## Environmental Assessment Statement and Supplemental Report

for

# **5402 Fort Hamilton Parkway Rezoning**

### **CEQR # 14DCP135K**

**Prepared by:** 

Gerard Wall Brian Kintish Dana Feingold Sandstone Environmental Associates, Inc. Stantec Consulting Urban Cartographics

October 2014



# City Environmental Quality Review ENVIRONMENTAL ASSESSMENT STATEMENT (EAS) SHORT FORM FOR UNLISTED ACTIONS ONLY • Please fill out and submit to the appropriate agency (see instructions)

| Part I: GENERAL INFORMATION         |                                 |                      |   |                            |               |  |
|-------------------------------------|---------------------------------|----------------------|---|----------------------------|---------------|--|
| 1. Does the Action Exceed Any       | Type I Threshold                | in 6 NYCRR Pa        | rt 617.4 or 43 RCNY §6-15                 | (A) (Executive C           | )rder 91 of   |  |
| 1977, as amended)?                  | YES                             | NO 🛛                 |   |                            |               |  |
| If "yes," STOP and complete the     | FULL EAS FORM                   |                      |   |                            |               |  |
| 2. Project Name 5402 Fort Han       | nilton Parkway Re               | ezoning              |   |                            |               |  |
| 3. Reference Numbers                |                                 |                      |   |                            |               |  |
| CEQR REFERENCE NUMBER (to be assig  | ned by lead agency)             |                      | BSA REFERENCE NUMBER (if a                | applicable)                |               |  |
| 14DCP135K                           |                                 |                      |   |                            |               |  |
| ULURP REFERENCE NUMBER (if applica  | ble)                            |                      | OTHER REFERENCE NUMBER(S) (if applicable) |                            |               |  |
|                                     |                                 |                      | (e.g., legislative intro, CAPA)           |                            |               |  |
| 4a. Lead Agency Information         |                                 |                      |   | ion                        |               |  |
| NYC Department of City Plannin      | σ                               |                      | Fort Hamilton LLC                         |                            |               |  |
| NAME OF LEAD AGENCY CONTACT PER     | son                             |                      | NAME OF APPLICANT'S REPRI                 | ESENTATIVE OR CC           | NTACT PERSON  |  |
| Robert Dobruskin, Director, EAR     | D                               |                      | Deirdre Carson of Greer                   | nberg Traurig, L           | LC            |  |
| ADDRESS 22 Reade Street             |                                 |                      | ADDRESS 200 Park Avenu                    | ue 15 <sup>th</sup> floor  |               |  |
| CITY New York                       | STATE NY                        | ZIP 10007            | CITY New York                             | STATE NY                   | ZIP 10100     |  |
| TELEPHONE 212-720-3423              | EMAIL                           | ÷                    | TELEPHONE 212-801-                        | EMAIL carson               | d@gtlaw.com   |  |
|                                     | rdobrus@plann                   | ning.nyc.gov         | 6855                                      |                            |               |  |
| 5. Project Description              |                                 |                      |   |                            |               |  |
| The applicant seeks a zoning ma     | p amendment er                  | ntailing the ext     | ension of an existing R6 zor              | ning district to f         | acilitate the |  |
| construction of a mixed-use buil    | ding containing c               | community fac        | ility space (57,890 gsf), gro             | und floor comm             | nercial space |  |
| (5,614 gsf), and a sub-grade acco   | essory parking ga               | rage (151 spac       | ces).                                     |                            |               |  |
| Project Location                    |                                 |                      |   |                            |               |  |
| BOROUGH Brooklyn                    | COMMUNITY DIST                  | RICT(S) 12           | STREET ADDRESS 5402 For                   | t Hamilton Parl            | way           |  |
| TAX BLOCK(S) AND LOT(S) Block 567   | 3, Lots 42 and 50               |                      | ZIP CODE 11219                            |                            |               |  |
| DESCRIPTION OF PROPERTY BY BOUND    | ING OR CROSS STREE              | TS southwest         | corner of Fort Hamilton Pa                | rkway and 54 <sup>th</sup> | Street        |  |
| EXISTING ZONING DISTRICT, INCLUDING | G SPECIAL ZONING DI             | STRICT DESIGNAT      | TION, IF ANY R5/C1- ZONING                | G SECTIONAL MAP            | NUMBER 22a    |  |
| 3                                   |                                 |                      |   |                            |               |  |
| 6. Required Actions or Approva      | I <b>ls</b> (check all that app | oly)                 | <u>N</u>                                  |                            |               |  |
| City Planning Commission:           | YES NO                          |                      |   | VIEW PROCEDURE             | (ULURP)       |  |
|                                     |                                 | <b>CERTIFICATION</b> |   | CESSION                    |               |  |
|                                     |                                 | AUTHORIZATION        |   | AP                         |               |  |
|                                     |                                 | ITION—REAL PRC       |   | CABLE CONSENT              |               |  |
|                                     |                                 | ITION—REAL PRO       | PERTY FRAM                                | NCHISE                     |               |  |
|                                     |                                 | explain:             |   | DATE                       |               |  |
|                                     |                                 | ification; rer       | newal; other); EXPIRATION                 | DATE:                      |               |  |
| Poard of Standards and Anneal       |                                 |                      |   |                            |               |  |
|                                     | <b>S:</b> [] YES [              |                      |   |                            |               |  |
|                                     |                                 |                      |   |                            |               |  |
|                                     | pecify type: mod                | ification: rer       | newal:other): EXPIRATION                  | DΔTE·                      |               |  |
| SPECIEV AFFECTED SECTIONS OF THE 70 |                                 |                      |   | DATE.                      |               |  |
| Department of Environmental F       | Protection: V                   |                      | O If "yes." specify:                      |                            |               |  |
| Other City Approvals Subject to     | CEQR (check all the             | at apply)            |   |                            |               |  |
|                                     |                                 |                      | FUNDING OF CONSTRUC                       | CTION, specify:            |               |  |

