

Church Avenue Delivery Window Recommendations

October 26, 2010



Trucks delivering to merchants on Church Avenue (between East 18th Street and East 19th Street, north curb), 9-20-2010



Truck receiving a summons for parking in a bus stop on Church Avenue (between East 19th Street and Ocean Avenue, north curb), 9-20-2010



Executive Summary

This project is being undertaken by NYCDOT's Office of Freight Mobility to improve traffic flow and safety along Church Avenue for all roadway users by creating a more efficient allocation of curbside parking that balances merchants' needs for deliveries and parking for customers. The project area was developed in consultation with Brooklyn Community Board 14 and the Church Avenue BID and includes five blocks along Church Avenue between East 16th Street and East 21st Street. The B35 bus route, which runs along Church Avenue, is the 4th busiest bus route in Brooklyn and the 7th busiest in New York City in terms of average weekday ridership, and with 350 buses per weekday from 6am to 6pm, there is a bus passing through this section of Church Avenue every two minutes. This corridor is also a Through Truck Route and has a high concentration of merchants and deliveries. NYCDOT's Church Avenue Congested Corridor Study calculated weekday peak hour (AM peak is 7:45 am – 8:45am, Midday peak is 1:00pm – 2:00pm, PM peak is 5:00pm – 6:00pm) average travel speeds along this section of Church Avenue at less than 10mph in both directions. In the eastbound direction, the weekday PM peak hour travel speed was less than 5mph from Coney Island Avenue and Ocean Avenue and the travel speed for all three peak hours was less than 5mph from Ocean Avenue and Flatbush Avenue. In the westbound direction, the travel speed for all three peak hours was between 5mph and 10mph from Flatbush Avenue to Ocean Avenue and from Ocean Avenue to Coney Island Avenue.

A commercial vehicle curb utilization survey and an on-street parking survey were conducted from 6am to 6pm along Church Avenue from East 16th Street to East 21st Street on Tuesday, August 3, 2010 and on Friday, August 6, 2010 to understand the delivery characteristics on each block. Many problems associated with deliveries were discovered from these surveys, most notably, a lack of available curb space for deliveries. This inadequate access for deliveries often forces trucks to double park or park in bus stops to make deliveries, leading to traffic congestion and unsafe driving conditions. Because there is only one travel lane in each direction, when a truck double parks, the roadway is effectively closed in one direction, forcing vehicles to cross the double yellow line into



oncoming traffic. For example, on Tuesday, August 3, 2010, Church Avenue was *effectively closed* between East 16th Street and East 21st Street due to double parked trucks for a total of 3 hours and 19 minutes (28% of the day) in the eastbound direction and 3 hours and 3 minutes (25% of the day) in the westbound direction. On this same day, 17 trucks parked in a bus stop, forcing buses to stop in the travel lane to load and unload passengers, also *effectively closing* this section of Church Avenue each time a bus stopped in the travel lane.

Delivery Window recommendations were developed after analysis of the commercial vehicle curb utilization data and parking occupancy data as well as discussions with local merchants. 80% (32 of 40) of merchants support a Delivery Window on their block, 10% (4 of 40) of merchants are neither in favor nor against a Delivery Window on their block, and 10% (4 of 40) of merchants do not support a Delivery Window on their block. Delivery Windows are recommended for the following blocks on Church Avenue: East 16th Street to East 17th Street (portions of the north and south blockfaces), East 18th Street to East 19th Street (all of the north and south blockfaces), East 19th Street to Ocean Avenue (portions of the north and south blockfaces), and Ocean Avenue to East 21st Street (a portion of the north blockface). Most of the Delivery Windows are planned for the 7am to 12pm time period in order to manage the curb space more efficiently by balancing the needs of trucks with the needs of passenger vehicles since most of the deliveries occur before 12pm and the demand for passenger vehicle parking is higher after 12pm. The overall average parking occupancy for the project corridor was calculated at 71% between 7am and 12pm and at 95% between 12pm and 6pm, further supporting the concept of encouraging more deliveries to take place before 12pm when the parking spaces are less utilized and preserving more parking spaces for passenger vehicles after 12pm. Page 4 includes a summary of the recommended changes to parking regulations. Pages 5 through 11 provide a summary of the delivery data and parking data in addition to a detailed discussion of the unique delivery issues and recommendations at each blockface. Appendix A includes a map of the project corridor and Appendix B includes a summary of feedback from a walk-through on June 14, 2010 with the Church Avenue BID and local merchants.



Recommended Changes to Parking Regulations

In each instance that a Delivery Window is recommended, the existing 1-Hour metered parking regulations will remain in effect after the time of the Delivery Window.

