec. 13-17, 2004: 7-10am volume down 24.6%, to 764 from 1,013.
3-7pm volume up 12.8%, to 1,109 from 983.
- Week of Jan. 10-14, 2005: 7-10am volume down 47.0%, to 537 from 1,013.
3-7pm volume down 33.9%, to 650 from 983.

Entrance at Adam C. Powell, Jr., Boulevard.

- Week of Dec. 6-10, 2004: 7-10am volume down 42.2%, to 810 from 1,401.
3-7pm volume down 8.8%, to 478 from 524.
- Week of Dec. 13-17, 2004: 7-10am volume down 7.6%, to 1,294 from 1,401.
3-7pm volume up 33.8%, to 701 from 524.
- Week of Jan. 10-14, 2005: 7-10am volume down 49.1%, to 713 from 1,401.
3-7pm volume down 18.3%, to 428 from 524.

Central Park Exit ATR Volumes

Exit at East 72nd Street.

- Week of Dec. 6-10, 2004: 7-10am volume up 16.6%, to 891 from 764.
3-7pm volume up 12.0%, to 1,494 from 1,334.
- Week of Dec. 13-17, 2004: 7-10am volume up 25.3%, to 957 from 764.
3-7pm volume up 21.7%, to 1,624 from 1,334.
- Week of Jan. 10-14, 2005: 7-10am volume down 4.2%, to 732 from 764.
3-7pm volume up 17.2%, to 1,563 from 1,334.



Exit at East 90th Street.

- Week of Dec. 6-10, 2004: 7-10am volume down 18.9%, to 378 from 466.
3-7pm volume down 21.9%, to 507 from 649.
- Week of Dec. 13-17, 2004: 7-10am volume down 33.3%, to 311 from 466.
3-7pm volume down 34.4%, to 426 from 649.

Exit at East 102nd Street.

- This exit was closed as of November 29, 2004. Before implementation, average volume was 63 vehicles between 7-10am, and 124 vehicles between 3-7pm.

Exit at West 72nd Street.

- Week of Dec. 6-10, 2004: 7-10am volume down 12.6%, to 1,198 from 1,371.
3-7pm volume up 28.2%, to 2,211 from 1,725.
- Week of Dec. 13-17, 2004: 7-10am volume up 0.8%, to 1,382 from 1,371.
3-7pm volume up 36.2%, to 2,349 from 1,725.
- Week of Jan. 10-14, 2005: 7-10am volume down 24.5%, to 1,035 from 1,371.
3-7pm volume up 11.6%, to 1,925 from 1,725.

Exit at Strawberry Field to West 72nd Street.

- The Strawberry Field slip-off to the West 72nd Street exit was closed as of November 29, 2004. Before implementation, average volume was 436 vehicles between 7-10am, and 244 vehicles between 3-7pm.

Exit at West 90th Street.

- This exit was closed as of November 29, 2004. Before implementation, average volume was 171 vehicles between 7-10am, and 114 vehicles between 3-7pm.

Exit at West 100th Street.

- Week of Dec. 6-10, 2004: 7-10am volume down 14.3%, to 287 from 335.
3-7pm volume down 1.4%, to 289 from 293.
- Week of Dec. 13-17, 2004: 7-10am volume up 14.0%, to 382 from 335.
3-7pm volume up 24.6%, to 365 from 293.
- Week of Jan. 10-14, 2005: 7-10am volume down 17.6%, to 276 from 335.
3-7pm volume up 2.0%, to 299 from 293.

Exit at 7th Avenue/Central Park South.

- Week of Dec. 6-10, 2004: 7-10am volume down 24.4%, to 3,050 from 4,033.
3-7pm volume down 31.9%, to 1,977 from 2,904.
- Week of Dec. 13-17, 2004: 7-10am volume down 9.3%, to 3,657 from 4,033.
3-7pm volume down 12.8%, to 2,532 from 2,904.
- Week of Jan. 10-14, 2005: 7-10am volume down 1.4%, to 3,978 from 4,033.
3-7pm volume down 5.2%, to 2,754 from 2,904.

Exit at Lenox Avenue.

- Week of Dec. 6-10, 2004: 7-10am volume up 5.4%, to 273 from 259.
3-7pm volume up 2.9%, to 769 from 747.
- Week of Dec. 13-17, 2004: 7-10am volume up 11.2%, to 288 from 259.
3-7pm volume up 0.8%, to 753 from 747.
- Week of Jan. 10-14, 2005: 7-10am volume down 2.3%, to 253 from 259.
3-7pm volume down 12.7%, to 652 from 747.

Exit at Adam C. Powell, Jr., Boulevard.

- Week of Dec. 6-10, 2004: 7-10am volume down 25.8%, to 141 from 190.
3-7pm volume down 17.1%, to 664 from 801.
- Week of Dec. 13-17, 2004: 7-10am volume down 31.1%, to 131 from 190.
3-7pm volume down 17.0%, to 665 from 801.
- Week of Jan. 10-14, 2005: 7-10am volume down 45.8%, to 103 from 190.
3-7pm volume down 22.8%, to 618 from 801.

Northbound Avenue ATR Volumes

Park Avenue Northbound between East 62-63 Streets.

- Week of Dec. 6-10, 2004: 7-10am volume down 3.3%, to 3,814 from 3,945.
3-7pm volume down 10.2%, to 4,678 from 5,211.
- Week of Dec. 13-17, 2004: 7-10am volume down 1.6%, to 3,882 from 3,945.
3-7pm volume down 5.8%, to 4,910 from 5,211.
- Week of Jan. 10-14, 2005: 7-10am volume down 10.0%, to 3,551 from 3,945.
3-7pm volume down 3.1%, to 5,049 from 5,211.

Park Avenue Northbound between East 95-96 Streets.

- Week of Dec. 6-10, 2004: 7-10am volume down 4.2%, to 1,610 from 1,680.
3-7pm volume up 0.8%, to 2,893 from 2,870.



- Week of Dec. 13-17, 2004: 7-10am volume up 6.8%, to 1,795 from 1,680.
3-7pm volume up 12.1%, to 3,217 from 2,870.
- Week of Jan. 10-14, 2005: 7-10am volume up 2.1%, to 1,716 from 1,680.
3-7pm volume up 1.0%, to 2,900 from 2,870.

Madison Avenue Northbound between East 62-63 Streets.

- Week of Dec. 13-17, 2004: 7-10am volume up 3.8%, to 3,828 from 3,688.
3-7pm volume down 1.5%, to 5,188 from 5,266.
- Week of Jan. 10-14, 2005: 7-10am volume up 1.8%, to 3,755 from 3,688.
3-7pm volume up 3.3%, to 5,439 from 5,266.

Madison Avenue Northbound between East 95-96 Streets.

- Week of Dec. 6-10, 2004: 7-10am volume down 24.6%, to 1,659 from 2,201.
3-7pm volume down 4.3%, to 3,740 from 3,908.
- Week of Dec. 13-17, 2004: 7-10am volume down 29.6%, to 1,549 from 2,201.
3-7pm volume down 16.9%, to 3,247 from 3,908.
- Week of Jan. 10-14, 2005: 7-10am volume down 15.8%, to 1,854 from 2,201.
3-7pm volume down 14.4%, to 3,345 from 3,908.

Central Park West Northbound between West 86-87 Streets.

- Week of Dec. 6-10, 2004: 7-10am volume down 4.2%, to 1,964 from 2,050.
3-7pm volume up 3.8%, to 3,872 from 3,729.
- Week of Dec. 13-17, 2004: 7-10am volume down 7.8%, to 1,890 from 2,050.
3-7pm volume down 0.2%, to 3,722 from 3,729.
- Week of Jan. 10-14, 2005: 7-10am volume down 10.4%, to 1,837 from 2,050.
3-7pm volume down 9.1%, to 3,390 from 3,729.

Southbound Avenue ATR Volumes

Fifth Avenue Southbound between East 62-63 Streets.

- Week of Dec. 6-10, 2004: 7-10am volume down 9.6%, to 4,305 from 4,762.
3-7pm volume down 28.0%, to 3,475 from 4,829.
- Week of Dec. 13-17, 2004: 7-10am volume down 10.0%, to 4,287 from 4,762.
3-7pm volume down 9.7%, to 4,362 from 4,829.
- Week of Jan. 10-14, 2005: 7-10am volume down 8.0%, to 4,379 from 4,762.
3-7pm volume up 14.1%, to 5,508 from 4,829.

Fifth Avenue Southbound between East 95-96 Streets.

- Week of Dec. 6-10, 2004: 7-10am volume up 12.4%, to 2,834 from 2,522.
3-7pm volume up 9.7%, to 3,405 from 3,104.
- Week of Dec. 13-17, 2004: 7-10am volume up 7.9%, to 2,721 from 2,522.
3-7pm volume up 12.6%, to 3,495 from 3,104.
- Week of Jan. 10-14, 2005: 7-10am volume down 0.2%, to 2,516 from 2,522.
3-7pm volume down 0.1%, to 3,101 from 3,104.

Central Park West Southbound between West 62-63 Streets.

- Week of Dec. 6-10, 2004: 7-10am volume up 8.7%, to 1,028 from 946.
3-7pm volume up 3.1%, to 1,427 from 1,384.
- Week of Dec. 13-17, 2004: 7-10am volume up 3.2%, to 976 from 946.
3-7pm volume down 0.3%, to 1,380 from 1,384.
- Week of Jan. 10-14, 2005: 7-10am volume down 4.2%, to 906 from 946.
3-7pm volume down 17.9%, to 1,136 from 1,384.

Central Park West Southbound between West 86-87 Streets.

- Week of Dec. 6-10, 2004: 7-10am volume down 13.9%, to 1,999 from 2,323.
3-7pm volume down 16.1%, to 1,914 from 2,282.
- Week of Dec. 13-17, 2004: 7-10am volume down 12.9%, to 2,024 from 2,323.
3-7pm volume down 10.9%, to 2,033 from 2,282.
- Week of Jan. 10-14, 2005: 7-10am volume down 16.8%, to 1,933 from 2,323.
3-7pm volume down 12.6%, to 1,995 from 2,282.

Central Park West Southbound between West 95-96 Streets.

- Week of Dec. 6-10, 2004: 7-10am volume up 4.4%, to 1,869 from 1,791.
3-7pm volume down 2.4%, to 1,745 from 1,788.
- Week of Dec. 13-17, 2004: 7-10am volume down 1.2%, to 1,770 from 1,791.
3-7pm volume up 2.8%, to 1,838 from 1,788.
- Week of Jan. 10-14, 2005: 7-10am volume unchanged at 1,791.
3-7pm volume up 1.1%, to 1,808 from 1,788.

Columbus Avenue Southbound between West 62-63 Streets.

- Week of Dec. 6-10, 2004: 7-10am volume down 1.0%, to 4,120 from 4,163.
3-7pm volume up 1.6%, to 5,127 from 5,047.
- Week of Dec. 13-17, 2004: 7-10am volume down 3.8%, to 4,005 from 4,163.
3-7pm volume down less than 0.1%, to 5,045 from



5,047.

- Week of Jan. 10-14, 2005: 7-10am volume down 5.0%, to 3,954 from 4,163.
3-7pm volume down 2.8%, to 4,904 from 5,047.

Columbus Avenue Southbound between West 86-87 Streets.

- Week of Dec. 6-10, 2004: 7-10am volume up 5.5%, to 4,767 from 4,518.
3-7pm volume up 3.6%, to 4,856 from 4,686.
- Week of Dec. 13-17, 2004: 7-10am volume down 10.8%, to 4,032 from 4,518.
3-7pm volume down 8.1%, to 4,306 from 4,686.
- Week of Jan. 10-14, 2005: 7-10am volume down 9.8%, to 4,073 from 4,518.
3-7pm volume down 10.7%, to 4,185 from 4,686.

Columbus Avenue Southbound between West 95-96 Streets.

- Week of Dec. 6-10, 2004: 7-10am volume down 3.9%, to 3,650 from 3,798.
3-7pm volume down 4.9%, to 3,545 from 3,728.
- Week of Dec. 13-17, 2004: 7-10am volume down 3.4%, to 3,667 from 3,798.
3-7pm volume down 0.4%, to 3,713 from 3,728.
- Week of Jan. 10-14, 2005: 7-10am volume down 1.3%, to 3,747 from 3,798.
3-7pm volume up 2.5%, to 3,821 from 3,728.

Broadway Southbound between West 62-63 Streets.

- Week of Dec. 6-10, 2004: 7-10am volume up 0.5%, to 3,192 from 3,175.
3-7pm volume down 8.6%, to 3,293 from 3,602.
- Week of Dec. 13-17, 2004: 7-10am volume down 0.3%, to 3,167 from 3,175.
3-7pm volume down 5.8%, to 3,393 from 3,602.
- Week of Jan. 10-14, 2005: 7-10am volume up 3.6%, to 3,289 from 3,175.
3-7pm volume up 4.4%, to 3,762 from 3,602.

Broadway Southbound between West 86-87 Streets.

- Week of Dec. 6-10, 2004: 7-10am volume down 3.3%, to 2,416 from 2,499.
3-7pm volume up 2.9%, to 3,442 from 3,344.
- Week of Dec. 13-17, 2004: 7-10am volume down 3.5%, to 2,411 from 2,499.
3-7pm volume up 7.6%, to 3,599 from 3,344.
- Week of Jan. 10-14, 2005: 7-10am volume down 9.8%, to 2,254 from 2,499.
3-7pm volume down 0.5%, to 3,327 from 3,344.

Broadway Southbound between West 95-96 Streets.

- Week of Dec. 6-10, 2004: 7-10am volume down 8.8%, to 2,126 from 2,330.
3-7pm volume up 3.7%, to 3,060 from 2,950.
- Week of Dec. 13-17, 2004: 7-10am volume up 1.2%, to 2,357 from 2,330.
3-7pm volume up 10.6%, to 3,264 from 2,950.
- Week of Jan. 10-14, 2005: 7-10am volume down 8.6%, to 2,130 from 2,330.
3-7pm volume up 2.2%, to 3,015 from 2,950.

Eastbound Cross Street ATR Volumes

West 77th Street Eastbound between Columbus Avenue and Central Park West.

- Week of Dec. 6-10, 2004: 7-10am volume down 20.3%, to 503 from 631.
3-7pm volume down 5.7%, to 816 from 865.
- Week of Dec. 13-17, 2004: 7-10am volume down 18.1%, to 517 from 631.
3-7pm volume up 3.2%, to 893 from 865.
- Week of Jan. 10-14, 2005: 7-10am volume down 22.7%, to 488 from 631.
3-7pm volume down 12.5%, to 757 from 865.

West 86th Street Eastbound between Columbus Avenue and Central Park West.

- Week of Dec. 6-10, 2004: 7-10am volume unchanged at 1,491.
3-7pm volume down 4.8%, to 2,131 from 2,238.
- Week of Dec. 13-17, 2004: 7-10am volume up 1.3%, to 1,511 from 1,491.
3-7pm volume down 5.2%, to 2,121 from 2,238.

East 90th Street Eastbound between Fifth and Madison Avenues.

- Week of Dec. 6-10, 2004: 7-10am volume up 4.2%, to 664 from 637.
3-7pm volume down 7.1%, to 920 from 990.
- Week of Dec. 13-17, 2004: 7-10am volume up 7.7%, to 686 from 637.
3-7pm volume down 0.6%, to 984 from 990.
- Week of Jan. 10-14, 2005: 7-10am volume up 2.4%, to 652 from 637.
3-7pm volume down 2.3%, to 967 from 990.