|  |  |   | POLICY OR PLAN, specify:  |  |  |
|--|--|---|---|--|--|
| CONSTRUCTION OF PL   | JBLIC FACILITIES   |   | FUNDING OF PROGRAMS, specify:   |  |  |
| 384(b)(4) APPROVAL ERMITS, specify: Building permit  |  |   |   |  |  |
| OTHER, explain:  |  |   |   |  |  |
| Other City Approvals   | Not Subject to CEQR (ch  | eck all that apply)   |   |  |  |
| PERMITS FROM DOT'S   | OFFICE OF CONSTRUCTION   | MITIGATION AND  | LANDMARKS PRESERVATIO   | N COMMISSION APPROVAL  |  |
| COORDINATION (OCMC)  |  |   | OTHER, explain:   |  |  |
| State or Federal Actio   | ns/Approvals/Funding:  |   | If "yes," specify:  |  |  |
| 7. Site Description: Th  | e directly affected area consi   | sts of the project site and the   | area subject to any change i  | n regulatory controls. Except  |  |
| where otherwise indicated,   | provide the following inform   | ation with regard to the dired  | tly affected area.  |  |  |
| Graphics: The following  | graphics must be attached a  | nd each box must be checked   | off before the EAS is complete  | te. Each map must clearly depict   |  |
| the boundaries of the direct   | tly affected area or areas and   | l indicate a 400-foot radius d  | rawn from the outer bounda  | ries of the project site. Maps may   |  |
| not exceed 11 x 17 inches ir   | n size and, for paper filings, m   | nust be folded to 8.5 x 11 inch   | es.   |  |  |
| SITE LOCATION MAP  |  | NING MAP  | SANBOR  | IN OR OTHER LAND USE MAP   |  |
| ΤΑΧ ΜΑΡ  | FOF  | LARGE AREAS OR MULTIPLE   | SITES, A GIS SHAPE FILE THA   | T DEFINES THE PROJECT SITE(S)  |  |
| PHOTOGRAPHS OF TH  | E PROJECT SITE TAKEN WITH  | IN 6 MONTHS OF EAS SUBMI  | SSION AND KEYED TO THE SI   | TE LOCATION MAP  |  |
| Physical Setting (both c   | leveloped and undeveloped a  | areas)  |   |  |  |
| lotal directly affected area   | (sq. ft.): 11,167.5  | Wat   | erbody area (sq. ft) and type   |  |  |
| Roads, buildings, and other  | paved surfaces (sq. ft.): 11,  | 167.5 Oth   | er, describe (sq. ft.): 0   |  |  |
| 8. Physical Dimension  | s and Scale of Project (if   | f the project affects multiple  | sites, provide the total devel  | opment facilitated by the action)  |  |
| SIZE OF PROJECT TO BE DE   | /ELOPED (gross square feet):   | 99,034  |   |  |  |
| NUMBER OF BUILDINGS: 1   |  | GROSS FLOC  | OR AREA OF EACH BUILDING  | (sq. ft.): 99,034  |  |
| HEIGHT OF EACH BUILDING  | i (ft.): 66  | NUMBER OF   | STORIES OF EACH BUILDING  | 6  |  |
| Does the proposed project  | involve changes in zoning on   | one or more sites? X YES  |   |  |  |
| If "yes," specify: The total s   | square feet owned or control   | led by the applicant: 11,16   | 7.5   |  |  |
| The total square feet not owned or controlled by the applicant: $+/-22,000$  |  |   |   |  |  |
|  |  | the officer by the upplicant  |   |  |  |
| Does the proposed project  | involve in-ground excavation   | or subsurface disturbance, i  | ncluding, but not limited to f  | oundation work, pilings, utility   |  |
| Does the proposed project<br>lines, or grading?  | involve in-ground excavation   | i or subsurface disturbance, i  | ncluding, but not limited to f  | oundation work, pilings, utility   |  |
| Does the proposed project<br>lines, or grading?<br>If "yes," indicate the estima   | involve in-ground excavation<br>YES NO<br>ated area and volume dimens  | sions of subsurface permaner  | ncluding, but not limited to f  | oundation work, pilings, utility<br>e (if known):<br>8 528 cubic ft (width x length x  |  |