Church Avenue from East 16th Street to East 17th Street

- North Curb
 - 7am to 12pm Delivery Window (Mon-Fri) along 60 feet at east end of blockface
- South Curb
 - No Delivery Window necessary on this blockface (Existing Truck Loading Zone and No Parking Zone accommodate deliveries)

Church Avenue from East 17th Street to East 18th Street

- North Curb
 - 7am to 12pm Delivery Window (Mon-Fri) along 80 feet at west end of blockface
- South Curb
 - 7am to 12pm Delivery Window (Mon-Fri) along 100 feet at west end of blockface

Church Avenue from East 18th Street to East 19th Street

- North Curb
 - 7am to 3pm Delivery Window (Mon-Fri) along 196 feet, entire blockface
- South Curb
 - 7am to 12pm Delivery Window (Mon-Fri) along 220 feet, entire blockface (excluding a fire hydrant at midblock)

East 19th Street from Dead End to Church Avenue

- West Curb
 - Allow only shorter single-unit trucks to park here

Church Avenue from East 19th Street to Ocean Avenue

- North Curb
 - 7am to 12pm Delivery Window (Mon-Fri) along 80 feet beginning from bus stop to midblock
- South Curb
 - 7am to 12pm Delivery Window (Mon-Fri) along 100 feet at east end of blockface

Church Avenue from Ocean Avenue to East 21st Street

- North Curb
 - 7am to 12pm Delivery Window (Mon-Fri) along 70 feet at west end of blockface
- South Curb
 - No Delivery Window necessary on this blockface

The following pages include background information on the needs for Delivery Windows and other changes to parking regulations on the project corridor.



Discussion of Delivery Activity and Issues by Blockface

Church Avenue from East 16th Street to East 17th Street [North Blockface]

Bobby's Department Store is the main recipient of deliveries on this blockface; however, they receive their deliveries from a Truck Loading Zone on East 16th Street, north of Church Avenue, that can accommodate one single-unit truck. There are three other stores on this blockface that receive deliveries: S&A Fish Market, Golden Krust and Thriftway Pharmacy. Most of the delivery trucks on this blockface parked at the existing No Parking Anytime zone at the east end of the block, but there were several trucks that found parking at one of the eight metered spaces. Only one truck double parked due to a lack of available curb space on this blockface. The peak period for delivery activity on Tuesday is 9am to 12pm (a total of 1 hour and 33 minutes) and 12pm to 3pm on Friday (a total of 2 hours and 37 minutes).

In order to provide a balance between demand for passenger vehicle parking and truck deliveries, a short Delivery Window of 60 feet is proposed at the east end of the blockface from 7am to 12pm. The parking occupancy data for this blockface suggests that this Delivery Window can help provide curb access for trucks without negatively impacting curb access for passenger vehicle parking. On Tuesday, the parking occupancy at the eight metered spaces on this blockface was 76% during the 7am to 12pm period and 118% during the 12pm to 6pm period¹. On Friday, the parking occupancy at these spaces was 55% during the 7am to 12pm period and 120% during the 12pm to 6pm period.

Church Avenue from East 16th Street to East 17th Street [South Blockface]

This blockface experienced the highest amount of delivery activity on the entire corridor with over 19 hours and 25 minutes of total truck delivery activity on Tuesday and 17 hours and 45 minutes of delivery activity on Friday. There is an existing 7am to 7pm Truck Loading Zone (106 feet long) and an existing No Parking Anytime zone (79 feet long) that functions as a Truck Loading Zone. Despite the 175 feet of curb space available for trucks, this blockface had the highest amount of double parked trucks along the corridor on Tuesday (nine double parked trucks) and the second highest amount on Friday (four double parked trucks). The total time of truck double parking was also very high on this blockface. The eastbound travel lane was blocked by a double parked truck for a

¹ A parking occupancy of greater than 100% results when more vehicles are parked on a blockface than the number of legal parking spaces. For instance, if there are 8 parking spaces on a blockface, each of which is occupied, and 2 vehicles parked illegally in a bus stop, the parking occupancy for this period would be 125%.



total of 1 hour and 10 minutes on Tuesday, and for a total of 1 hour and 51 minutes on Friday. It should be noted that the main recipient of deliveries on this blockface, Bobby's II Department Store, is undergoing renovations. Because of the renovations, some of the trucks parked on this blockface are construction vehicles. Once the renovations are complete, there will no longer be construction vehicles parked on this blockface, but the store will receive many more deliveries; therefore, the amount of total truck delivery activity is unlikely to change significantly.