West 90th Street Eastbound between Columbus Avenue and Central Park West.

- Week of Dec. 6-10, 2004: 7-10am volume down 8.5%, to 453 from 495.
3-7pm volume down 4.5%, to 640 from 670.
- Week of Dec. 13-17, 2004: 7-10am volume down 4.6%, to 472 from 495.
3-7pm volume up 7.5%, to 720 from 670.



- Week of Jan. 10-14, 2005: 7-10am volume down 13.7%, to 427 from 495.
3-7pm volume down 10.6%, to 599 from 670.

Westbound Cross Street ATR Volumes

West 77th Street Westbound between Central Park West and Columbus Avenue.

- Week of Dec. 6-10, 2004: 7-10am volume down 22.6%, to 503 from 650.
3-7pm volume down 7.1%, to 749 from 806.
- Week of Dec. 13-17, 2004: 7-10am volume down 21.4%, to 511 from 650.
3-7pm volume up 0.1%, to 807 from 806.
- Week of Jan. 10-14, 2005: 7-10am volume down 17.4%, to 537 from 650.
3-7pm volume down 2.6%, to 785 from 806.

West 86th Street Westbound between Central Park West and Columbus Avenue.

- Week of Dec. 6-10, 2004: 7-10am volume up 13.9%, to 2,037 from 1,788.
3-7pm volume up 21.0%, to 3,352 from 2,770.
- Week of Dec. 13-17, 2004: 7-10am volume up 7.6%, to 1,924 from 1,788.
3-7pm volume up 13.3%, to 3,138 from 2,770.
- Week of Jan. 10-14, 2005: 7-10am volume down 1.0%, to 1,770 from 1,788.
3-7pm volume up 2.7%, to 2,844 from 2,770.

East 102nd Street Westbound between Madison and Fifth Avenues.

- Week of Dec. 6-10, 2004: 7-10am volume down 3.6%, to 351 from 364.
3-7pm volume down 14.3%, to 245 from 286.
- Week of Dec. 13-17, 2004: 7-10am volume up 5.2%, to 383 from 364.
3-7pm volume down 11.9%, to 252 from 286.
- Week of Jan. 10-14, 2005: 7-10am volume up 15.1%, to 419 from 364.
3-7pm volume up 1.7%, to 291 from 286.

Central Park Drives ATR Volumes

East Drive between 72-79 Streets.

- Week of Dec. 6-10, 2004: 7-10am volume down 2.0%, to 976 from 996.
3-7pm volume up 6.3%, to 2,040 from 1,919.
- Week of Dec. 13-17, 2004: 7-10am volume down 3.6%, to 960 from 996.
3-7pm volume up 2.2%, to 1,962 from 1,919.

- Week of Jan. 10-14, 2005: 7-10am volume down 0.6%, to 990 from 996.
3-7pm volume up 6.0%, to 2,035 from 1,919.

West Drive at Tavern on The Green (vicinity of 67th Street).

- Week of Dec. 6-10, 2004: 7-10am volume down 21.4%, to 3,552 from 4,521.
3-7pm volume down 15.4%, to 2,969 from 3,511.
- Week of Dec. 13-17, 2004: 7-10am volume down 2.6%, to 4,403 from 4,521.
3-7pm volume up 10.5%, to 3,881 from 3,511.
- Week of Jan. 10-14, 2005: 7-10am volume down 5.4%, to 4,277 from 4,521.
3-7pm volume down 12.7%, to 3,064 from 3,511.

West Drive between 102-103 Streets.

- Week of Dec. 6-10, 2004: 7-10am volume down 37.5%, to 1,436 from 2,299.
3-7pm volume down 4.5%, to 1,476 from 1,546.
- Week of Dec. 13-17, 2004: 7-10am volume down 25.2%, to 1,720 from 2,299.
3-7pm volume up 9.6%, to 1,694 from 1,546.
- Week of Jan. 10-14, 2005: 7-10am volume down 36.0%, to 1,472 from 2,299.
3-7pm volume down 19.7%, to 1,242 from 1,546.

Auto Travel Times and Speeds

Northbound Auto Travel Times and Speeds

Central Park East Drive Northbound from 6th Avenue Entrance to Adam C. Powell Blvd. Exit.

- Week of Dec. 6-10, 2004: 7-10am travel time 7.89 minutes; average speed 22.8 mph.
3-7pm travel time 8.12 minutes; average speed 22.2 mph.
- Week of Dec. 13-17, 2004: 7-10am travel time 7.38 minutes; average speed 24.4 mph.
3-7pm travel time 7.57 minutes; average speed 23.8 mph.
- Week of Jan. 10-14, 2005: 7-10am travel time 8.11 minutes; average speed 22.2 mph.
3-7pm travel time 8.78 minutes; average speed 20.5 mph.



Central Park West Northbound from 59th Street to 110th Street.

- Week of Dec. 6-10, 2004: 7-10am travel time up 15.5%, to 16.10 minutes from 13.94 minutes; average speed down 13.6%, to 9.5 mph from 11.0 mph.
3-7pm travel time up 30.9%, to 13.89 minutes from 10.61 minutes; average speed down 23.6%, to 11.0 mph from 14.4 mph.
- Week of Dec. 13-17, 2004: 7-10am travel time up 12.1%, to 15.62 minutes from 13.94 minutes; average speed down 10.9%, to 9.8 mph from 11.0 mph.
3-7pm travel time up 32.2%, to 14.03 minutes from 10.61 minutes; average speed down 24.3%, to 10.9 mph from 14.4 mph.
- Week of Jan. 10-14, 2005: 7-10am travel time down 7.5%, to 12.89 minutes from 13.94 minutes; average speed up 8.2%, to 11.9 mph from 11.0 mph.
3-7pm travel time up 28.4%, to 13.62 minutes from 10.61 minutes; average speed down 22.2%, to 11.2 mph from 14.4 mph.

Amsterdam Avenue Northbound from 59th Street to 110th Street.

- Week of Dec. 6-10, 2004: 7-10am travel time down 15.4%, to 7.69 minutes from 9.09 minutes; average speed up 18.5%, to 19.9 mph from 16.8 mph.
3-7pm travel time up 4.0%, to 10.89 minutes from 10.47 minutes; average speed down 4.1%, to 14.0 mph from 14.6 mph.
- Week of Dec. 13-17, 2004: 7-10am travel time down 1.3%, to 8.97 minutes from 9.09 minutes; average speed up 1.8%, to 17.1 mph from 16.8 mph.
3-7pm travel time up 8.2%, to 11.33 minutes from 10.47 minutes; average speed down 7.5%, to 13.5 mph from 14.6 mph.
- Week of Jan. 10-14, 2005: 7-10am travel time down 6.8%, to 8.47 minutes from 9.09 minutes; average speed up 7.7%, to 18.1 mph from 16.8 mph.
3-7pm travel time down 4.7%, to 9.98 minutes from 10.47 minutes; average speed up 4.8%, to 15.3 mph from 14.6 mph.

Broadway Northbound from 59th Street/Columbus Circle to 110th Street.

- Week of Dec. 6-10, 2004: 7-10am travel time down 0.8%, to 12.77 minutes from 12.87 minutes; average speed up 0.8%, to 12.2 mph from 12.1 mph.
3-7pm travel time up 12.9%, to 15.98 minutes from 14.15 minutes; average speed down 10.9%, to 9.8 mph from 11.0 mph.
- Week of Dec. 13-17, 2004: 7-10am travel time up 10.5%, to 14.22 minutes from 12.87 minutes; average speed down 9.1%, to 11.0 mph from 12.1 mph.
3-7pm travel time up 14.8%, to 16.24 minutes from 14.15 minutes; average speed down 12.7%, to 9.6 mph from 11.0 mph.
- Week of Jan. 10-14, 2005: 7-10am travel time up 10.5%, to 14.22 minutes from 12.87 minutes; average speed down 9.1%, to 11.0 mph from 12.1 mph.
3-7pm travel time up 7.6%, to 15.22 minutes from 14.15 minutes; average speed down 7.3%, to 10.2 mph from 11.0 mph.

Southbound Auto Travel Times and Speeds

Central Park West Drive Southbound from Adam C. Powell Blvd. Entrance to 7th Ave. Exit.

- Week of Dec. 6-10, 2004: 7-10am travel time down 24.0%, to 8.28 minutes from 10.90 minutes; average speed up 31.5%, to 21.7 mph from 16.5 mph.
3-7pm travel time down 13.4%, to 8.31 minutes from 9.60 minutes; average speed up 15.4%, to 21.7 mph from 18.8 mph.
- Week of Dec. 13-17, 2004: 7-10am travel time down 27.3%, to 7.92 minutes from 10.90 minutes; average speed up 37.6%, to 22.7 mph from 16.5 mph.
3-7pm travel time down 18.5%, to 7.82 minutes from 9.60 minutes; average speed up 22.3%, to 23.0 mph from 18.8 mph.
- Week of Jan. 10-14, 2005: 7-10am travel time down 23.5%, to 8.34 minutes from 10.90 minutes; average speed up 30.9%, to 21.6 mph from 16.5 mph.
3-7pm travel time down 12.1%, to 8.44 minutes from



9.60 minutes; average speed up 13.3%, to 21.3 mph from 18.8 mph.

Central Park West Southbound from 110th Street to Broadway.

- Week of Dec. 6-10, 2004: 7-10am travel time up 30.7%, to 12.77 minutes from 9.77 minutes; average speed down 24.0%, to 11.7 mph from 15.4 mph.
3-7pm travel time up 15.5%, to 16.40 minutes from 14.20 minutes; average speed down 14.2%, to 9.1 mph from 10.6 mph.
- Week of Dec. 13-17, 2004: 7-10am travel time up 49.7%, to 14.63 minutes from 9.77 minutes; average speed down 33.1%, to 10.3 mph from 15.4 mph.
3-7pm travel time up 9.6%, to 15.57 minutes from 14.20 minutes; average speed down 9.4%, to 9.6 mph from 10.6 mph.
- Week of Jan. 10-14, 2005: 7-10am travel time up 47.8%, to 14.44 minutes from 9.77 minutes; average speed down 32.5%, to 10.4 mph from 15.4 mph.
3-7pm travel time up 1.6%, to 14.43 minutes from 14.20 minutes; average speed down 1.9%, to 10.4 mph from 10.6 mph.

Columbus Avenue Southbound from 110th Street to 59th Street.

- Week of Dec. 6-10, 2004: 7-10am travel time down 20.4%, to 9.22 minutes from 11.58 minutes; average speed up 25.8%, to 16.6 mph from 13.2 mph.
3-7pm travel time up 1.5%, to 10.18 minutes from 10.03 minutes; average speed down 2.0%, to 15.0 mph from 15.3 mph.
- Week of Dec. 13-17, 2004: 7-10am travel time down 11.2%, to 10.28 minutes from 11.58 minutes; average speed up 12.9%, to 14.9 mph from 13.2 mph.
3-7pm travel time up 15.0%, to 11.53 minutes from 10.03 minutes; average speed down 13.1%, to 13.3 mph from 15.3 mph.
- Week of Jan. 10-14, 2005: 7-10am travel time down 15.1%, to 9.83 minutes from 11.58 minutes; average speed up 18.2%, to 15.6 mph from 13.2 mph.
3-7pm travel time up 4.7%, to 10.50 minutes from

10.03 minutes; average speed down 4.6%, to
14.6 mph from 15.3 mph.

Broadway Southbound from 110th Street to 59th Street.

- Week of Dec. 6-10, 2004: 7-10am travel time down 5.1%, to 14.28 minutes from 15.04 minutes; average speed up 4.8%, to 10.9 mph from 10.4 mph.
3-7pm travel time up 26.4%, to 17.19 minutes from 13.60 minutes; average speed down 20.9%, to 9.1 mph from 11.5 mph.
- Week of Dec. 13-17, 2004: 7-10am travel time down 1.1%, to 14.88 minutes from 15.04 minutes; average speed up 1.0%, to 10.5 mph from 10.4 mph.
3-7pm travel time up 21.3%, to 16.50 minutes from 13.60 minutes; average speed down 17.4%, to 9.5 mph from 11.5 mph.
- Week of Jan. 10-14, 2005: 7-10am travel time up 3.6%, to 15.58 minutes from 15.04 minutes; average speed down 3.8%, to 10.0 mph from 10.4 mph.
3-7pm travel time up 16.9%, to 15.90 minutes from 13.60 minutes; average speed down 14.8%, to 9.8 mph from 11.5 mph.



Appendix III

ATR

Volume Comparison

A.

Park Drive Entrances



Central Park Entrance & Exit Closures

Central Park Entrances ATR Volumes Comparisons

Park Entrance	Time Period	Before	Week 1		Week 2		Week 3		Averages of Three Weeks	
			Dec 6-10 2004	Percent Change	Dec 13-17 2004	Percent Change	Jan 10-14 2005	Percent Change		
East 72nd Street at 5th Avenue	7-10am	1,856	2,144	15.5 %	2,243	20.9 %	1,822	- 1.8 %	2,070	11.5 %
	3-7pm	2,152	3,035	41.0 %	2,970	38.0 %	1,952	- 9.3 %	2,652	23.2 %
East 90th Street at 5th Avenue	7-10am	23	<i>Closed</i>		<i>Closed</i>		<i>Closed</i>		<i>Closed</i>	
	3-7pm	71	<i>Closed</i>		<i>Closed</i>		<i>Closed</i>		<i>Closed</i>	
East 102nd Street at 5th Avenue	7-10am	62	<i>Closed</i>		<i>Closed</i>		<i>Closed</i>		<i>Closed</i>	
	3-7pm	129	<i>Closed</i>		<i>Closed</i>		<i>Closed</i>		<i>Closed</i>	
West 72nd Street at Central Park West	7-10am	1,252	775	- 38.1 %	1,071	- 14.5 %	985	- 21.3 %	944	- 24.6 %
	3-7pm	1,040	971	- 6.6 %	996	- 4.2 %	776	- 25.4 %	914	- 12.1 %
West 77th Street at Central Park West	7-10am	472	<i>Closed</i>		<i>Closed</i>		<i>Closed</i>		<i>Closed</i>	
	3-7pm	345	<i>Closed</i>		<i>Closed</i>		<i>Closed</i>		<i>Closed</i>	
West 85th Street at Central Park West	7-10am	427	322	- 24.6 %	443	3.7 %	336	- 21.3 %	367	- 14.1 %
	3-7pm	187	175	- 6.4 %	206	10.2 %	125	- 33.2 %	169	- 9.6 %
West 90th Street at Central Park West	7-10am	211	<i>Closed</i>		<i>Closed</i>		<i>Closed</i>		<i>Closed</i>	
	3-7pm	120	<i>Closed</i>		<i>Closed</i>		<i>Closed</i>		<i>Closed</i>	
West 96th Street at Central Park West	7-10am	251	190	- 24.3 %	262	4.4 %	218	- 13.1 %	223	- 11.2 %
	3-7pm	164	232	41.5 %	225	37.2 %	157	- 4.3 %	205	25.0 %
West 100th Street at Central Park West	7-10am	522	459	- 12.1 %	502	- 3.8 %	385	- 26.2 %	449	- 14.0 %
	3-7pm	271	242	- 10.7 %	238	- 12.2 %	191	- 29.5 %	224	- 17.3 %
Lenox Avenue at West 110th Street	7-10am	1,013	659	- 34.9 %	764	- 24.6 %	537	- 47.0 %	653	- 35.5 %
	3-7pm	983	1,001	1.8 %	1,109	12.8 %	650	- 33.9 %	920	- 6.4 %
Adam C. Powell Blvd. at West 110th Street	7-10am	1,401	810	- 42.2 %	1,294	- 7.6 %	713	- 49.1 %	939	- 33.0 %
	3-7pm	524	478	- 8.8 %	701	33.8 %	428	- 18.3 %	536	2.3 %