| Does the proposed project<br>lines, or grading?<br>If "yes," indicate the estima<br>AREA OF TEMPORARY DIST   | involve in-ground excavation<br>YES NO<br>ated area and volume dimens<br>URBANCE: sq. ft. (w   | sions of subsurface disturbance, in<br>sions of subsurface permaner<br>idth x length) VOLUM<br>depth)   | ncluding, but not limited to f<br>and temporary disturbance<br>E OF DISTURBANCE: +/-263   | oundation work, pilings, utility<br>e (if known):<br>3,528 cubic ft. (width x length x   |  |
| Does the proposed project<br>lines, or grading?<br>If "yes," indicate the estima<br>AREA OF TEMPORARY DIST<br>AREA OF PERMANENT DIST   | involve in-ground excavation<br>YES NO<br>ated area and volume dimens<br>URBANCE: sq. ft. (w<br>URBANCE: +/-10,692 sq. f   | sions of subsurface disturbance, in<br>sions of subsurface permaner<br>idth x length) VOLUM<br>depth)<br>t. (width x  | ncluding, but not limited to f<br>and temporary disturbance<br>E OF DISTURBANCE: +/-263   | oundation work, pilings, utility<br>e (if known):<br>3,528 cubic ft. (width x length x   |  |
| Does the proposed project<br>lines, or grading?<br>If "yes," indicate the estima<br>AREA OF TEMPORARY DIST<br>AREA OF PERMANENT DIST<br>length)  | involve in-ground excavation<br>YES NO<br>ated area and volume dimens<br>URBANCE: sq. ft. (w<br>URBANCE: +/-10,692 sq. f   | sions of subsurface disturbance, in<br>sions of subsurface permaner<br>idth x length) VOLUM<br>depth)<br>t. (width x  | ncluding, but not limited to f<br>and temporary disturbance<br>E OF DISTURBANCE: +/-263   | oundation work, pilings, utility<br>e (if known):<br>3,528 cubic ft. (width x length x   |  |
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| Does the proposed project<br>lines, or grading?<br>If "yes," indicate the estima<br>AREA OF TEMPORARY DIST<br>AREA OF PERMANENT DIST<br>length)<br><b>Description of Propose</b><br><b>Size</b> (in gross sq. ft.)   | involve in-ground excavation<br>YES NO<br>ated area and volume dimens<br>URBANCE: sq. ft. (w<br>URBANCE: +/-10,692 sq. f<br>ed Uses (please complete t<br><u>Residential</u><br>0  | isions of subsurface disturbance, is<br>sions of subsurface permaner<br>idth x length) VOLUM<br>depth)<br>t. (width x<br>he following information as a<br><u>Commercial</u><br>5,614  | ncluding, but not limited to f<br>nt and temporary disturbance<br>E OF DISTURBANCE: +/-263<br>ppropriate)<br><b>Community Facility</b><br>57,890  | oundation work, pilings, utility<br>e (if known):<br>3,528 cubic ft. (width x length x<br><b>B,528</b> cubic ft. ( <b>Manufacturing</b><br>0   |  |
| Does the proposed project<br>lines, or grading?<br>If "yes," indicate the estima<br>AREA OF TEMPORARY DIST<br>AREA OF PERMANENT DIST<br>length)<br>Description of Propose<br>Size (in gross sq. ft.)<br>Type (e.g., retail, office,<br>school)   | involve in-ground excavation<br>YES NO<br>ated area and volume dimens<br>URBANCE: sq. ft. (w<br>URBANCE: +/-10,692 sq. f<br>ed Uses (please complete t<br><u>Residential</u><br>0<br>0 units   | isions of subsurface disturbance, in<br>sions of subsurface permaner<br>idth x length) VOLUM<br>depth)<br>t. (width x<br>he following information as a<br><u>Commercial</u><br>5,614<br>ground floor retail   | ncluding, but not limited to f<br>at and temporary disturbance<br>E OF DISTURBANCE: +/-263<br>ppropriate)<br><u>Community Facility</u><br>57,890<br>medical center  | oundation work, pilings, utility<br>e (if known):<br>3,528 cubic ft. (width x length x<br>Industrial/Manufacturing<br>0  |  |