Church Avenue from East 17th Street to East 18th Street [North Blockface]

This blockface experienced a high volume of delivery activity during the 6am to 12pm period on Tuesday (5 hours and 13 minutes out of the total 5 hours and 44 minutes for the whole day) and a high volume of delivery activity throughout the day on Friday (a total of 11 hours and 10 minutes). Only one double parked truck was documented on either day (during the 12pm to 3pm period on Tuesday); however, seven trucks parked in the bus stop on Tuesday and four trucks parked in the bus stop on Friday. This causes additional traffic congestion and creates safety hazards because bus riders must walk into the middle of the street to access the bus, instead of accessing it directly from the sidewalk.

To improve safety for bus riders and to reduce the traffic congestion caused by buses that are forced to double park (because of delivery trucks parked in the bus stop), a 7am to 12pm Delivery Window is recommended for the 80 feet at the west end of the blockface. The parking occupancy data for the four metered spaces on this blockface indicates that this proposed Delivery Window would displace some passenger car parking during the AM hours, but would not affect the PM hours which are the peak period for passenger vehicle parking. During the 7am to 12pm period, the parking occupancy for these four meters was 88% on Tuesday and 88% on Friday. During the 12pm to 6pm period, the parking occupancy at these meters was 90% on Tuesday and 104% Friday.

Church Avenue from East 17th Street to East 18th Street [South Blockface]

This blockface experienced a high volume of deliveries throughout the day on both Tuesday (a total of 8 hours and 51 minutes) and Friday (a total of 11 hours and 52 minutes). The peak periods for delivery activity were the 9am to 12pm period on Tuesday (a total of 3 hours and 11 minutes) and the 6am to 9am period on Friday (a total of 3 hours and 11 minutes). This blockface suffered from trucks double parked for long periods of time. Although the amount of trucks double parked was not exceptionally high (three double parked trucks on Tuesday and five double parked trucks on Friday), some of these trucks were double parked for extended periods. For example, on



Tuesday, three double parked trucks blocked the eastbound travel lane of Church Avenue for a total of 1 hour and 33 minutes and on Friday, five double parked trucks blocked the eastbound travel lane for a total of 1 hour and 27 minutes. Also, four trucks parked in the bus stop on Tuesday and five trucks parked in the bus stop on Friday, leading to safety problems and additional traffic congestion.

To reduce traffic congestion caused by double parked trucks and improve safety for bus riders, a 7am to 12pm Delivery Window is recommended for the 100 feet at the west end of the blockface. Parking availability for passenger vehicles on this blockface would only be minimally impacted by this Delivery Window because the parking demand is much lower in the 7am to 12pm period than in the 12pm to 6pm period. During the 7am to 12pm period, the parking occupancy for the eight meters on this blockface was 66% on Tuesday and 60% on Friday. During the 12pm to 6pm period, the parking occupancy at these meters was 73% on Tuesday and 88% on Friday.

Church Avenue from East 18th Street to East 19th Street [North Blockface]

This blockface has three grocery stores that receive multiple daily deliveries, Meat Palace Supreme, Mundo Supermarket, and Family Fruit Farm. This blockface experienced a very high volume of deliveries throughout the day on both Tuesday and Friday (19 hours of total delivery activity on Tuesday and 16 hours and 28 minutes on Friday). The peak period for delivery activity on both days was 9am to 12pm (7 hours and 28 minutes on Tuesday and 5 hours and 21 minutes on Friday). This blockface also suffered from a very high amount of truck double parking, with 15 double parked trucks on Tuesday and 8 double parked trucks on Friday. Double parked trucks blocked the westbound travel lane on this block for a total of 2 hours and 25 minutes on Tuesday and for a total of 29 minutes on Friday.

A 7am to 3pm Delivery Window is recommended for all of the available curb space on this blockface (196 feet). The high volumes of delivery activity and the high amount of truck double parking on this blockface create a major bottleneck that negatively impacts all westbound traffic on Church Avenue. The parking occupancy data indicates that passenger vehicle parking may be negatively impacted by the recommended Delivery Window on Tuesday, but not as much on Friday. During the 7am to 12pm period, the parking occupancy for the nine meters on this blockface was 84% on Tuesday and 54% on Friday. During the 12pm to 6pm period, the parking occupancy at these meters was 84% on Tuesday and 90% on Friday. Parking demand for passenger vehicles will be accommodated on the adjacent block on Church Avenue (between East 19th Street and Ocean Avenue) and on the



north/south streets perpendicular to Church Avenue. Providing adequate curb access for deliveries on this blockface will be a significant step towards reducing traffic congestion in the westbound direction on Church Avenue.