Central Park Entrance at East 72nd Street

Week 1 - Dec. 6-10, 2004					Week 2 - Dec. 13-17, 2004					Week 3 - Jan. 10-14, 2005				
	Before	After	Change	% Chg		Before	After	Change	% Chg		Before	After	Change	% Chg
7-8 am	471	517	46	9.8 %	7-8 am	471	551	80	17.0 %	7-8 am	471	408	- 63	-13.4 %
8-9 am	760	724	- 36	- 4.7 %	8-9 am	760	923	163	21.4 %	8-9 am	760	793	33	4.3 %
9-10 am	625	903	278	44.5 %	9-10 am	625	769	144	23.0 %	9-10 am	625	621	- 4	- 0.6 %
7-10am	1,856	2,144	288	15.5 %	7-10am	1,856	2,243	387	20.9 %	7-10am	1,856	1,822	- 34	- 1.8 %
3-4 pm	574	752	178	31.0 %	3-4 pm	574	701	127	22.1 %	3-4 pm	574	420	- 154	-26.8 %
4-5 pm	539	727	188	34.9 %	4-5 pm	539	679	140	26.0 %	4-5 pm	539	570	31	5.8 %
5-6 pm	564	807	243	43.1 %	5-6 pm	564	800	236	41.8 %	5-6 pm	564	567	3	0.5 %
6-7 pm	475	749	274	57.7 %	6-7 pm	475	790	315	66.3 %	6-7 pm	475	395	- 80	-16.8 %
3-7pm	2,152	3,035	883	41.0 %	3-7pm	2,152	2,970	818	38.0 %	3-7pm	2,152	1,952	- 200	- 9.3 %

Central Park Entrance at West 72nd Street

Week 1 - Dec. 6-10, 2004					Week 2 - Dec. 13-17, 2004					Week 3 - Jan. 10-14, 2005				
	Before	After	Change	% Chg		Before	After	Change	% Chg		Before	After	Change	% Chg
7-8 am	383	217	- 166	-43.3 %	7-8 am	383	330	- 53	-13.8 %	7-8 am	383	307	- 76	-19.8 %
8-9 am	538	250	- 288	-53.5 %	8-9 am	538	405	- 133	-24.7 %	8-9 am	538	379	- 159	-29.6 %
9-10 am	331	308	- 23	- 6.9 %	9-10 am	331	336	5	1.5 %	9-10 am	331	299	- 32	- 9.7 %
7-10am	1,252	775	- 477	-38.1 %	7-10am	1,252	1,071	- 181	-14.5 %	7-10am	1,252	985	- 267	-21.3 %
3-4 pm	272	271	- 1	- 0.4 %	3-4 pm	272	245	- 27	- 9.9 %	3-4 pm	272	215	- 57	-21.0 %
4-5 pm	293	223	- 70	-23.9 %	4-5 pm	293	227	- 66	-22.5 %	4-5 pm	293	196	- 97	-33.1 %
5-6 pm	288	241	- 47	-16.3 %	5-6 pm	288	242	- 46	-16.0 %	5-6 pm	288	200	- 88	-30.6 %
6-7 pm	187	236	49	26.2 %	6-7 pm	187	282	95	50.8 %	6-7 pm	187	165	- 22	-11.8 %
3-7pm	1,040	971	- 69	- 6.6 %	3-7pm	1,040	996	- 44	- 4.2 %	3-7pm	1,040	776	- 264	-25.4 %

Central Park Entrance at West 85th Street

Week 1 - Dec. 6-10, 2004					Week 2 - Dec. 13-17, 2004					Week 3 - Jan. 10-14, 2005				
	Before	After	Change	% Chg		Before	After	Change	% Chg		Before	After	Change	% Chg
7-8 am	124	86	- 38	-30.6 %	7-8 am	124	122	- 2	- 1.6 %	7-8 am	124	87	- 37	-29.8 %
8-9 am	162	131	- 31	-19.1 %	8-9 am	162	180	18	11.1 %	8-9 am	162	137	- 25	-15.4 %
9-10 am	141	105	- 36	-25.5 %	9-10 am	141	141	0	0.0 %	9-10 am	141	112	- 29	-20.6 %
7-10am	427	322	- 105	-24.6 %	7-10am	427	443	16	3.7 %	7-10am	427	336	- 91	-21.3 %
3-4 pm	50	50	0	0.0 %	3-4 pm	50	62	12	24.0 %	3-4 pm	50	33	- 17	-34.0 %
4-5 pm	60	50	- 10	-16.7 %	4-5 pm	60	48	- 12	-20.0 %	4-5 pm	60	33	- 27	-45.0 %
5-6 pm	41	36	- 5	-12.2 %	5-6 pm	41	45	4	9.8 %	5-6 pm	41	31	- 10	-24.4 %
6-7 pm	36	39	3	8.3 %	6-7 pm	36	51	15	41.7 %	6-7 pm	36	28	- 8	-22.2 %
3-7pm	187	175	- 12	- 6.4 %	3-7pm	187	206	19	10.2 %	3-7pm	187	125	- 62	-33.2 %



Central Park Entrance at West 96th Street
(Excludes traffic headed for the eastbound transverse)

Week 1 - Dec. 6-10, 2004					Week 2 - Dec. 13-17, 2004					Week 3 - Jan. 10-14, 2005				
	Before	After	Change	% Chg		Before	After	Change	% Chg		Before	After	Change	% Chg
7-8 am	83	50	- 33	-39.8 %	7-8 am	83	64	- 19	-22.9 %	7-8 am	83	61	- 22	-26.5 %
8-9 am	105	77	- 28	-26.7 %	8-9 am	105	113	8	7.6 %	8-9 am	105	86	- 19	-18.1 %
9-10 am	63	63	0	0.0 %	9-10 am	63	85	22	34.9 %	9-10 am	63	71	8	12.7 %
7-10am	251	190	- 61	-24.3 %	7-10am	251	262	11	4.4 %	7-10am	251	218	- 33	-13.1 %
3-4 pm	49	69	20	40.8 %	3-4 pm	49	61	12	24.5 %	3-4 pm	49	39	- 10	-20.4 %
4-5 pm	43	51	8	18.6 %	4-5 pm	43	59	16	37.2 %	4-5 pm	43	45	2	4.7 %
5-6 pm	42	55	13	31.0 %	5-6 pm	42	52	10	23.8 %	5-6 pm	42	40	- 2	- 4.8 %
6-7 pm	30	57	27	90.0 %	6-7 pm	30	53	23	76.7 %	6-7 pm	30	33	3	10.0 %
3-7pm	164	232	68	41.5 %	3-7pm	164	225	61	37.2 %	3-7pm	164	157	- 7	- 4.3 %

Traffic Volumes Comparisons
Central Park Entrance at West 100th Street

Week 1 - Dec. 6-10, 2004					Week 2 - Dec. 13-17, 2004					Week 3 - Jan. 10-14, 2005				
	Before	After	Change	% Chg		Before	After	Change	% Chg		Before	After	Change	% Chg
7-8 am	156	106	- 50	-32.1 %	7-8 am	156	118	- 38	-24.4 %	7-8 am	156	85	- 71	-45.5 %
8-9 am	224	199	- 25	-11.2 %	8-9 am	224	213	- 11	- 4.9 %	8-9 am	224	178	- 46	-20.5 %
9-10 am	142	154	12	8.5 %	9-10 am	142	171	29	20.4 %	9-10 am	142	122	- 20	-14.1 %
7-10am	522	459	- 63	-12.1 %	7-10am	522	502	- 20	- 3.8 %	7-10am	522	385	- 137	-26.2 %
3-4 pm	74	60	- 14	-18.9 %	3-4 pm	74	67	- 7	- 9.5 %	3-4 pm	74	60	- 14	-18.9 %
4-5 pm	72	65	- 7	- 9.7 %	4-5 pm	72	67	- 5	- 6.9 %	4-5 pm	72	54	- 18	-25.0 %
5-6 pm	72	60	- 12	-16.7 %	5-6 pm	72	58	- 14	-19.4 %	5-6 pm	72	45	- 27	-37.5 %
6-7 pm	53	57	4	7.5 %	6-7 pm	53	46	- 7	-13.2 %	6-7 pm	53	32	- 21	-39.6 %
3-7pm	271	242	- 29	-10.7 %	3-7pm	271	238	- 33	-12.2 %	3-7pm	271	191	- 80	-29.5 %

Traffic Volumes Comparisons
Central Park Entrance at Lenox Avenue

Week 1 - Dec. 6-10, 2004					Week 2 - Dec. 13-17, 2004					Week 3 - Jan. 10-14, 2005				
	Before	After	Change	% Chg		Before	After	Change	% Chg		Before	After	Change	% Chg
7-8 am	280	160	- 120	-42.9 %	7-8 am	280	190	- 90	-32.1 %	7-8 am	280	135	- 145	-51.8 %
8-9 am	417	276	- 141	-33.8 %	8-9 am	417	326	- 91	-21.8 %	8-9 am	417	250	- 167	-40.0 %
9-10 am	316	223	- 93	-29.4 %	9-10 am	316	248	- 68	-21.5 %	9-10 am	316	152	- 164	-51.9 %
7-10am	1,013	659	- 354	-34.9 %	7-10am	1,013	764	- 249	-24.6 %	7-10am	1,013	537	- 476	-47.0 %
3-4 pm	180	227	47	26.1 %	3-4 pm	180	261	81	45.0 %	3-4 pm	180	161	- 19	-10.6 %
4-5 pm	291	276	- 15	- 5.2 %	4-5 pm	291	293	2	0.7 %	4-5 pm	291	188	- 103	-35.4 %
5-6 pm	320	309	- 11	- 3.4 %	5-6 pm	320	323	3	0.9 %	5-6 pm	320	201	- 119	-37.2 %
6-7 pm	192	189	- 3	- 1.6 %	6-7 pm	192	232	40	20.8 %	6-7 pm	192	100	- 92	-47.9 %
3-7pm	983	1,001	18	1.8 %	3-7pm	983	1,109	126	12.8 %	3-7pm	983	650	- 333	-33.9 %

Traffic Volumes Comparisons

Central Park Entrance at Adam Clayton Powell, Jr. Blvd.

Week 1 - Dec. 6-10, 2004

	Before	After	Change	% Chg
7-8 am	460	253	- 207	-45.0 %
8-9 am	633	365	- 268	-42.3 %
9-10 am	308	192	- 116	-37.7 %
7-10am	1,401	810	- 591	-42.2 %
3-4 pm	107	130	23	21.5 %
4-5 pm	140	122	- 18	-12.9 %
5-6 pm	163	132	- 31	-19.0 %
6-7 pm	114	94	- 20	-17.5 %
3-7pm	524	478	- 46	- 8.8 %

Week 2 - Dec. 13-17, 2004

	Before	After	Change	% Chg
7-8 am	460	399	- 61	-13.3 %
8-9 am	633	581	- 52	- 8.2 %
9-10 am	308	314	6	1.9 %
7-10am	1,401	1,294	- 107	- 7.6 %
3-4 pm	107	159	52	48.6 %
4-5 pm	140	193	53	37.9 %
5-6 pm	163	194	31	19.0 %
6-7 pm	114	155	41	36.0 %
3-7pm	524	701	177	33.8 %

Week 3 - Jan. 10-14, 2005

	Before	After	Change	% Chg
7-8 am	460	196	- 264	-57.4 %
8-9 am	633	372	- 261	-41.2 %
9-10 am	308	145	- 163	-52.9 %
7-10am	1,401	713	- 688	-49.1 %
3-4 pm	107	112	5	4.7 %
4-5 pm	140	110	- 30	-21.4 %
5-6 pm	163	128	- 35	-21.5 %
6-7 pm	114	78	- 36	-31.6 %
3-7pm	524	428	- 96	-18.3 %



B.

Park Drive Exits

Central Park Entrance & Exit Closures

Central Park Exits ATR Volumes Comparisons

Park Exit	Time Period	Before	Week 1		Week 2		Week 3		Averages of Three Weeks	
			Dec 6-10 2004	Percent Change	Dec 13-17 2004	Percent Change	Jan 10-14 2005	Percent Change		
East 72nd Street at 5th Avenue	7-10am	764	891	16.6 %	957	25.3 %	732	- 4.2 %	860	12.6 %
	3-7pm	1,334	1,494	12.0 %	1,624	21.7 %	1,563	17.2 %	1,560	16.9 %
East 90th Street at 5th Avenue	7-10am	466	378	- 18.9 %	311	- 33.3 %	N/A		345	- 26.0 %
	3-7pm	649	507	- 21.9 %	426	- 34.4 %	N/A		467	- 28.0 %
East 102nd Street at 5th Avenue	7-10am	62	Closed		Closed		Closed		Closed	
	3-7pm	129	Closed		Closed		Closed		Closed	
West 72nd Street at Central Park West	7-10am	1,371	1,198	- 12.6 %	1,382	0.8 %	1,035	- 24.5 %	1,205	- 12.1 %
	3-7pm	1,725	2,211	28.2 %	2,349	36.2 %	1,925	11.6 %	2,162	25.3 %
Strawberry Field Slip-of to West 72nd Street	7-10am	436	Closed		Closed		Closed		Closed	
	3-7pm	244	Closed		Closed		Closed		Closed	
West 90th Street at Central Park West	7-10am	171	Closed		Closed		Closed		Closed	
	3-7pm	114	Closed		Closed		Closed		Closed	
West 100th Street at Central Park West	7-10am	335	287	- 14.3 %	382	14.0 %	276	- 17.6 %	315	- 6.0 %
	3-7pm	293	289	- 1.4 %	365	24.6 %	299	2.0 %	318	8.5 %
7th Avenue at Central Park South	7-10am	4,033	3,050	- 24.4 %	3,657	- 9.3 %	3,978	- 1.4 %	3,562	- 11.7 %
	3-7pm	2,904	1,977	- 31.9 %	2,532	- 12.8 %	2,754	- 5.2 %	2,421	- 16.6 %
Lenox Avenue at West 110th Street	7-10am	259	273	5.4 %	288	11.2 %	253	- 2.3 %	271	4.6 %
	3-7pm	747	769	2.9 %	753	0.8 %	652	- 12.7 %	725	- 2.9 %
Adam C. Powell Blvd. at West 110th Street	7-10am	190	141	- 25.8 %	131	- 31.1 %	103	- 45.8 %	125	- 34.2 %
	3-7pm	801	664	- 17.1 %	665	- 17.0 %	618	- 22.8 %	649	- 19.0 %



Central Park Exit at 7th Avenue/Central Park South

Week 1 - Dec. 6-10, 2004

	Before	After	Change	% Chg
7-8 am	1,089	745	- 344	-31.6 %
8-9 am	1,555	1,188	- 367	-23.6 %
9-10 am	1,389	1,117	- 272	-19.6 %
7-10am	4,033	3,050	- 983	-24.4 %
3-4 pm	639	476	- 163	-25.5 %
4-5 pm	779	483	- 296	-38.0 %
5-6 pm	823	518	- 305	-37.1 %
6-7 pm	663	500	- 163	-24.6 %
3-7pm	2,904	1,977	- 927	-31.9 %

Week 2 - Dec. 13-17, 2004

	Before	After	Change	% Chg
7-8 am	1,089	995	- 94	- 8.6 %
8-9 am	1,555	1,438	- 117	- 7.5 %
9-10 am	1,389	1,224	- 165	-11.9 %
7-10am	4,033	3,657	- 376	- 9.3 %
3-4 pm	639	562	- 77	-12.1 %
4-5 pm	779	572	- 207	-26.6 %
5-6 pm	823	688	- 135	-16.4 %
6-7 pm	663	710	47	7.1 %
3-7pm	2,904	2,532	- 372	-12.8 %

Week 3 - Jan. 10-14, 2005

	Before	After	Change	% Chg
7-8 am	1,089	877	- 212	-19.5 %
8-9 am	1,555	1,665	110	7.1 %
9-10 am	1,389	1,436	47	3.4 %
7-10am	4,033	3,978	- 55	- 1.4 %
3-4 pm	639	580	- 59	- 9.2 %
4-5 pm	779	745	- 34	- 4.4 %
5-6 pm	823	786	- 37	- 4.5 %
6-7 pm	663	643	- 20	- 3.0 %
3-7pm	2,904	2,754	- 150	- 5.2 %

Central Park Exit at Adam Clayton Powell, Jr. Blvd.

Week 1 - Dec. 6-10, 2004

	Before	After	Change	% Chg
7-8 am	31	25	- 6	-19.4 %
8-9 am	89	67	- 22	-24.7 %
9-10 am	70	49	- 21	-30.0 %
7-10am	190	141	- 49	-25.8 %
3-4 pm	119	117	- 2	- 1.7 %
4-5 pm	213	129	- 84	-39.4 %
5-6 pm	268	221	- 47	-17.5 %
6-7 pm	201	197	- 4	- 2.0 %
3-7pm	801	664	- 137	-17.1 %

Week 2 - Dec. 13-17, 2004

	Before	After	Change	% Chg
7-8 am	31	23	- 8	-25.8 %
8-9 am	89	56	- 33	-37.1 %
9-10 am	70	52	- 18	-25.7 %
7-10am	190	131	- 59	-31.1 %
3-4 pm	119	99	- 20	-16.8 %
4-5 pm	213	150	- 63	-29.6 %
5-6 pm	268	209	- 59	-22.0 %
6-7 pm	201	207	6	3.0 %
3-7pm	801	665	- 136	-17.0 %

Week 3 - Jan. 10-14, 2005

	Before	After	Change	% Chg
7-8 am	31	17	- 14	-45.2 %
8-9 am	89	49	- 40	-44.9 %
9-10 am	70	37	- 33	-47.1 %
7-10am	190	103	- 87	-45.8 %
3-4 pm	119	83	- 36	-30.3 %
4-5 pm	213	158	- 55	-25.8 %
5-6 pm	268	211	- 57	-21.3 %
6-7 pm	201	166	- 35	-17.4 %
3-7pm	801	618	- 183	-22.8 %

Central Park Exit at East 72nd Street

Week 1 - Dec. 6-10, 2004

	Before	After	Change	% Chg
7-8 am	181	235	54	29.8 %
8-9 am	294	344	50	17.0 %
9-10 am	289	312	23	8.0 %
7-10am	764	891	127	16.6 %
3-4 pm	367	365	- 2	- 0.5 %
4-5 pm	321	345	24	7.5 %
5-6 pm	337	380	43	12.8 %
6-7 pm	309	404	95	30.7 %
3-7pm	1,334	1,494	160	12.0 %

Week 2 - Dec. 13-17, 2004

	Before	After	Change	% Chg
7-8 am	181	230	49	27.1 %
8-9 am	294	388	94	32.0 %
9-10 am	289	339	50	17.3 %
7-10am	764	957	193	25.3 %
3-4 pm	367	366	- 1	- 0.3 %
4-5 pm	321	392	71	22.1 %
5-6 pm	337	414	77	22.8 %
6-7 pm	309	452	143	46.3 %
3-7pm	1,334	1,624	290	21.7 %

Week 3 - Jan. 10-14, 2005

	Before	After	Change	% Chg
7-8 am	181	117	- 64	-35.4 %
8-9 am	294	307	13	4.4 %
9-10 am	289	308	19	6.6 %
7-10am	764	732	- 32	- 4.2 %
3-4 pm	367	358	- 9	- 2.5 %
4-5 pm	321	370	49	15.3 %
5-6 pm	337	421	84	24.9 %
6-7 pm	309	414	105	34.0 %
3-7pm	1,334	1,563	229	17.2 %

Central Park Exit at East 90th Street

Week 1 - Dec. 6-10, 2004					Week 2 - Dec. 13-17, 2004					Week 3 - Jan. 10-14, 2005				
	Before	After	Change	% Chg		Before	After	Change	% Chg		Before	After	Change	% Chg
7-8 am	115	101	- 14	-12.2 %	7-8 am	115	84	- 31	-27.0 %	7-8 am	115			
8-9 am	182	144	- 38	-20.9 %	8-9 am	182	124	- 58	-31.9 %	8-9 am	182			
9-10 am	169	133	- 36	-21.3 %	9-10 am	169	103	- 66	-39.1 %	9-10 am	169			
7-10am	466	378	- 88	-18.9 %	7-10am	466	311	- 155	-33.3 %	7-10am	466	0	0	-100.0 %
3-4 pm	142	120	- 22	-15.5 %	3-4 pm	142	104	- 38	-26.8 %	3-4 pm	142			
4-5 pm	164	127	- 37	-22.6 %	4-5 pm	164	93	- 71	-43.3 %	4-5 pm	164			
5-6 pm	182	134	- 48	-26.4 %	5-6 pm	182	111	- 71	-39.0 %	5-6 pm	182			
6-7 pm	161	126	- 35	-21.7 %	6-7 pm	161	118	- 43	-26.7 %	6-7 pm	161			
3-7pm	649	507	- 142	-21.9 %	3-7pm	649	426	- 223	-34.4 %	3-7pm	649	0	0	-100.0 %

Central Park Exit at West 72nd Street

Week 1 - Dec. 6-10, 2004					Week 2 - Dec. 13-17, 2004					Week 3 - Jan. 10-14, 2005					
Appears Closed per TDM Note															
	Before	After	Change	% Chg		Before	After	Change	% Chg		Before	After	Change	% Chg	
7-8 am	308	277	- 31	-10.1 %	7-8 am	308	343	35	11.4 %	7-8 am	308	217	- 91	-29.5 %	
8-9 am	647	478	- 169	-26.1 %	8-9 am	647	574	- 73	-11.3 %	8-9 am	647	484	- 163	-25.2 %	
9-10 am	416	443	27	6.5 %	9-10 am	416	465	49	11.8 %	9-10 am	416	334	- 82	-19.7 %	
7-10am	1,371	1,198	- 173	-12.6 %	7-10am	1,371	1,382	11	0.8 %	7-10am	1,371	1,035	- 336	-24.5 %	
3-4 pm	410	546	136	33.2 %	3-4 pm	410	582	172	42.0 %	3-4 pm	410	405	- 5	- 1.2 %	
4-5 pm	401	539	138	34.4 %	4-5 pm	401	521	120	29.9 %	4-5 pm	401	513	112	27.9 %	
5-6 pm	502	591	89	17.7 %	5-6 pm	502	597	95	18.9 %	5-6 pm	502	544	42	8.4 %	
6-7 pm	412	535	123	29.9 %	6-7 pm	412	649	237	57.5 %	6-7 pm	412	463	51	12.4 %	
3-7pm	1,725	2,211	486	28.2 %	3-7pm	1,725	2,349	624	36.2 %	3-7pm	1,725	1,925	200	11.6 %	

Central Park Exit at West 100th Street

Week 1 - Dec. 6-10, 2004					Week 2 - Dec. 13-17, 2004					Week 3 - Jan. 10-14, 2005				
	Before	After	Change	% Chg		Before	After	Change	% Chg		Before	After	Change	% Chg
7-8 am	98	81	- 17	-17.3 %	7-8 am	98	100	2	2.0 %	7-8 am	98	79	- 19	-19.4 %
8-9 am	160	155	- 5	- 3.1 %	8-9 am	160	200	40	25.0 %	8-9 am	160	150	- 10	- 6.3 %
9-10 am	77	51	- 26	-33.8 %	9-10 am	77	82	5	6.5 %	9-10 am	77	47	- 30	-39.0 %
7-10am	335	287	- 48	-14.3 %	7-10am	335	382	47	14.0 %	7-10am	335	276	- 59	-17.6 %
3-4 pm	54	77	23	42.6 %	3-4 pm	54	104	50	92.6 %	3-4 pm	54	72	18	33.3 %
4-5 pm	76	73	- 3	- 3.9 %	4-5 pm	76	88	12	15.8 %	4-5 pm	76	70	- 6	- 7.9 %
5-6 pm	98	85	- 13	-13.3 %	5-6 pm	98	100	2	2.0 %	5-6 pm	98	98	0	0.0 %
6-7 pm	65	54	- 11	-16.9 %	6-7 pm	65	73	8	12.3 %	6-7 pm	65	59	- 6	- 9.2 %
3-7pm	293	289	- 4	- 1.4 %	3-7pm	293	365	72	24.6 %	3-7pm	293	299	6	2.0 %



Central Park Exit at Lenox Avenue

Week 1 - Dec. 6-10, 2004

	Before	After	Change	% Chg
7-8 am	50	69	19	38.0 %
8-9 am	104	97	- 7	- 6.7 %
9-10 am	105	107	2	1.9 %
7-10am	259	273	14	5.4 %
3-4 pm	204	221	17	8.3 %
4-5 pm	188	207	19	10.1 %
5-6 pm	214	198	- 16	- 7.5 %
6-7 pm	141	143	2	1.4 %
3-7pm	747	769	22	2.9 %

Week 2 - Dec. 13-17, 2004

	Before	After	Change	% Chg
7-8 am	50	68	18	36.0 %
8-9 am	104	107	3	2.9 %
9-10 am	105	113	8	7.6 %
7-10am	259	288	29	11.2 %
3-4 pm	204	208	4	2.0 %
4-5 pm	188	198	10	5.3 %
5-6 pm	214	192	- 22	-10.3 %
6-7 pm	141	155	14	9.9 %
3-7pm	747	753	6	0.8 %

Week 3 - Jan. 10-14, 2005

	Before	After	Change	% Chg
7-8 am	50	40	- 10	-20.0 %
8-9 am	104	105	1	1.0 %
9-10 am	105	108	3	2.9 %
7-10am	259	253	- 6	- 2.3 %
3-4 pm	204	130	- 74	-36.3 %
4-5 pm	188	203	15	8.0 %
5-6 pm	214	185	- 29	-13.6 %
6-7 pm	141	134	- 7	- 5.0 %
3-7pm	747	652	- 95	-12.7 %

C.

Southbound Roadways



Central Park Entrance & Exit Closures

Southbound ATR Volumes Comparisons

Southbound Thoroughfare	Time Period	Before	Week 1		Week 2		Week 3		Averages of Three Weeks	
			Dec 6-10 2004	Percent Change	Dec 13-17 2004	Percent Change	Jan 10-14 2005	Percent Change		
Central Park West Drive Southbound at Tavern on The Green	7-10am	4,521	3,552	- 21.4 %	4,403	- 2.6 %	4,277	- 5.4 %	4,077	- 9.8 %
	3-7pm	3,511	2,969	- 15.4 %	3,881	10.5 %	3,064	- 12.7 %	3,305	- 5.9 %
Central Park West Drive Southbound between 102-103 Streets	7-10am	2,299	1,436	- 37.5 %	1,720	- 25.2 %	1,472	- 36.0 %	1,543	- 32.9 %
	3-7pm	1,546	1,476	- 4.5 %	1,694	9.6 %	1,242	- 19.7 %	1,471	- 4.9 %
Fifth Avenue Southbound between East 62-63 Streets	7-10am	4,762	4,305	- 9.6 %	4,287	- 10.0 %	4,379	- 8.0 %	4,324	- 9.2 %
	3-7pm	4,829	3,475	- 28.0 %	4,362	- 9.7 %	5,508	14.1 %	4,448	- 7.9 %
Fifth Avenue Southbound between East 95-96 Streets	7-10am	2,522	2,834	12.4 %	2,721	7.9 %	2,516	- 0.2 %	2,690	6.7 %
	3-7pm	3,104	3,405	9.7 %	3,495	12.6 %	3,101	- 0.1 %	3,334	7.4 %
Central Park West Southbound between West 62-63 Streets	7-10am	946	1,028	8.7 %	976	3.2 %	906	- 4.2 %	970	2.5 %
	3-7pm	1,384	1,427	3.1 %	1,380	- 0.3 %	1,136	- 17.9 %	1,314	- 5.1 %
Central Park West Southbound between West 86-87 Streets	7-10am	2,323	1,999	- 13.9 %	2,024	- 12.9 %	1,933	- 16.8 %	1,985	- 14.6 %
	3-7pm	2,282	1,914	- 16.1 %	2,033	- 10.9 %	1,995	- 12.6 %	1,981	- 13.2 %
Central Park West Southbound between West 95-96 Streets	7-10am	1,791	1,869	4.4 %	1,770	- 1.2 %	1,791	0.0 %	1,810	1.1 %
	3-7pm	1,788	1,745	- 2.4 %	1,838	2.8 %	1,808	1.1 %	1,797	0.5 %
Columbus Avenue Southbound between West 62-63 Streets	7-10am	4,163	4,120	- 1.0 %	4,005	- 3.8 %	3,954	- 5.0 %	4,026	- 3.3 %
	3-7pm	5,047	5,127	1.6 %	5,045	- 0.0 %	4,904	- 2.8 %	5,025	- 0.4 %
Columbus Avenue Southbound between West 86-87 Streets	7-10am	4,518	4,767	5.5 %	4,032	- 10.8 %	4,073	- 9.8 %	4,291	- 5.0 %
	3-7pm	4,686	4,856	3.6 %	4,306	- 8.1 %	4,185	- 10.7 %	4,449	- 5.1 %
Columbus Avenue Southbound between West 95-96 Streets	7-10am	3,798	3,650	- 3.9 %	3,667	- 3.4 %	3,747	- 1.3 %	3,688	- 2.9 %
	3-7pm	3,728	3,545	- 4.9 %	3,713	- 0.4 %	3,821	2.5 %	3,693	- 0.9 %
Broadway Southbound between West 62-63 Streets	7-10am	3,175	3,192	0.5 %	3,167	- 0.3 %	3,289	3.6 %	3,216	1.3 %
	3-7pm	3,602	3,293	- 8.6 %	3,393	- 5.8 %	3,762	4.4 %	3,483	- 3.3 %
Broadway Southbound between West 86-87 Streets	7-10am	2,499	2,416	- 3.3 %	2,411	- 3.5 %	2,254	- 9.8 %	2,360	- 5.6 %
	3-7pm	3,344	3,442	2.9 %	3,599	7.6 %	3,327	- 0.5 %	3,456	3.3 %
Broadway Southbound between West 95-96 Streets	7-10am	2,330	2,126	- 8.8 %	2,357	1.2 %	2,130	- 8.6 %	2,204	- 5.4 %
	3-7pm	2,950	3,060	3.7 %	3,264	10.6 %	3,015	2.2 %	3,113	5.5 %