Church Avenue from East 18th Street to East 19th Street [South Blockface]

This blockface has several stores that receive a high volume of deliveries including Church Tropical Farm, 99 Cent Supermarket, Y&S Fish, Church Ave Pharmacy, and Severo Grocery. This blockface experienced a high amount of delivery activity in the 6am to 9am period (6 hours and 52 minutes on Tuesday and 3 hours and 15 minutes on Friday) and moderate delivery activity in the 9am to 12pm period (2 hours and 4 minutes on Tuesday and 1 hour and 3 minutes on Friday). These figures alone would likely justify a 7am to 12pm Delivery Window on the whole blockface, but there is another factor that supports the implementation of a Delivery Window on this entire blockface. The block of East 19th Street south of Church Avenue is a dead end, which cannot legally be accessed by trucks; however, trucks use the No Parking Anytime zone on the west blockface of East 19th Street as an unofficial loading zone to deliver goods to the adjacent Church Tropical Farm. The only way trucks can access this unofficial loading zone is by backing into the dead end street and then driving forward after making deliveries or by driving forward into the dead end street and then backing out after making deliveries. In either case, the entire intersection of Church Avenue and East 19th Street is shut down for minutes at a time, causing unsafe conditions and severe congestion for eastbound and westbound traffic on Church Avenue.

Adequate curb space for deliveries on this blockface is necessary to discourage trucks from using the dead end street (East 19th Street) for deliveries. To accommodate the high volume of deliveries on this blockface and to prevent trucks from using the dead end street, a 7am to 12pm Delivery Window is recommended for this entire blockface (220 feet) excluding the fire hydrant at midblock. Please see the following section for an additional recommendation to prohibit trucks from parking on East 19th Street.

East 19th Street from Dead End to Church Avenue [West Blockface]

As mentioned in the section above, this block is a dead end street. Trucks cannot legally access this block because they must block the intersection of Church Avenue and East 19th Street in order to back up into the No Parking Anytime zone on the west blockface or to back up into the intersection to exit this location. This blockface was not surveyed as part of the commercial vehicle curb utilization surveys on Tuesday, August 3, 2010 and Friday, August 6, 2010 because the data collection effort was intended to capture deliveries taking place on Church Avenue,



which account for the vast majority of deliveries to merchants along the corridor. A site visit to Church Avenue was made by NYCDOT on Monday, September 20, 2010 in which two tractor trailers were observed using this No Parking Anytime zone to make deliveries to Church Tropical Farm (a grocery store located on the southwest corner of Church Avenue and East 19th Street intersection). An employee of Church Tropical Farm stood in the intersection of Church Avenue and East 19th Street and blocked traffic while a tractor trailer that had completed its deliveries to the store backed out of the dead end street and another tractor trailer (which had been standing double parked in the eastbound lane of Church Avenue for several minutes) backed into the dead end street to begin making deliveries to the store. The entire intersection was blocked during this event from 11:26am to 11:30am, leading to severe congestion on Church Avenue in the eastbound and westbound directions and creating a chaos of honking from infuriated drivers.

The No Parking Anytime zone on this blockface should only allow access for shorter, single-unit trucks. Tractor-trailers should be banned from this block because they cannot legally access it. An engineering investigation is required to determine the length of vehicle that can safely be accommodated on this block.

Church Avenue from East 19th Street to Ocean Avenue [North Blockface]

This blockface experiences a moderate amount of delivery activity. The peak period for deliveries is 9am to 12pm on both Tuesday and Friday. On Tuesday, 9 of the 15 total deliveries were made during the 9am to 12pm period and on Friday, 3 of the 6 total deliveries were made between 9am and 12pm. Double parking is a moderate problem on this blockface, mostly during the 9am to 12pm period (two of the three double parked trucks on Tuesday and one of the two double parked trucks on Friday). Another problem on this blockface is trucks parking in the bus stop. On Tuesday, four different trucks parked in the bus stop for a combined time of 38 minutes (no trucks parked in the bus stop on Friday).

A 7am to 12pm Delivery Window is recommended for nearly half of the available curb space on this blockface (80 feet) at midblock, immediately west of the bus stop. This Delivery Window would be expected provide sufficient curb space for deliveries in order to reduce instances of trucks double parking and parking in the bus stop.

Because the delivery volumes on this blockface are not very high, it is recommended that half of the curb space on this blockface (five metered spaces) remain available for passenger vehicle parking throughout the day. Parking availability for passenger vehicles on this blockface would only be minimally impacted by this Delivery Window because the parking demand is much lower in the 7am to 12pm period than in the 12pm to 6pm period. During



the 7am to 12pm period, the parking occupancy for the 10 meters on this blockface was 76% on Tuesday and 59% on Friday. During the 12pm to 6pm period, the parking occupancy at these meters was 89% on Tuesday and 94% on Friday.

Church Avenue from East 19th Street to Ocean Avenue [South Blockface]

This blockface also experiences a moderate amount of delivery activity. The peak period for deliveries is 9am to 12pm on both Tuesday and Friday. On Tuesday, 4 of the 6 total deliveries were made during the 9am to 12pm period and on Friday, 4 of the 10 total deliveries were made during this period. There was a moderate amount of truck double parking on Friday with four double parked trucks and only one double parked truck on Tuesday.

A 7am to 12pm Delivery Window is recommended for the 100 feet on the east end of the blockface, east of the fire hydrant at midblock. It is recommended that the four metered parking spaces on the west end of the blockface, west of the fire hydrant, remain available for passenger vehicle parking throughout the day. Most of the deliveries took place on the east end of the blockface. Parking availability for passenger vehicles on this blockface would only be minimally impacted by this Delivery Window because the parking demand is lower during the 7am to 12pm period than during the 12pm to 6pm period. During the 7am to 12pm period, the parking occupancy for the eight meters on this blockface was 73% on Tuesday and 90% on Friday. During the 12pm to 6pm period, the parking occupancy at these meters was 88% on Tuesday and 94% on Friday.

Church Avenue from Ocean Avenue to East 21st Street [North Blockface]

The delivery activity on this blockface is light throughout most of the day, but moderate during the 9am to 12pm period. On Tuesday, three trucks made deliveries on this blockface from 9am to 12pm and on Friday, four trucks made deliveries during this period.

A 7am to 12pm Delivery Window is recommended for the 70 on the west end of the blockface, between the fire hydrant at midblock and the west crosswalk. It is recommended that the four metered parking spaces on the east end of the blockface, east of the fire hydrant, remain available for passenger parking throughout the day. Parking availability for passenger vehicles on this blockface would only be minimally impacted by this Delivery Window because the parking demand is much lower in the 7am to 12pm period than in the 12pm to 6pm period. During the 7am to 12pm period, the parking occupancy for the seven meters on this blockface was 66% on Tuesday and 76% on Friday. During the 12pm to 6pm period, the parking occupancy at these meters was 98% on Tuesday and 107% on Friday.



Church Avenue from Ocean Avenue to East 21st Street [South Blockface]

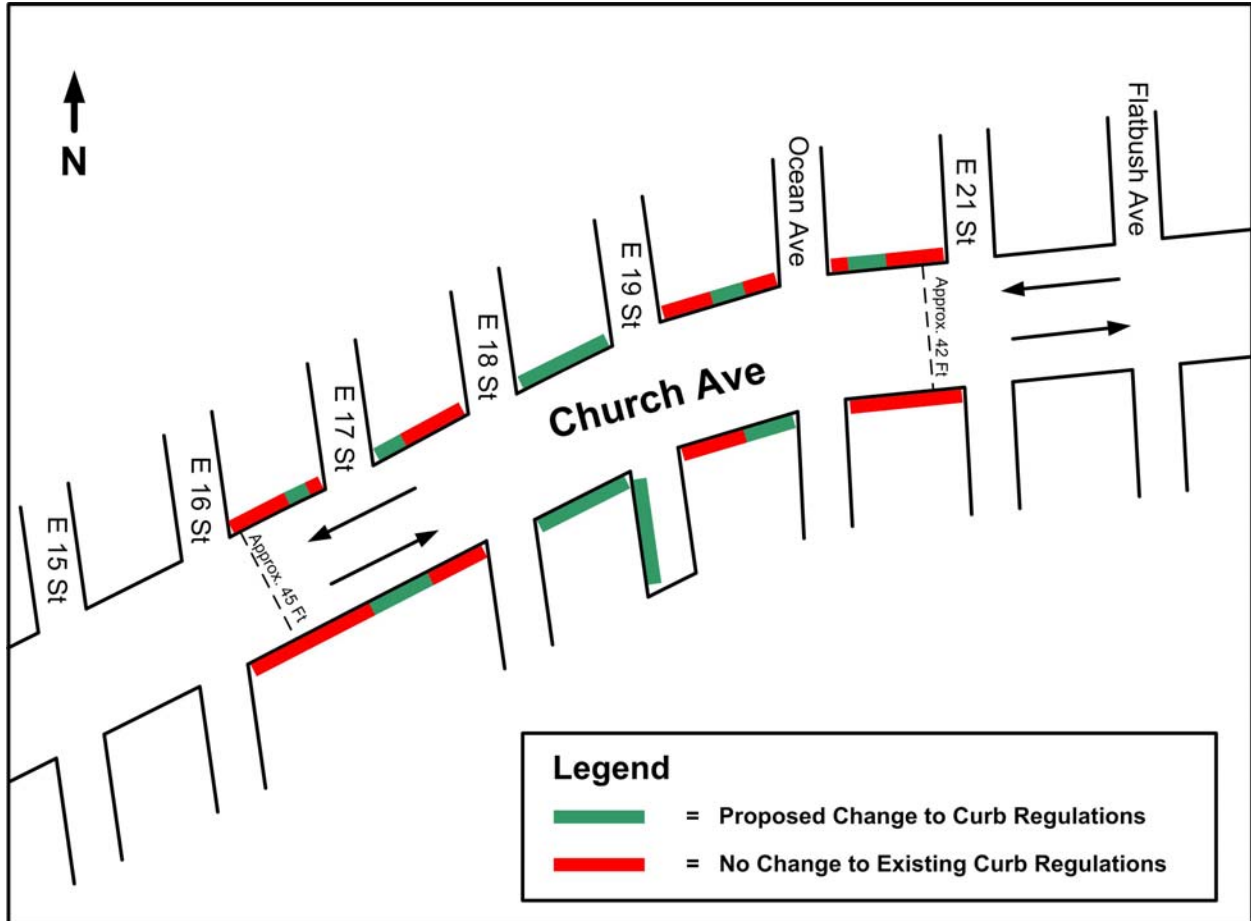
The delivery activity on this blockface is very light and does not warrant a Delivery Window. On Tuesday, only five trucks made deliveries on this blockface during the entire day and on Friday, only one truck made a delivery on this blockface.