Central Park West Drive at Tavern on the Green

Week 1 - Dec. 6-10, 2004					Week 2 - Dec. 13-17, 2004					Week 3 - Jan. 10-14, 2005				
	Before	After	Change	% Chg		Before	After	Change	% Chg		Before	After	Change	% Chg
7-8 am	1,191	887	- 304	-25.5 %	7-8 am	1,191	1,178	- 13	- 1.1 %	7-8 am	1,191	1,040	- 151	-12.7 %
8-9 am	1,770	1,379	- 391	-22.1 %	8-9 am	1,770	1,750	- 20	- 1.1 %	8-9 am	1,770	1,795	25	1.4 %
9-10 am	1,560	1,286	- 274	-17.6 %	9-10 am	1,560	1,475	- 85	- 5.4 %	9-10 am	1,560	1,442	- 118	- 7.6 %
7-10am	4,521	3,552	- 969	-21.4 %	7-10am	4,521	4,403	- 118	- 2.6 %	7-10am	4,521	4,277	- 244	- 5.4 %
3-4 pm	824	734	- 90	-10.9 %	3-4 pm	824	892	68	8.3 %	3-4 pm	824	716	- 108	-13.1 %
4-5 pm	960	737	- 223	-23.2 %	4-5 pm	960	902	- 58	- 6.0 %	4-5 pm	960	822	- 138	-14.4 %
5-6 pm	988	764	- 224	-22.7 %	5-6 pm	988	1,040	52	5.3 %	5-6 pm	988	856	- 132	-13.4 %
6-7 pm	739	734	- 5	- 0.7 %	6-7 pm	739	1,047	308	41.7 %	6-7 pm	739	670	- 69	- 9.3 %
3-7pm	3,511	2,969	- 542	-15.4 %	3-7pm	3,511	3,881	370	10.5 %	3-7pm	3,511	3,064	- 447	-12.7 %

Central Park West Drive at 102-103 Streets

Week 1 - Dec. 6-10, 2004					Week 2 - Dec. 13-17, 2004					Week 3 - Jan. 10-14, 2005				
	Before	After	Change	% Chg		Before	After	Change	% Chg		Before	After	Change	% Chg
7-8 am	705	391	- 314	-44.5 %	7-8 am	705	458	- 247	-35.0 %	7-8 am	705	379	- 326	-46.2 %
8-9 am	1,002	641	- 361	-36.0 %	8-9 am	1,002	767	- 235	-23.5 %	8-9 am	1,002	719	- 283	-28.2 %
9-10 am	592	404	- 188	-31.8 %	9-10 am	592	495	- 97	-16.4 %	9-10 am	592	374	- 218	-36.8 %
7-10am	2,299	1,436	- 863	-37.5 %	7-10am	2,299	1,720	- 579	-25.2 %	7-10am	2,299	1,472	- 827	-36.0 %
3-4 pm	319	364	45	14.1 %	3-4 pm	319	416	97	30.4 %	3-4 pm	319	310	- 9	- 2.8 %
4-5 pm	437	394	- 43	- 9.8 %	4-5 pm	437	432	- 5	- 1.1 %	4-5 pm	437	332	- 105	-24.0 %
5-6 pm	474	433	- 41	- 8.6 %	5-6 pm	474	479	5	1.1 %	5-6 pm	474	378	- 96	-20.3 %
6-7 pm	316	285	- 31	- 9.8 %	6-7 pm	316	367	51	16.1 %	6-7 pm	316	222	- 94	-29.7 %
3-7pm	1,546	1,476	- 70	- 4.5 %	3-7pm	1,546	1,694	148	9.6 %	3-7pm	1,546	1,242	- 304	-19.7 %

5th Avenue Southbound between East 62-63 Streets

Week 1 - Dec. 6-10, 2004					Week 2 - Dec. 13-17, 2004					Week 3 - Jan. 10-14, 2005				
	Before	After	Change	% Chg		Before	After	Change	% Chg		Before	After	Change	% Chg
7-8 am	1,795	1,705	- 90	- 5.0 %	7-8 am	1,795	1,578	- 217	-12.1 %	7-8 am	1,795	1,592	- 203	-11.3 %
8-9 am	1,556	1,406	- 150	- 9.6 %	8-9 am	1,556	1,458	- 98	- 6.3 %	8-9 am	1,556	1,471	- 85	- 5.5 %
9-10 am	1,411	1,194	- 217	-15.4 %	9-10 am	1,411	1,251	- 160	-11.3 %	9-10 am	1,411	1,316	- 95	- 6.7 %
7-10am	4,762	4,305	- 457	- 9.6 %	7-10am	4,762	4,287	- 475	-10.0 %	7-10am	4,762	4,379	- 383	- 8.0 %
3-4 pm	1,323	941	- 382	-28.9 %	3-4 pm	1,323	1,077	- 246	-18.6 %	3-4 pm	1,323	1,323	0	0.0 %
4-5 pm	1,174	766	- 408	-34.8 %	4-5 pm	1,174	1,036	- 138	-11.8 %	4-5 pm	1,174	1,315	141	12.0 %
5-6 pm	1,077	784	- 293	-27.2 %	5-6 pm	1,077	1,011	- 66	- 6.1 %	5-6 pm	1,077	1,355	278	25.8 %
6-7 pm	1,255	984	- 271	-21.6 %	6-7 pm	1,255	1,238	- 17	- 1.4 %	6-7 pm	1,255	1,515	260	20.7 %
3-7pm	4,829	3,475	-1,354	-28.0 %	3-7pm	4,829	4,362	- 467	- 9.7 %	3-7pm	4,829	5,508	679	14.1 %



5th Avenue Southbound between East 95-96 Streets

Week 1 - Dec. 6-10, 2004

	Before	After	Change	% Chg
7-8 am	926	1,036	110	11.9 %
8-9 am	811	921	110	13.6 %
9-10 am	785	877	92	11.7 %
7-10am	2,522	2,834	312	12.4 %
3-4 pm	710	772	62	8.7 %
4-5 pm	746	819	73	9.8 %
5-6 pm	811	923	112	13.8 %
6-7 pm	837	891	54	6.5 %
3-7pm	3,104	3,405	301	9.7 %

Week 2 - Dec. 13-17, 2004

	Before	After	Change	% Chg
7-8 am	926	979	53	5.7 %
8-9 am	811	891	80	9.9 %
9-10 am	785	851	66	8.4 %
7-10am	2,522	2,721	199	7.9 %
3-4 pm	710	760	50	7.0 %
4-5 pm	746	863	117	15.7 %
5-6 pm	811	954	143	17.6 %
6-7 pm	837	918	81	9.7 %
3-7pm	3,104	3,495	391	12.6 %

Week 3 - Jan. 10-14, 2005

	Before	After	Change	% Chg
7-8 am	926	867	- 59	- 6.4 %
8-9 am	811	850	39	4.8 %
9-10 am	785	799	14	1.8 %
7-10am	2,522	2,516	- 6	- 0.2 %
3-4 pm	710	734	24	3.4 %
4-5 pm	746	747	1	0.1 %
5-6 pm	811	810	- 1	- 0.1 %
6-7 pm	837	810	- 27	- 3.2 %
3-7pm	3,104	3,101	- 3	- 0.1 %

Central Park West Southbound between West 62-63 Streets

Week 1 - Dec. 6-10, 2004

	Before	After	Change	% Chg
7-8 am	221	248	27	12.2 %
8-9 am	387	375	- 12	- 3.1 %
9-10 am	338	405	67	19.8 %
7-10am	946	1,028	82	8.7 %
3-4 pm	393	353	- 40	-10.2 %
4-5 pm	288	365	77	26.7 %
5-6 pm	335	373	38	11.3 %
6-7 pm	368	336	- 32	- 8.7 %
3-7pm	1,384	1,427	43	3.1 %

Week 2 - Dec. 13-17, 2004

	Before	After	Change	% Chg
7-8 am	221	218	- 3	- 1.4 %
8-9 am	387	388	1	0.3 %
9-10 am	338	370	32	9.5 %
7-10am	946	976	30	3.2 %
3-4 pm	393	361	- 32	- 8.1 %
4-5 pm	288	310	22	7.6 %
5-6 pm	335	347	12	3.6 %
6-7 pm	368	362	- 6	- 1.6 %
3-7pm	1,384	1,380	- 4	- 0.3 %

Week 3 - Jan. 10-14, 2005

	Before	After	Change	% Chg
7-8 am	221	211	- 10	- 4.5 %
8-9 am	387	340	- 47	-12.1 %
9-10 am	338	355	17	5.0 %
7-10am	946	906	- 40	- 4.2 %
3-4 pm	393	288	- 105	-26.7 %
4-5 pm	288	288	0	0.0 %
5-6 pm	335	276	- 59	-17.6 %
6-7 pm	368	284	- 84	-22.8 %
3-7pm	1,384	1,136	- 248	-17.9 %

Central Park West Southbound between West 86-87 Streets

Week 1 - Dec. 6-10, 2004

	Before	After	Change	% Chg
7-8 am	732	586	- 146	-19.9 %
8-9 am	839	758	- 81	- 9.7 %
9-10 am	752	655	- 97	-12.9 %
7-10am	2,323	1,999	- 324	-13.9 %
3-4 pm	602	508	- 94	-15.6 %
4-5 pm	599	469	- 130	-21.7 %
5-6 pm	561	501	- 60	-10.7 %
6-7 pm	520	436	- 84	-16.2 %
3-7pm	2,282	1,914	- 368	-16.1 %

Week 2 - Dec. 13-17, 2004

	Before	After	Change	% Chg
7-8 am	732	589	- 143	-19.5 %
8-9 am	839	784	- 55	- 6.6 %
9-10 am	752	651	- 101	-13.4 %
7-10am	2,323	2,024	- 299	-12.9 %
3-4 pm	602	570	- 32	- 5.3 %
4-5 pm	599	454	- 145	-24.2 %
5-6 pm	561	516	- 45	- 8.0 %
6-7 pm	520	493	- 27	- 5.2 %
3-7pm	2,282	2,033	- 249	-10.9 %

Week 3 - Jan. 10-14, 2005

	Before	After	Change	% Chg
7-8 am	732	581	- 151	-20.6 %
8-9 am	839	744	- 95	-11.3 %
9-10 am	752	608	- 144	-19.1 %
7-10am	2,323	1,933	- 390	-16.8 %
3-4 pm	602	572	- 30	- 5.0 %
4-5 pm	599	491	- 108	-18.0 %
5-6 pm	561	487	- 74	-13.2 %
6-7 pm	520	445	- 75	-14.4 %
3-7pm	2,282	1,995	- 287	-12.6 %

Central Park West Southbound between West 95-96 Streets

Week 1 - Dec. 6-10, 2004					Week 2 - Dec. 13-17, 2004					Week 3 - Jan. 10-14, 2005				
	Before	After	Change	% Chg		Before	After	Change	% Chg		Before	After	Change	% Chg
7-8 am	589	563	- 26	- 4.4 %	7-8 am	589	569	- 20	- 3.4 %	7-8 am	589	552	- 37	- 6.3 %
8-9 am	675	724	49	7.3 %	8-9 am	675	679	4	0.6 %	8-9 am	675	683	8	1.2 %
9-10 am	527	582	55	10.4 %	9-10 am	527	522	- 5	- 0.9 %	9-10 am	527	556	29	5.5 %
7-10am	1,791	1,869	78	4.4 %	7-10am	1,791	1,770	- 21	- 1.2 %	7-10am	1,791	1,791	0	0.0 %
3-4 pm	458	491	33	7.2 %	3-4 pm	458	425	- 33	- 7.2 %	3-4 pm	458	489	31	6.8 %
4-5 pm	425	417	- 8	- 1.9 %	4-5 pm	425	439	14	3.3 %	4-5 pm	425	420	- 5	- 1.2 %
5-6 pm	481	450	- 31	- 6.4 %	5-6 pm	481	484	3	0.6 %	5-6 pm	481	483	2	0.4 %
6-7 pm	424	387	- 37	- 8.7 %	6-7 pm	424	490	66	15.6 %	6-7 pm	424	416	- 8	- 1.9 %
3-7pm	1,788	1,745	- 43	- 2.4 %	3-7pm	1,788	1,838	50	2.8 %	3-7pm	1,788	1,808	20	1.1 %

Columbus Avenue Southbound between West 62-63 Streets

Week 1 - Dec. 6-10, 2004					Week 2 - Dec. 13-17, 2004					Week 3 - Jan. 10-14, 2005				
	Before	After	Change	% Chg		Before	After	Change	% Chg		Before	After	Change	% Chg
7-8 am	1,300	1,230	- 70	- 5.4 %	7-8 am	1,300	1,212	- 88	- 6.8 %	7-8 am	1,300	1,184	- 116	- 8.9 %
8-9 am	1,501	1,513	12	0.8 %	8-9 am	1,501	1,445	- 56	- 3.7 %	8-9 am	1,501	1,432	- 69	- 4.6 %
9-10 am	1,362	1,377	15	1.1 %	9-10 am	1,362	1,348	- 14	- 1.0 %	9-10 am	1,362	1,338	- 24	- 1.8 %
7-10am	4,163	4,120	- 43	- 1.0 %	7-10am	4,163	4,005	- 158	- 3.8 %	7-10am	4,163	3,954	- 209	- 5.0 %
3-4 pm	1,289	1,265	- 24	- 1.9 %	3-4 pm	1,289	1,257	- 32	- 2.5 %	3-4 pm	1,289	1,225	- 64	- 5.0 %
4-5 pm	1,198	1,189	- 9	- 0.8 %	4-5 pm	1,198	1,143	- 55	- 4.6 %	4-5 pm	1,198	1,155	- 43	- 3.6 %
5-6 pm	1,233	1,280	47	3.8 %	5-6 pm	1,233	1,261	28	2.3 %	5-6 pm	1,233	1,183	- 50	- 4.1 %
6-7 pm	1,327	1,393	66	5.0 %	6-7 pm	1,327	1,384	57	4.3 %	6-7 pm	1,327	1,341	14	1.1 %
3-7pm	5,047	5,127	80	1.6 %	3-7pm	5,047	5,045	- 2	- 0.0 %	3-7pm	5,047	4,904	- 143	- 2.8 %

Columbus Avenue Southbound between West 86-87 Streets

Week 1 - Dec. 6-10, 2004					Week 2 - Dec. 13-17, 2004					Week 3 - Jan. 10-14, 2005				
	Before	After	Change	% Chg		Before	After	Change	% Chg		Before	After	Change	% Chg
7-8 am	1,564	1,528	- 36	- 2.3 %	7-8 am	1,564	1,350	- 214	-13.7 %	7-8 am	1,564	1,240	- 324	-20.7 %
8-9 am	1,656	1,903	247	14.9 %	8-9 am	1,656	1,563	- 93	- 5.6 %	8-9 am	1,656	1,653	- 3	- 0.2 %
9-10 am	1,298	1,336	38	2.9 %	9-10 am	1,298	1,119	- 179	-13.8 %	9-10 am	1,298	1,180	- 118	- 9.1 %
7-10am	4,518	4,767	249	5.5 %	7-10am	4,518	4,032	- 486	-10.8 %	7-10am	4,518	4,073	- 445	- 9.8 %
3-4 pm	1,260	1,313	53	4.2 %	3-4 pm	1,260	1,092	- 168	-13.3 %	3-4 pm	1,260	1,140	- 120	- 9.5 %
4-5 pm	1,112	1,140	28	2.5 %	4-5 pm	1,112	1,000	- 112	-10.1 %	4-5 pm	1,112	1,017	- 95	- 8.5 %
5-6 pm	1,164	1,238	74	6.4 %	5-6 pm	1,164	1,063	- 101	- 8.7 %	5-6 pm	1,164	1,034	- 130	-11.2 %
6-7 pm	1,150	1,165	15	1.3 %	6-7 pm	1,150	1,151	1	0.1 %	6-7 pm	1,150	994	- 156	-13.6 %
3-7pm	4,686	4,856	170	3.6 %	3-7pm	4,686	4,306	- 380	- 8.1 %	3-7pm	4,686	4,185	- 501	-10.7 %



Columbus Avenue Southbound between West 95-96 Streets

Week 1 - Dec. 6-10, 2004					Week 2 - Dec. 13-17, 2004					Week 3 - Jan. 10-14, 2005				
	Before	After	Change	% Chg		Before	After	Change	% Chg		Before	After	Change	% Chg
7-8 am	1,196	1,145	- 51	- 4.3 %	7-8 am	1,196	1,120	- 76	- 6.4 %	7-8 am	1,196	1,148	- 48	- 4.0 %
8-9 am	1,511	1,472	- 39	- 2.6 %	8-9 am	1,511	1,510	- 1	- 0.1 %	8-9 am	1,511	1,526	15	1.0 %
9-10 am	1,091	1,033	- 58	- 5.3 %	9-10 am	1,091	1,037	- 54	- 4.9 %	9-10 am	1,091	1,073	- 18	- 1.6 %
7-10am	3,798	3,650	- 148	- 3.9 %	7-10am	3,798	3,667	- 131	- 3.4 %	7-10am	3,798	3,747	- 51	- 1.3 %
3-4 pm	964	952	- 12	- 1.2 %	3-4 pm	964	936	- 28	- 2.9 %	3-4 pm	964	1,030	66	6.8 %
4-5 pm	909	831	- 78	- 8.6 %	4-5 pm	909	858	- 51	- 5.6 %	4-5 pm	909	932	23	2.5 %
5-6 pm	961	927	- 34	- 3.5 %	5-6 pm	961	978	17	1.8 %	5-6 pm	961	982	21	2.2 %
6-7 pm	894	835	- 59	- 6.6 %	6-7 pm	894	941	47	5.3 %	6-7 pm	894	877	- 17	- 1.9 %
3-7pm	3,728	3,545	- 183	- 4.9 %	3-7pm	3,728	3,713	- 15	- 0.4 %	3-7pm	3,728	3,821	93	2.5 %

Broadway Southbound between West 62-63 Streets

Week 1 - Dec. 6-10, 2004					Week 2 - Dec. 13-17, 2004					Week 3 - Jan. 10-14, 2005				
	Before	After	Change	% Chg		Before	After	Change	% Chg		Before	After	Change	% Chg
7-8 am	978	1,009	31	3.2 %	7-8 am	978	993	15	1.5 %	7-8 am	978	973	- 5	- 0.5 %
8-9 am	1,126	1,117	- 9	- 0.8 %	8-9 am	1,126	1,083	- 43	- 3.8 %	8-9 am	1,126	1,154	28	2.5 %
9-10 am	1,071	1,066	- 5	- 0.5 %	9-10 am	1,071	1,091	20	1.9 %	9-10 am	1,071	1,162	91	8.5 %
7-10am	3,175	3,192	17	0.5 %	7-10am	3,175	3,167	- 8	- 0.3 %	7-10am	3,175	3,289	114	3.6 %
3-4 pm	887	805	- 82	- 9.2 %	3-4 pm	887	859	- 28	- 3.2 %	3-4 pm	887	923	36	4.1 %
4-5 pm	832	803	- 29	- 3.5 %	4-5 pm	832	769	- 63	- 7.6 %	4-5 pm	832	873	41	4.9 %
5-6 pm	880	856	- 24	- 2.7 %	5-6 pm	880	856	- 24	- 2.7 %	5-6 pm	880	946	66	7.5 %
6-7 pm	1,003	829	- 174	-17.3 %	6-7 pm	1,003	909	- 94	- 9.4 %	6-7 pm	1,003	1,020	17	1.7 %
3-7pm	3,602	3,293	- 309	- 8.6 %	3-7pm	3,602	3,393	- 209	- 5.8 %	3-7pm	3,602	3,762	160	4.4 %

Broadway Southbound between West 86-87 Streets

Week 1 - Dec. 6-10, 2004					Week 2 - Dec. 13-17, 2004					Week 3 - Jan. 10-14, 2005				
	Before	After	Change	% Chg		Before	After	Change	% Chg		Before	After	Change	% Chg
7-8 am	778	680	- 98	-12.6 %	7-8 am	778	670	- 108	-13.9 %	7-8 am	778	624	- 154	-19.8 %
8-9 am	914	930	16	1.8 %	8-9 am	914	889	- 25	- 2.7 %	8-9 am	914	846	- 68	- 7.4 %
9-10 am	807	806	- 1	- 0.1 %	9-10 am	807	852	45	5.6 %	9-10 am	807	784	- 23	- 2.9 %
7-10am	2,499	2,416	- 83	- 3.3 %	7-10am	2,499	2,411	- 88	- 3.5 %	7-10am	2,499	2,254	- 245	- 9.8 %
3-4 pm	826	853	27	3.3 %	3-4 pm	826	904	78	9.4 %	3-4 pm	826	833	7	0.8 %
4-5 pm	786	821	35	4.5 %	4-5 pm	786	838	52	6.6 %	4-5 pm	786	799	13	1.7 %
5-6 pm	828	858	30	3.6 %	5-6 pm	828	902	74	8.9 %	5-6 pm	828	827	- 1	- 0.1 %
6-7 pm	904	910	6	0.7 %	6-7 pm	904	955	51	5.6 %	6-7 pm	904	868	- 36	- 4.0 %
3-7pm	3,344	3,442	98	2.9 %	3-7pm	3,344	3,599	255	7.6 %	3-7pm	3,344	3,327	- 17	- 0.5 %

Broadway Southbound between West 95-96 Streets

Week 1 - Dec. 6-10, 2004					Week 2 - Dec. 13-17, 2004					Week 3 - Jan. 10-14, 2005				
	Before	After	Change	% Chg		Before	After	Change	% Chg		Before	After	Change	% Chg
7-8 am	707	595	- 112	-15.8 %	7-8 am	707	669	- 38	- 5.4 %	7-8 am	707	570	- 137	-19.4 %
8-9 am	899	823	- 76	- 8.5 %	8-9 am	899	890	- 9	- 1.0 %	8-9 am	899	808	- 91	-10.1 %
9-10 am	724	708	- 16	- 2.2 %	9-10 am	724	798	74	10.2 %	9-10 am	724	752	28	3.9 %
7-10am	2,330	2,126	- 204	- 8.8 %	7-10am	2,330	2,357	27	1.2 %	7-10am	2,330	2,130	- 200	- 8.6 %
3-4 pm	656	746	90	13.7 %	3-4 pm	656	804	148	22.6 %	3-4 pm	656	739	83	12.7 %
4-5 pm	762	750	- 12	- 1.6 %	4-5 pm	762	747	- 15	- 2.0 %	4-5 pm	762	724	- 38	- 5.0 %
5-6 pm	752	780	28	3.7 %	5-6 pm	752	842	90	12.0 %	5-6 pm	752	773	21	2.8 %
6-7 pm	780	784	4	0.5 %	6-7 pm	780	871	91	11.7 %	6-7 pm	780	779	- 1	- 0.1 %
3-7pm	2,950	3,060	110	3.7 %	3-7pm	2,950	3,264	314	10.6 %	3-7pm	2,950	3,015	65	2.2 %



D.

Northbound Roadways

Central Park Entrance & Exit Closures

Northbound ATR Volumes Comparisons

Northbound Thoroughfare	Time Period	Before	Week 1		Week 2		Week 3		Averages of Three Weeks	
			Dec 6-10 2004	Percent Change	Dec 13-17 2004	Percent Change	Jan 10-14 2005	Percent Change		
Central Park East Drive Northbound between 72-79 Streets	7-10am	996	976	- 2.0 %	960	- 3.6 %	990	- 0.6 %	975	- 2.1 %
	3-7pm	1,919	2,040	6.3 %	1,962	2.2 %	2,035	6.0 %	2,012	4.8 %
Park Avenue Northbound between East 62-63 Streets	7-10am	3,945	3,814	- 3.3 %	3,882	- 1.6 %	3,551	- 10.0 %	3,749	- 5.0 %
	3-7pm	5,211	4,678	- 10.2 %	4,910	- 5.8 %	5,049	- 3.1 %	4,879	- 6.4 %
Park Avenue Northbound between East 95-96 Streets	7-10am	1,680	1,610	- 4.2 %	1,795	6.8 %	1,716	2.1 %	1,707	1.6 %
	3-7pm	2,870	2,893	0.8 %	3,217	12.1 %	2,900	1.0 %	3,003	4.6 %
Madison Avenue Northbound between East 62-63 Streets	7-10am	3,688	N/A		3,828	3.8 %	3,755	1.8 %	3,792	2.8 %
	3-7pm	5,266	N/A		5,188	- 1.5 %	5,439	3.3 %	5,314	0.9 %
Madison Avenue Northbound between East 95-96 Streets	7-10am	2,201	1,659	- 24.6 %	1,549	- 29.6 %	1,854	- 15.8 %	1,687	- 23.4 %
	3-7pm	3,908	3,740	- 4.3 %	3,247	- 16.9 %	3,345	- 14.4 %	3,444	- 11.9 %
Central Park West Northbound between West 86-87 Streets	7-10am	2,050	1,964	- 4.2 %	1,890	- 7.8 %	1,837	- 10.4 %	1,897	- 7.5 %
	3-7pm	3,729	3,872	3.8 %	3,722	- 0.2 %	3,390	- 9.1 %	3,661	- 1.8 %



Park Avenue Northbound between East 62-63 Streets

Week 1 - Dec. 6-10, 2004					Week 2 - Dec. 13-17, 2004					Week 3 - Jan. 10-14, 2005				
	Before	After	Change	% Chg		Before	After	Change	% Chg		Before	After	Change	% Chg
7-8 am	1,279	1,224	- 55	- 4.3 %	7-8 am	1,279	1,238	- 41	- 3.2 %	7-8 am	1,279	1,106	- 173	-13.5 %
8-9 am	1,350	1,380	30	2.2 %	8-9 am	1,350	1,395	45	3.3 %	8-9 am	1,350	1,228	- 122	- 9.0 %
9-10 am	1,316	1,210	- 106	- 8.1 %	9-10 am	1,316	1,249	- 67	- 5.1 %	9-10 am	1,316	1,217	- 99	- 7.5 %
7-10am	3,945	3,814	- 131	- 3.3 %	7-10am	3,945	3,882	- 63	- 1.6 %	7-10am	3,945	3,551	- 394	-10.0 %
3-4 pm	1,254	1,122	- 132	-10.5 %	3-4 pm	1,254	1,091	- 163	-13.0 %	3-4 pm	1,254	1,187	- 67	- 5.3 %
4-5 pm	1,185	1,127	- 58	- 4.9 %	4-5 pm	1,185	1,178	- 7	- 0.6 %	4-5 pm	1,185	1,189	4	0.3 %
5-6 pm	1,266	1,164	- 102	- 8.1 %	5-6 pm	1,266	1,260	- 6	- 0.5 %	5-6 pm	1,266	1,288	22	1.7 %
6-7 pm	1,506	1,265	- 241	-16.0 %	6-7 pm	1,506	1,381	- 125	- 8.3 %	6-7 pm	1,506	1,385	- 121	- 8.0 %
3-7pm	5,211	4,678	- 533	-10.2 %	3-7pm	5,211	4,910	- 301	- 5.8 %	3-7pm	5,211	5,049	- 162	- 3.1 %

Park Avenue Northbound between East 95-96 Streets

Week 1 - Dec. 6-10, 2004					Week 2 - Dec. 13-17, 2004					Week 3 - Jan. 10-14, 2005				
	Before	After	Change	% Chg		Before	After	Change	% Chg		Before	After	Change	% Chg
7-8 am	465	436	- 29	- 6.2 %	7-8 am	465	438	- 27	- 5.8 %	7-8 am	465	448	- 17	- 3.7 %
8-9 am	688	678	- 10	- 1.5 %	8-9 am	688	718	30	4.4 %	8-9 am	688	707	19	2.8 %
9-10 am	527	496	- 31	- 5.9 %	9-10 am	527	639	112	21.3 %	9-10 am	527	561	34	6.5 %
7-10am	1,680	1,610	- 70	- 4.2 %	7-10am	1,680	1,795	115	6.8 %	7-10am	1,680	1,716	36	2.1 %
3-4 pm	803	811	8	1.0 %	3-4 pm	803	879	76	9.5 %	3-4 pm	803	822	19	2.4 %
4-5 pm	784	765	- 19	- 2.4 %	4-5 pm	784	803	19	2.4 %	4-5 pm	784	775	- 9	- 1.1 %
5-6 pm	688	693	5	0.7 %	5-6 pm	688	817	129	18.8 %	5-6 pm	688	714	26	3.8 %
6-7 pm	595	624	29	4.9 %	6-7 pm	595	718	123	20.7 %	6-7 pm	595	589	- 6	- 1.0 %
3-7pm	2,870	2,893	23	0.8 %	3-7pm	2,870	3,217	347	12.1 %	3-7pm	2,870	2,900	30	1.0 %

Madison Avenue Northbound between East 62-63 Streets

Week 1 - Dec. 6-10, 2004					Week 2 - Dec. 13-17, 2004					Week 3 - Jan. 10-14, 2005				
Data not valid.														
	Before	After	Change	% Chg		Before	After	Change	% Chg		Before	After	Change	% Chg
7-8 am	1,288	Data			7-8 am	1,288	1,282	- 6	- 0.5 %	7-8 am	1,288	1,256	- 32	- 2.5 %
8-9 am	1,254	not			8-9 am	1,254	1,312	58	4.6 %	8-9 am	1,254	1,275	21	1.7 %
9-10 am	1,146	valid			9-10 am	1,146	1,234	88	7.7 %	9-10 am	1,146	1,224	78	6.8 %
7-10am	3,688				7-10am	3,688	3,828	140	3.8 %	7-10am	3,688	3,755	67	1.8 %
3-4 pm	1,175	Data			3-4 pm	1,175	1,180	5	0.4 %	3-4 pm	1,175	1,248	73	6.2 %
4-5 pm	1,241	not			4-5 pm	1,241	1,204	- 37	- 3.0 %	4-5 pm	1,241	1,212	- 29	- 2.3 %
5-6 pm	1,344	valid			5-6 pm	1,344	1,261	- 83	- 6.2 %	5-6 pm	1,344	1,323	- 21	- 1.6 %
6-7 pm	1,506				6-7 pm	1,506	1,543	37	2.5 %	6-7 pm	1,506	1,656	150	10.0 %
3-7pm	5,266				3-7pm	5,266	5,188	- 78	- 1.5 %	3-7pm	5,266	5,439	173	3.3 %