Summary

The primary goal of the Church Avenue Delivery Window project is to improve traffic flow and safety along Church Avenue for all roadway users by reducing double parking by delivery trucks. The recommendations set forth in this document attempt to achieve this primary goal by providing adequate curb space for trucks on blocks that receive high volumes of deliveries. A secondary goal of this project is to encourage a shift in truck deliveries to the morning hours by establishing a consistent time period (7am to 12pm) in which truck drivers can expect to have available curbside parking on Church Avenue. This secondary goal, if achieved, will help in achieving the primary goal. It is hypothesized that some of the deliveries currently taking place between 12pm and 3pm will be shifted to the 7am to 12pm period once it is clear to truck drivers that more parking space is available on Church Avenue between 7am and 12pm. The recommended changes to the parking regulations are anticipated to be implemented in the Fall of 2010. A post-implementation data collection program will be conducted in the Spring of 2011 to measure delivery activity, parking occupancy, and average travel speeds.

APPENDIX A

Project Area Map





APPENDIX B

Walk-Through Merchant Survey with Church Avenue BID and Local Merchants: June 14, 2010

Attendees:

Mark Dicus, Church Avenue BID
Allison Schneider, Church Avenue BID
Claudette Workman, Brooklyn Borough Commissioner's Office
John Karras, Office of Freight Mobility

Highlights from Merchant Feedback:

- The majority of businesses support a delivery window
 - **32 Businesses (80%) Support a Delivery Window**
 - These businesses believe that a delivery window would help them receive deliveries more efficiently and would help reduce double parking and illegal parking by delivery trucks and would alleviate congestion on Church Avenue
 - **4 Businesses (10%) Do Not Support, But are Not Against a Delivery Window**
 - All of these businesses receive a low volume of deliveries, so they would not benefit much from a delivery window, but do not oppose the concept because they believe it would help businesses that receive a large volume of deliveries
 - **4 Businesses (10%) Are Against A Delivery Window**
 - All of these businesses receive a low volume of deliveries and do not want to lose parking for customers or employees
- Most businesses noted that delivery trucks have trouble finding parking and often receive tickets for double parking.
- Two businesses noted that they sometimes do not receive a scheduled delivery at all due to an inability for trucks to find legal parking anywhere near the store
- The vast majority of deliveries take place Monday through Friday, though a few businesses receive deliveries on Saturday
- Most businesses receive the bulk of their deliveries in the morning or early afternoon
- Most businesses indicated that they do not have control over the time that carriers deliver goods
- The peak customer hours for most businesses are in the afternoon

Block-by-Block Business Feedback:

East 16th Street to East 17th Street

- Golden Krust (north curb)
 - Receives deliveries Monday through Saturday, but not Wednesday
 - 1 truck/day delivers typically before 9am, Thursday between 12pm and 2pm



- Serves customers in PM hours
 - **Supports AM Delivery Window**
- Thriftway Pharmacy (north curb)
 - Receives a 10-minute delivery from a corporate van every day Monday through Friday between 9am and 10am
 - Receives other deliveries from vendors every day between 2pm and 4pm
 - 98% of customers are foot traffic
 - Does not receive a large volume of deliveries
 - **Moderately Supports Delivery Window**
- S&A Fish Market (north curb)
 - Make their own deliveries Monday through Friday before 9am
 - **Supports AM Delivery Window**
- Bobby's Department Store (south curb)
 - Receives about 10 trucks/day, Monday through Friday between 10am and 6pm
 - Currently uses the No Standing Except Trucks Loading and Unloading 7am to 7pm and No Parking Anytime zones on south curb for deliveries
 - Trucks often cannot access the No Parking Anytime zone due to illegal parking by passenger vehicles
 - **Supports converting No Parking Anytime zone to No Standing Except Trucks Loading and Unloading 7am to 7pm**
- 99 Cent City
 - Receives about 4 or 5 trucks/day (small trucks), Monday through Friday between 9am and 3pm, less on Saturday
 - Trucks often double park
 - **Strongly supports eliminating one or two metered spaces for an All-Day Truck Loading Zone**
 - **Supports AM Delivery Window**

East 17th Street to East 18th Street

- Organic grocery store (north curb)
 - Scheduled to open in 6 months
- Superior Market (north curb)
 - Receives deliveries Tuesday through Friday, mostly in AM, some in PM
 - 1 Tractor-trailer Wednesday through Friday
 - **Supports AM Delivery Window**
- Payless Shoe Source (north curb)
 - Receives 1 truck/day on Tuesday and Thursday, from 9:30am to 10am
 - **Does Not Support Delivery Window**
 - Does not want to lose parking for employees
- Dunkin Donuts (south curb)
 - Receives deliveries every day from 5am to 7am
 - **Supports AM Delivery Window, even though this store does not have any problems with deliveries**
- La Chic clothing store (south curb)
 - **Supports Delivery Window**
- John's 99 Cent Store (south curb)



- Receives 2 deliveries/day, Monday through Friday, between 1pm and 4pm
- Does not believe a delivery window will solve the problems of truck double parking and traffic congestion
- **Not in Support, But Not Against Delivery Window**
- Deli (south curb)
 - Receives deliveries on Monday and Wednesday in the AM
 - **Supports AM Delivery Window**

East 18th Street to East 19th Street

- T-Mobile (north curb)
 - Receives 2 or 3 deliveries/day only from UPS, Monday through Thursday
 - Many customers arrive to the store by car
 - Most customers shop here in PM
 - **Supports AM Delivery Window**
- Meat Palace Supreme (north curb)
 - Receives deliveries from about 5 trucks/day every day, Monday through Friday, from 7am to 10am
 - **Supports AM Delivery Window**
- Mundo Supermarket (north curb)
 - Receives multiple deliveries in the AM until 10am or 11am, Monday through Friday
 - Receives deliveries of milk and beer on Saturday
 - **Supports AM Delivery Window starting at 8am**
- Family Fruit Farm (north curb)
 - Receives deliveries from 4 or 5 trucks/day every day beginning at 7:30am, Monday through Friday
 - Receives a lesser amount of deliveries on Saturday
 - Trucks deliver a large amount of groceries during each delivery, which can take up to 1 hour
 - Same owner as Church Tropical Farm (south curb) on the same block
 - **Supports AM Delivery Window**
- Q-Train Deli (north curb)
 - Receives deliveries Monday through Friday, mostly in AM and some in PM
 - Many customers shop here in AM
 - **Does Not Support Delivery Window**
 - Does not want to lose parking for customers
 - As long as they receive their deliveries, they are not concerned with the truck drivers difficulties in finding legal parking
- Church Tropical Farm (south curb)
 - Same owner as Family Fruit Farm (north curb) on the same block
 - Same general delivery characteristics as Family Fruit Farm
 - **Supports AM Delivery Window**
- 99 Cent Supermarket (south curb)
 - Receives deliveries Monday through Friday in AM, and Saturday until 11am
 - Truck drivers often complain about not finding parking spaces
 - **Supports AM Delivery Window**
- Y&S Fish (south curb)