Madison Avenue Northbound between East 95-96 Streets

Week 1 - Dec. 6-10, 2004					Week 2 - Dec. 13-17, 2004					Week 3 - Jan. 10-14, 2005				
	Before	After	Change	% Chg		Before	After	Change	% Chg		Before	After	Change	% Chg
7-8 am	766	636	- 130	-17.0 %	7-8 am	766	656	- 110	-14.4 %	7-8 am	766	720	- 46	- 6.0 %
8-9 am	749	362	- 387	-51.7 %	8-9 am	749	357	- 392	-52.3 %	8-9 am	749	600	- 149	-19.9 %
9-10 am	686	661	- 25	- 3.6 %	9-10 am	686	536	- 150	-21.9 %	9-10 am	686	534	- 152	-22.2 %
7-10am	2,201	1,659	- 542	-24.6 %	7-10am	2,201	1,549	- 652	-29.6 %	7-10am	2,201	1,854	- 347	-15.8 %
3-4 pm	885	850	- 35	- 4.0 %	3-4 pm	885	830	- 55	- 6.2 %	3-4 pm	885	686	- 199	-22.5 %
4-5 pm	1,008	962	- 46	- 4.6 %	4-5 pm	1,008	829	- 179	-17.8 %	4-5 pm	1,008	826	- 182	-18.1 %
5-6 pm	1,005	980	- 25	- 2.5 %	5-6 pm	1,005	801	- 204	-20.3 %	5-6 pm	1,005	901	- 104	-10.3 %
6-7 pm	1,010	948	- 62	- 6.1 %	6-7 pm	1,010	787	- 223	-22.1 %	6-7 pm	1,010	932	- 78	- 7.7 %
3-7pm	3,908	3,740	- 168	- 4.3 %	3-7pm	3,908	3,247	- 661	-16.9 %	3-7pm	3,908	3,345	- 563	-14.4 %

5th Avenue Southbound between East 95-96 Streets

Week 1 - Dec. 6-10, 2004					Week 2 - Dec. 13-17, 2004					Week 3 - Jan. 10-14, 2005				
	Before	After	Change	% Chg		Before	After	Change	% Chg		Before	After	Change	% Chg
7-8 am	926	1,036	110	11.9 %	7-8 am	926	979	53	5.7 %	7-8 am	926	867	- 59	- 6.4 %
8-9 am	811	921	110	13.6 %	8-9 am	811	891	80	9.9 %	8-9 am	811	850	39	4.8 %
9-10 am	785	877	92	11.7 %	9-10 am	785	851	66	8.4 %	9-10 am	785	799	14	1.8 %
7-10am	2,522	2,834	312	12.4 %	7-10am	2,522	2,721	199	7.9 %	7-10am	2,522	2,516	- 6	- 0.2 %
3-4 pm	710	772	62	8.7 %	3-4 pm	710	760	50	7.0 %	3-4 pm	710	734	24	3.4 %
4-5 pm	746	819	73	9.8 %	4-5 pm	746	863	117	15.7 %	4-5 pm	746	747	1	0.1 %
5-6 pm	811	923	112	13.8 %	5-6 pm	811	954	143	17.6 %	5-6 pm	811	810	- 1	- 0.1 %
6-7 pm	837	891	54	6.5 %	6-7 pm	837	918	81	9.7 %	6-7 pm	837	810	- 27	- 3.2 %
3-7pm	3,104	3,405	301	9.7 %	3-7pm	3,104	3,495	391	12.6 %	3-7pm	3,104	3,101	- 3	- 0.1 %



E.

East/West Roadways

**Central Park Entrance & Exit Closures
Eastbound & Westbound ATR Volumes Comparisons**

Cross Street	Time Period	Before	Week 1		Week 2		Week 3		Averages of Three Weeks	
			Dec 6-10 2004	Percent Change	Dec 13-17 2004	Percent Change	Jan 10-14 2005	Percent Change		
West 77th Street Eastbound between Columbus Ave & Cent. Pk. W.	7-10am	631	503	- 20.3 %	517	- 18.1 %	488	- 22.7 %	503	- 20.3 %
	3-7pm	865	816	- 5.7 %	893	3.2 %	757	- 12.5 %	822	- 5.0 %
West 77th Street Westbound between Cent. Pk. W. & Columbus Av.	7-10am	650	503	- 22.6 %	511	- 21.4 %	537	- 17.4 %	517	- 20.5 %
	3-7pm	806	749	- 7.1 %	807	0.1 %	785	- 2.6 %	780	- 3.2 %
West 86th Street Eastbound between Columbus Av. & Cent. Pk. W.	7-10am	1,491	1,491	0.0 %	1,511	1.3 %	N/A		1,501	0.7 %
	3-7pm	2,238	2,131	- 4.8 %	2,121	- 5.2 %	N/A		2,126	- 5.0 %
West 86th Street Westbound between Cent. Pk. W. & Columbus Av.	7-10am	1,788	2,037	13.9 %	1,924	7.6 %	1,770	- 1.0 %	1,910	6.8 %
	3-7pm	2,770	3,352	21.0 %	3,138	13.3 %	2,844	2.7 %	3,111	12.3 %
East 90th Street Eastbound between 5th-Madison Avenues	7-10am	637	664	4.2 %	686	7.7 %	652	2.4 %	667	4.7 %
	3-7pm	990	920	- 7.1 %	984	- 0.6 %	967	- 2.3 %	957	- 3.3 %
West 90th Street Eastbound between Columbus Av. & Cent. Pk. W.	7-10am	495	453	- 8.5 %	472	- 4.6 %	427	- 13.7 %	451	- 8.9 %
	3-7pm	670	640	- 4.5 %	720	7.5 %	599	- 10.6 %	653	- 2.5 %
East 102nd Street Westbound between 5th-Madison Avenues	7-10am	364	351	- 3.6 %	383	5.2 %	419	15.1 %	384	5.5 %
	3-7pm	286	245	- 14.3 %	252	- 11.9 %	291	1.7 %	263	- 8.0 %



East 90th Street Eastbound between 5th-Madison Avenues

Week 1 - Dec. 6-10, 2004

	Before	After	Change	% Chg
7-8 am	186	207	21	11.3 %
8-9 am	240	251	11	4.6 %
9-10 am	211	206	- 5	- 2.4 %
7-10am	637	664	27	4.2 %
3-4 pm	241	235	- 6	- 2.5 %
4-5 pm	244	227	- 17	- 7.0 %
5-6 pm	275	231	- 44	-16.0 %
6-7 pm	230	227	- 3	- 1.3 %
3-7pm	990	920	- 70	- 7.1 %

Week 2 - Dec. 13-17, 2004

	Before	After	Change	% Chg
7-8 am	186	183	- 3	- 1.6 %
8-9 am	240	292	52	21.7 %
9-10 am	211	211	0	0.0 %
7-10am	637	686	49	7.7 %
3-4 pm	241	225	- 16	- 6.6 %
4-5 pm	244	225	- 19	- 7.8 %
5-6 pm	275	268	- 7	- 2.5 %
6-7 pm	230	266	36	15.7 %
3-7pm	990	984	- 6	- 0.6 %

Week 3 - Jan. 10-14, 2005

	Before	After	Change	% Chg
7-8 am	186	151	- 35	-18.8 %
8-9 am	240	273	33	13.8 %
9-10 am	211	228	17	8.1 %
7-10am	637	652	15	2.4 %
3-4 pm	241	236	- 5	- 2.1 %
4-5 pm	244	239	- 5	- 2.0 %
5-6 pm	275	252	- 23	- 8.4 %
6-7 pm	230	240	10	4.3 %
3-7pm	990	967	- 23	- 2.3 %

East 102nd Street Westbound between 5th- Madison Avenues

Week 1 - Dec. 6-10, 2004

	Before	After	Change	% Chg
7-8 am	124	122	- 2	- 1.6 %
8-9 am	126	120	- 6	- 4.8 %
9-10 am	114	109	- 5	- 4.4 %
7-10am	364	351	- 13	- 3.6 %
3-4 pm	85	81	- 4	- 4.7 %
4-5 pm	69	59	- 10	-14.5 %
5-6 pm	69	49	- 20	-29.0 %
6-7 pm	63	56	- 7	-11.1 %
3-7pm	286	245	- 41	-14.3 %

Week 2 - Dec. 13-17, 2004

	Before	After	Change	% Chg
7-8 am	124	131	7	5.6 %
8-9 am	126	142	16	12.7 %
9-10 am	114	110	- 4	- 3.5 %
7-10am	364	383	19	5.2 %
3-4 pm	85	81	- 4	- 4.7 %
4-5 pm	69	52	- 17	-24.6 %
5-6 pm	69	53	- 16	-23.2 %
6-7 pm	63	66	3	4.8 %
3-7pm	286	252	- 34	-11.9 %

Week 3 - Jan. 10-14, 2005

	Before	After	Change	% Chg
7-8 am	124	148	24	19.4 %
8-9 am	126	145	19	15.1 %
9-10 am	114	126	12	10.5 %
7-10am	364	419	55	15.1 %
3-4 pm	85	81	- 4	- 4.7 %
4-5 pm	69	76	7	10.1 %
5-6 pm	69	65	- 4	- 5.8 %
6-7 pm	63	69	6	9.5 %
3-7pm	286	291	5	1.7 %

West 77th Street Eastbound between Columbus Avenue and Central Park West

Week 1 - Dec. 6-10, 2004

	Before	After	Change	% Chg
7-8 am	172	138	- 34	-19.8 %
8-9 am	242	206	- 36	-14.9 %
9-10 am	217	159	- 58	-26.7 %
7-10am	631	503	- 128	-20.3 %
3-4 pm	238	237	- 1	- 0.4 %
4-5 pm	192	186	- 6	- 3.1 %
5-6 pm	208	177	- 31	-14.9 %
6-7 pm	227	216	- 11	- 4.8 %
3-7pm	865	816	- 49	- 5.7 %

Week 2 - Dec. 13-17, 2004

	Before	After	Change	% Chg
7-8 am	172	139	- 33	-19.2 %
8-9 am	242	212	- 30	-12.4 %
9-10 am	217	166	- 51	-23.5 %
7-10am	631	517	- 114	-18.1 %
3-4 pm	238	241	3	1.3 %
4-5 pm	192	189	- 3	- 1.6 %
5-6 pm	208	229	21	10.1 %
6-7 pm	227	234	7	3.1 %
3-7pm	865	893	28	3.2 %

Week 3 - Jan. 10-14, 2005

	Before	After	Change	% Chg
7-8 am	172	127	- 45	-26.2 %
8-9 am	242	190	- 52	-21.5 %
9-10 am	217	171	- 46	-21.2 %
7-10am	631	488	- 143	-22.7 %
3-4 pm	238	213	- 25	-10.5 %
4-5 pm	192	174	- 18	- 9.4 %
5-6 pm	208	176	- 32	-15.4 %
6-7 pm	227	194	- 33	-14.5 %
3-7pm	865	757	- 108	-12.5 %

West 77th Street Westbound between Columbus Avenue and Central Park West

Week 1 - Dec. 6-10, 2004

	Before	After	Change	% Chg
7-8 am	195	148	- 47	-24.1 %
8-9 am	236	192	- 44	-18.6 %
9-10 am	219	163	- 56	-25.6 %
7-10am	650	503	- 147	-22.6 %
3-4 pm	216	200	- 16	- 7.4 %
4-5 pm	195	177	- 18	- 9.2 %
5-6 pm	181	168	- 13	- 7.2 %
6-7 pm	214	204	- 10	- 4.7 %
3-7pm	806	749	- 57	- 7.1 %

Week 2 - Dec. 13-17, 2004

	Before	After	Change	% Chg
7-8 am	195	148	- 47	-24.1 %
8-9 am	236	206	- 30	-12.7 %
9-10 am	219	157	- 62	-28.3 %
7-10am	650	511	- 139	-21.4 %
3-4 pm	216	207	- 9	- 4.2 %
4-5 pm	195	182	- 13	- 6.7 %
5-6 pm	181	193	12	6.6 %
6-7 pm	214	225	11	5.1 %
3-7pm	806	807	1	0.1 %

Week 3 - Jan. 10-14, 2005

	Before	After	Change	% Chg
7-8 am	195	140	- 55	-28.2 %
8-9 am	236	223	- 13	- 5.5 %
9-10 am	219	174	- 45	-20.5 %
7-10am	650	537	- 113	-17.4 %
3-4 pm	216	198	- 18	- 8.3 %
4-5 pm	195	198	3	1.5 %
5-6 pm	181	190	9	5.0 %
6-7 pm	214	199	- 15	- 7.0 %
3-7pm	806	785	- 21	- 2.6 %

West 86th Street Eastbound between Columbus Avenue and Central Park West

Week 1 - Dec. 6-10, 2004

	Before	After	Change	% Chg
7-8 am	550	533	- 17	- 3.1 %
8-9 am	482	493	11	2.3 %
9-10 am	459	465	6	1.3 %
7-10am	1,491	1,491	0	0.0 %
3-4 pm	532	497	- 35	- 6.6 %
4-5 pm	566	516	- 50	- 8.8 %
5-6 pm	567	565	- 2	- 0.4 %
6-7 pm	573	553	- 20	- 3.5 %
3-7pm	2,238	2,131	- 107	- 4.8 %

Week 2 - Dec. 13-17, 2004

	Before	After	Change	% Chg
7-8 am	550	526	- 24	- 4.4 %
8-9 am	482	485	3	0.6 %
9-10 am	459	500	41	8.9 %
7-10am	1,491	1,511	20	1.3 %
3-4 pm	532	513	- 19	- 3.6 %
4-5 pm	566	530	- 36	- 6.4 %
5-6 pm	567	527	- 40	- 7.1 %
6-7 pm	573	551	- 22	- 3.8 %
3-7pm	2,238	2,121	- 117	- 5.2 %

Week 3 - Jan. 10-14, 2005

	Before	After	Change	% Chg
7-8 am	550			
8-9 am	482			
9-10 am	459			
7-10am	1,491	0	0	-100.0 %
3-4 pm	532			
4-5 pm	566			
5-6 pm	567			
6-7 pm	573			
3-7pm	2,238	0	0	-100.0 %

West 86th Street Westbound between Central Park West and Columbus Avenue

Week 1 - Dec. 6-10, 2004

	Before	After	Change	% Chg
7-8 am	565	595	30	5.3 %
8-9 am	682	780	98	14.4 %
9-10 am	541	662	121	22.4 %
7-10am	1,788	2,037	249	13.9 %
3-4 pm	648	829	181	27.9 %
4-5 pm	699	800	101	14.4 %
5-6 pm	701	866	165	23.5 %
6-7 pm	722	857	135	18.7 %
3-7pm	2,770	3,352	582	21.0 %

Week 2 - Dec. 13-17, 2004

	Before	After	Change	% Chg
7-8 am	565	564	- 1	- 0.2 %
8-9 am	682	748	66	9.7 %
9-10 am	541	612	71	13.1 %
7-10am	1,788	1,924	136	7.6 %
3-4 pm	648	783	135	20.8 %
4-5 pm	699	755	56	8.0 %
5-6 pm	701	769	68	9.7 %
6-7 pm	722	831	109	15.1 %
3-7pm	2,770	3,138	368	13.3 %