- Receives daily deliveries Monday through Friday, until 9am
 - **Supports AM Delivery Window**
- Windsor's Barber Shop and Beauty Salon (south curb)
 - Store owner delivers his own goods in a van at 8am, Monday through Friday
 - **Not in Support, But Not Against Delivery Window**
- Church Ave Pharmacy (south curb)
 - Receives a large volume delivery on Monday and Tuesday between 10am and 11am
 - Receives multiple smaller volume deliveries, Monday through Friday in AM
 - **Supports AM Delivery Window**
- Video Store (south curb)
 - Receives a low volume of deliveries from UPS and FedEx
 - Store opens at 11am
 - **Does Not Support Delivery Window**
 - Does not believe the window will work
- Severo Grocery (south curb)
 - Receives deliveries Monday, Wednesday, and Friday, only in AM
 - **Supports AM Delivery Window**

East 19th Street to Ocean Avenue

- Grocery Store on Ocean Ave (north of Church Ave)
 - Receives deliveries on Monday, Wednesday, and Friday throughout the day
 - **Supports Delivery Window Beginning at 11am**
- Pharmore Pharmacy (north curb)
 - Receives a large volume delivery every day between 10am and 11am, Monday through Friday
 - Receives smaller volume deliveries, Monday through Friday, throughout the day
 - Truck drivers do not complain much about finding parking
 - The median on Ocean Ave at Church Ave makes deliveries difficult
 - **Supports a Delivery Window from 9am to 3pm**
- Star Fish Market (north curb)
 - Receives deliveries every morning Monday through Friday between 8am and 9am
 - **Supports AM Delivery Window**
- Beauty Supply (north curb)
 - Receives deliveries once or twice a week, Monday through Thursday in AM
 - **Supports AM Delivery Window**
- Electronics Store (north curb)
 - Receives one scheduled delivery on Friday between 11am and 3pm and receives multiple deliveries at various times Monday through Friday
 - **Supports A Delivery Window**
- Momin Boutique (south curb)
 - Receives one delivery from a van on Tuesday and Friday, between 12pm and 6pm
 - Does not receive a large volume of deliveries
 - **Not in Support, But Not Against Delivery Window**
- Meat Town Groceries (south curb)
 - Receives a daily meat delivery Monday through Friday between 8am and 11am
 - Receives other deliveries about 3 times a week throughout the day



- Most customers shop here in PM
 - **Supports AM Delivery Window**
- Wealthy Hostage (south curb)
 - Receives deliveries from UPS and FedEx Monday through Friday
 - Store opens at 10am
 - UPS delivers at 12pm daily and comes back for pick-ups at 5pm daily
 - **Not in Support, But Not Against Delivery Window**
- Korner Deli (south curb)
 - Receives soda deliveries Monday through Friday between 11am and 1pm
 - Receives multiple other deliveries Monday through Friday throughout the day
 - **Supports Delivery Window**

Ocean Avenue to East 21th Street

- Store name not captured (north curb)
 - Receives deliveries on Wednesday and Thursday from UPS and vendors, mostly in PM
 - **Supports Delivery Window**
- Church Ave Diamond (north curb)
 - Receives deliveries on Monday and Tuesday in AM and PM
 - Trucks often must double park to make deliveries
 - **Supports AM Delivery Window**
- Excell Beauty Supply (north curb)
 - Receives deliveries mostly on Wednesday and Thursday, and less on Friday, from UPS, FedEx and vendors from 12pm to 5pm
 - **Supports PM Delivery Window**
- Brooklyn Pizzeria (south curb)
 - Receives deliveries on Monday at 10am
 - **Supports AM Delivery Window**
- 99 Cent Goal (south curb)
 - Receives multiple deliveries Wednesday through Friday in AM and PM
 - Store opens at 9:30am
 - Trucks often have trouble parking to make deliveries
 - **Sometimes the store does not receive a scheduled delivery at all because the truck could not find legal parking**
 - **Supports AM Delivery Window**
- Beverly Hills Bridal and Tuxedo (south curb)
 - Receives deliveries from UPS and FedEx, Monday through Friday throughout the day.
 - **Does Not Support Delivery Window**
 - Does not want to lose parking for customers

East 21th Street to Flatbush Avenue

- Dance (north curb)
 - Receives deliveries Monday through Friday throughout the day
 - Wednesday through Friday are the busiest delivery days
 - **Supports Conversion of No Parking Anytime zone to Truck Loading zone**



- Modell's Sporting Goods (north curb)
 - Receives deliveries Monday and Thursday from 11am to 1pm
 - Delivery trucks often receive tickets for illegally parking
 - A truck was recently ticketed while actively unloading, while parked in the No Parking Anytime, a zone that allows deliveries per NYC Traffic Rules
 - **Supports Conversion of No Parking Anytime zone to Truck Loading zone**

DRAFT