Week 3 - Jan. 10-14, 2005

	Before	After	Change	% Chg
7-8 am	565	510	- 55	- 9.7 %
8-9 am	682	674	- 8	- 1.2 %
9-10 am	541	586	45	8.3 %
7-10am	1,788	1,770	- 18	- 1.0 %
3-4 pm	648	708	60	9.3 %
4-5 pm	699	710	11	1.6 %
5-6 pm	701	706	5	0.7 %
6-7 pm	722	720	- 2	- 0.3 %
3-7pm	2,770	2,844	74	2.7 %



West 90th Street Eastbound between Columbus Avenue and Central Park West

Week 1 - Dec. 6-10, 2004

	Before	After	Change	% Chg
7-8 am	138	136	- 2	- 1.4 %
8-9 am	202	192	- 10	- 5.0 %
9-10 am	155	125	- 30	-19.4 %
7-10am	495	453	- 42	- 8.5 %
3-4 pm	189	167	- 22	-11.6 %
4-5 pm	156	158	2	1.3 %
5-6 pm	165	158	- 7	- 4.2 %
6-7 pm	160	157	- 3	- 1.9 %
3-7pm	670	640	- 30	- 4.5 %

Week 2 - Dec. 13-17, 2004

	Before	After	Change	% Chg
7-8 am	138	140	2	1.4 %
8-9 am	202	198	- 4	- 2.0 %
9-10 am	155	134	- 21	-13.5 %
7-10am	495	472	- 23	- 4.6 %
3-4 pm	189	198	9	4.8 %
4-5 pm	156	167	11	7.1 %
5-6 pm	165	171	6	3.6 %
6-7 pm	160	184	24	15.0 %
3-7pm	670	720	50	7.5 %

Week 3 - Jan. 10-14, 2005

	Before	After	Change	% Chg
7-8 am	138	118	- 20	-14.5 %
8-9 am	202	182	- 20	- 9.9 %
9-10 am	155	127	- 28	-18.1 %
7-10am	495	427	- 68	-13.7 %
3-4 pm	189	171	- 18	- 9.5 %
4-5 pm	156	144	- 12	- 7.7 %
5-6 pm	165	143	- 22	-13.3 %
6-7 pm	160	141	- 19	-11.9 %
3-7pm	670	599	- 71	-10.6 %

Appendix IV

Auto Travel Times & Speeds



Auto Travel Times & Speeds

Central Park West Drive S/B from Adam Clayton Blvd Entrance to 7th Ave Exit

Travel Time, minutes				
	3 Week Averages		Change	Percent Change
	Before			
7-8am	9.61	7.95	- 1.66	-17.3 %
8-9am	12.46	8.55	- 3.91	-31.4 %
9-10am	10.63	8.04	- 2.59	-24.4 %
3-4pm	9.19	8.02	- 1.17	-12.7 %
4-5pm	9.08	7.95	- 1.13	-12.4 %
5-6pm	9.71	8.37	- 1.34	-13.8 %
6-7pm	10.41	8.41	- 2.00	-19.2 %
7-10am	10.90	8.18	- 2.72	-25.0 %
3-7pm	9.60	8.19	- 1.41	-14.7 %

Speed, miles per hour				
Distance:	3 Week Averages		Change	Percent Change
3.00 miles	Before			
7-8am	18.7	22.6	3.9	20.9 %
8-9am	14.4	21.1	6.7	46.5 %
9-10am	16.9	22.4	5.5	32.5 %
3-4pm	19.6	22.4	2.8	14.3 %
4-5pm	19.8	22.6	2.8	14.1 %
5-6pm	18.5	21.5	3.0	16.2 %
6-7pm	17.3	21.4	4.1	23.7 %
7-10am	16.5	22.0	5.5	33.3 %
3-7pm	18.8	22.0	3.2	17.0 %

Central Park West S/B from 110th Street to Broadway

Travel Time, minutes				
	3 Week Averages		Change	Percent Change
	Before			
7-8am	8.44	11.73	3.29	39.0 %
8-9am	10.82	15.61	4.79	44.3 %
9-10am	10.04	14.51	4.47	44.5 %
3-4pm	13.22	14.93	1.71	12.9 %
4-5pm	14.68	16.13	1.45	9.9 %
5-6pm	13.62	15.59	1.97	14.5 %
6-7pm	15.28	15.22	- 0.06	- 0.4 %
7-10am	9.77	13.95	4.18	42.8 %
3-7pm	14.20	15.47	1.27	8.9 %

Speed, miles per hour				
Distance:	3 Week Averages		Change	Percent Change
2.50 miles	Before			
7-8am	17.8	12.8	- 5.0	-28.1 %
8-9am	13.9	9.6	- 4.3	-30.9 %
9-10am	14.9	10.3	- 4.6	-30.9 %
3-4pm	11.3	10.0	- 1.3	-11.5 %
4-5pm	10.2	9.3	- 0.9	- 8.8 %
5-6pm	11.0	9.6	- 1.4	-12.7 %
6-7pm	9.8	9.9	0.1	1.0 %
7-10am	15.4	10.8	- 4.6	-29.9 %
3-7pm	10.6	9.7	- 0.9	- 8.5 %

Auto Travel Times & Speeds

Columbus Ave S/B from 110th Street to 59th Street

Travel Time, minutes				
	3 Week Averages		Change	Percent Change
	Before			
7-8am	8.86	8.66	- 0.20	- 2.3 %
8-9am	13.82	10.20	- 3.62	-26.2 %
9-10am	12.07	10.47	- 1.60	-13.3 %
3-4pm	10.75	11.15	0.40	3.7 %
4-5pm	9.29	10.07	0.78	8.4 %
5-6pm	8.53	10.57	2.04	23.9 %
6-7pm	11.55	11.16	- 0.39	- 3.4 %
7-10am	11.58	9.78	- 1.80	-15.5 %
3-7pm	10.03	10.74	0.71	7.1 %
Speed, miles per hour				
Distance:	3 Week Averages		Change	Percent Change
2.55 miles	Before			
7-8am	17.3	17.7	0.4	2.3 %
8-9am	11.1	15.0	3.9	35.1 %
9-10am	12.7	14.6	1.9	15.0 %
3-4pm	14.2	13.7	- 0.5	- 3.5 %
4-5pm	16.5	15.2	- 1.3	- 7.9 %
5-6pm	17.9	14.5	- 3.4	-19.0 %
6-7pm	13.2	13.7	0.5	3.8 %
7-10am	13.2	15.6	2.4	18.2 %
3-7pm	15.3	14.2	- 1.1	- 7.2 %

Broadway S/B from 110th Street to 59th Street

Travel Time, minutes				
	3 Week Averages		Change	Percent Change
	Before			
7-8am	12.00	13.14	1.14	9.5 %
8-9am	18.40	15.59	- 2.81	-15.3 %
9-10am	14.72	16.01	1.29	8.8 %
3-4pm	13.54	16.33	2.79	20.6 %
4-5pm	13.43	15.90	2.47	18.4 %
5-6pm	13.67	16.58	2.91	21.3 %
6-7pm	13.76	17.30	3.54	25.7 %
7-10am	15.04	14.91	- 0.13	- 0.9 %
3-7pm	13.60	16.53	2.93	21.5 %
Speed, miles per hour				
Distance:	3 Week Averages		Change	Percent Change
2.60 miles	Before			
7-8am	13.0	11.9	- 1.1	- 8.5 %
8-9am	8.5	10.0	1.5	17.6 %
9-10am	10.6	9.7	- 0.9	- 8.5 %
3-4pm	11.5	9.6	- 1.9	-16.5 %
4-5pm	11.6	9.8	- 1.8	-15.5 %
5-6pm	11.4	9.4	- 2.0	-17.5 %
6-7pm	11.3	9.0	- 2.3	-20.4 %
7-10am	10.4	10.5	0.1	1.0 %
3-7pm	11.5	9.4	- 2.1	-18.3 %



Auto Travel Times & Speeds

Central Park East Drive N/B from 6th Avenue Entrance to Adam Clayton Powell Blvd. Exit

Travel Time, minutes				
	3 Week Averages		Percent Change	
	Before	Change		
7-8am	7.90			
8-9am	7.68			
9-10am	7.80			
3-4pm	8.06			
4-5pm	8.07			
5-6pm	8.22			
6-7pm	8.27			
7-10am	7.79			
3-7pm	8.16			
Speed, miles per hour				
Distance:	3 Week Averages		Percent Change	
3.00 miles	Before	Change		
7-8am	22.8			
8-9am	23.4			
9-10am	23.1			
3-4pm	22.3			
4-5pm	22.3			
5-6pm	21.9			
6-7pm	21.8			
7-10am	23.1			
3-7pm	22.1			

Central Park West N/B from 59th St (Central Park South) to 110th Street

Travel Time, minutes				
	3 Week Averages		Percent Change	
	Before	Change		
7-8am	13.41	14.36	0.95	7.1 %
8-9am	13.91	15.61	1.70	12.2 %
9-10am	14.49	14.65	0.16	1.1 %
3-4pm	12.95	15.41	2.46	19.0 %
4-5pm	11.63	13.37	1.74	15.0 %
5-6pm	8.65	12.91	4.26	49.2 %
6-7pm	9.19	13.70	4.51	49.1 %
7-10am	13.94	14.87	0.93	6.7 %
3-7pm	10.61	13.85	3.24	30.5 %
Speed, miles per hour				
Distance:	3 Week Averages		Percent Change	
2.55 miles	Before	Change		
7-8am	11.4	10.7	- 0.7	- 6.1 %
8-9am	11.0	9.8	- 1.2	-10.9 %
9-10am	10.6	10.4	- 0.2	- 1.9 %
3-4pm	11.8	9.9	- 1.9	-16.1 %
4-5pm	13.2	11.4	- 1.8	-13.6 %
5-6pm	17.7	11.9	- 5.8	-32.8 %
6-7pm	16.6	11.2	- 5.4	-32.5 %
7-10am	11.0	10.3	- 0.7	- 6.4 %
3-7pm	14.4	11.0	- 3.4	-23.6 %

Auto Travel Times & Speeds

Amsterdam Avenue N/B from 59th St to 110th Street

Travel Time, minutes				
	3 Week Averages		Change	Percent Change
	Before			
7-8am	8.42	7.76	- 0.66	- 7.8 %
8-9am	11.44	8.79	- 2.65	-23.2 %
9-10am	7.41	8.58	1.17	15.8 %
3-4pm	11.59	11.52	- 0.07	- 0.6 %
4-5pm	10.13	10.26	0.13	1.3 %
5-6pm	9.23	10.03	0.80	8.7 %
6-7pm	10.94	11.13	0.19	1.7 %
7-10am	9.09	8.38	- 0.71	- 7.8 %
3-7pm	10.47	10.74	0.27	2.6 %
Speed, miles per hour				
Distance:	3 Week Averages		Change	Percent Change
2.55 miles	Before			
7-8am	18.2	19.7	1.5	8.2 %
8-9am	13.4	17.4	4.0	29.9 %
9-10am	20.6	17.8	- 2.8	-13.6 %
3-4pm	13.2	13.3	0.1	0.8 %
4-5pm	15.1	14.9	- 0.2	- 1.3 %
5-6pm	16.6	15.3	- 1.3	- 7.8 %
6-7pm	14.0	13.7	- 0.3	- 2.1 %
7-10am	16.8	18.3	1.5	8.9 %
3-7pm	14.6	14.2	- 0.4	- 2.7 %

Broadway N/B from 59th St/Columbus Circle to 110th Street

Travel Time, minutes				
	3 Week Averages		Change	Percent Change
	Before			
7-8am	11.60	13.15	1.55	13.4 %
8-9am	13.76	14.30	0.54	3.9 %
9-10am	13.26	13.77	0.51	3.8 %
3-4pm	13.70	15.81	2.11	15.4 %
4-5pm	14.38	15.69	1.31	9.1 %
5-6pm	13.70	15.64	1.94	14.2 %
6-7pm	14.80	16.10	1.30	8.8 %
7-10am	12.87	13.74	0.87	6.8 %
3-7pm	14.15	15.81	1.66	11.7 %
Speed, miles per hour				
Distance:	3 Week Averages		Change	Percent Change
2.60 miles	Before			
7-8am	13.4	11.9	- 1.5	-11.2 %
8-9am	11.3	10.9	- 0.4	- 3.5 %
9-10am	11.8	11.3	- 0.5	- 4.2 %
3-4pm	11.4	9.9	- 1.5	-13.2 %
4-5pm	10.8	9.9	- 0.9	- 8.3 %
5-6pm	11.4	10.0	- 1.4	-12.3 %
6-7pm	10.5	9.7	- 0.8	- 7.6 %
7-10am	12.1	11.4	- 0.7	- 5.8 %
3-7pm	11.0	9.9	- 1.1	-10.0 %



Appendix V

Central Park West Drive Radar Speeds

Radar Speeds - Central Park West Drive S/B

Week 2 vs. "Before"

From West 65th Street to West 62nd Street

Before Oct. 26-27, 2004			"Week 2" December 14, 2004			Changes			Percent Changes		
Time	Avg Spd, mph	85% Spd mph	Time	Avg Spd, mph	85% Spd mph	Time	Avg Spd, mph	85% Spd mph	Time	Avg Spd, mph	85% Spd mph
7-10am	28.0	32.0	7-10am	22.7	29.3	7-10am	- 5.3	- 2.7	7-10am	- 18.9 %	- 8.4 %
3-7pm	28.6	32.5	3-7pm	21.2	26.4	3-7pm	- 7.4	- 6.1	3-7pm	- 25.9 %	- 18.8 %

From West 96th Street to West 92nd Street

Before Oct. 26-27, 2004			"Week 2" December 14, 2004			Changes			Percent Changes		
Time	Avg Spd, mph	85% Spd mph	Time	Avg Spd, mph	85% Spd mph	Time	Avg Spd, mph	85% Spd mph	Time	Avg Spd, mph	85% Spd mph
7-10am	32.2	36.0	7-10am	24.7	28.1	7-10am	- 7.5	- 7.9	7-10am	- 23.3 %	- 21.9 %
3-7pm	30.0	34.0	3-7pm	24.3	28.7	3-7pm	- 5.7	- 5.3	3-7pm	- 19.0 %	- 15.6 %

Week 3 vs. "Before"

From West 65th Street to West 62nd Street

Before Oct. 26-27, 2004			"Week 3" January 11-13, 2005			Changes			Percent Changes		
Time	Avg Spd, mph	85% Spd mph	Time	Avg Spd, mph	85% Spd mph	Time	Avg Spd, mph	85% Spd mph	Time	Avg Spd, mph	85% Spd mph
7-10am	28.0	32.0	7-10am	27.1	33.4	7-10am	- 0.9	1.4	7-10am	- 3.2 %	0.0
3-7pm	28.6	32.5	3-7pm	27.9	34.2	3-7pm	- 0.7	1.7	3-7pm	- 2.4 %	0.1

From West 96th Street to West 92nd Street

Before Oct. 26-27, 2004			"Week 3" January 11-13, 2005			Changes			Percent Changes		
Time	Avg Spd, mph	85% Spd mph	Time	Avg Spd, mph	85% Spd mph	Time	Avg Spd, mph	85% Spd mph	Time	Avg Spd, mph	85% Spd mph
7-10am	32.2	36.0	7-10am	25.3	29.5	7-10am	- 6.9	- 6.5	7-10am	- 21.4 %	- 18.1 %
3-7pm	30.0	34.0	3-7pm	24.1	28.2	3-7pm	- 5.9	- 5.8	3-7pm	- 19.7 %	- 17.1 %