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| Does the proposed project<br>lines, or grading?<br>If "yes," indicate the estima<br>AREA OF TEMPORARY DIST<br>AREA OF PERMANENT DIST<br>length)<br><b>Description of Propose</b><br><b>Size</b> (in gross sq. ft.)<br><b>Type</b> (e.g., retail, office,<br>school)<br>Does the proposed project<br>If "yes," please specify:  | involve in-ground excavation<br>YES NO<br>ated area and volume dimens<br>URBANCE: sq. ft. (w<br>URBANCE: +/-10,692 sq. f<br>ed Uses (please complete t<br>Residential<br>0<br>0 units<br>increase the population of re   | to or subsurface disturbance, in<br>sions of subsurface permaner<br>idth x length) VOLUM<br>depth)<br>t. (width x<br>he following information as a<br><b>Commercial</b><br>5,614<br>ground floor retail<br>esidents and/or on-site worke  | ppropriate)<br><b>Community Facility</b><br>57,890<br>medical center<br>0<br>NUMBER OF<br>NUMBER OF   | oundation work, pilings, utility<br>e (if known):<br>3,528 cubic ft. (width x length x<br>Industrial/Manufacturing<br>0<br>0<br>ADDITIONAL WORKERS: 89   |  |
| Does the proposed project<br>lines, or grading?<br>If "yes," indicate the estima<br>AREA OF TEMPORARY DIST<br>AREA OF PERMANENT DIST<br>length)<br>Description of Propose<br>Size (in gross sq. ft.)<br>Type (e.g., retail, office,<br>school)<br>Does the proposed project<br>If "yes," please specify:<br>Provide a brief explanation  | involve in-ground excavation<br>YES NO<br>ated area and volume dimens<br>URBANCE: sq. ft. (w<br>URBANCE: +/-10,692 sq. f<br>ed Uses (please complete t<br>Residential<br>0<br>0 units<br>increase the population of re<br>NUMBER<br>of how these numbers were  | isions of subsurface disturbance, is<br>sions of subsurface permaner<br>idth x length) VOLUM<br>depth)<br>t. (width x<br>he following information as a<br><u>Commercial</u><br>5,614<br>ground floor retail<br>esidents and/or on-site worke<br>t OF ADDITIONAL RESIDENTS:<br>determined: 17 retail wo  | ppropriate)<br><b>Community Facility</b><br>57,890<br>medical center<br>YES N<br>0 NUMBER OF<br>rkers, assuming 3 worke   | oundation work, pilings, utility<br>e (if known):<br>8,528 cubic ft. (width x length x<br>Industrial/Manufacturing<br>0<br>O<br>ADDITIONAL WORKERS: 89<br>ers per 1.000 sf: 72 medical   |  |
| Does the proposed project<br>lines, or grading?<br>If "yes," indicate the estima<br>AREA OF TEMPORARY DIST<br>AREA OF PERMANENT DIST<br>length)<br><b>Description of Propose</b><br><b>Size</b> (in gross sq. ft.)<br><b>Type</b> (e.g., retail, office,<br>school)<br>Does the proposed project<br>If "yes," please specify:<br>Provide a brief explanation<br>center workers, as per   | involve in-ground excavation<br>YES NO<br>ated area and volume dimens<br>URBANCE: sq. ft. (w<br>URBANCE: +/-10,692 sq. f<br>ed Uses (please complete th<br>Residential<br>0<br>0 units<br>increase the population of re-<br>NUMBER<br>of how these numbers were<br>A. Frances Schwartz, th   | is one of subsurface disturbance, is<br>sions of subsurface permaner<br>idth x length) VOLUM<br>depth)<br>t. (width x<br>he following information as a<br><b>Commercial</b><br>5,614<br>ground floor retail<br>esidents and/or on-site worke<br>to GF ADDITIONAL RESIDENTS:<br>determined: 17 retail wo<br>he executive director of   | ppropriate)<br><b>Community Facility</b><br>57,890<br>medical center<br><b>Community Facility</b><br>57,890<br>Medical center<br><b>Community Facility</b><br><b>Community Facility Facilit</b> | oundation work, pilings, utility<br>e (if known):<br>8,528 cubic ft. (width x length x<br>Industrial/Manufacturing<br>0<br>O<br>ADDITIONAL WORKERS: 89<br>ers per 1,000 sf; 72 medical<br>enter and the Brooklyn   |  |
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| Does the proposed project<br>lines, or grading?<br>If "yes," indicate the estima<br>AREA OF TEMPORARY DIST<br>AREA OF PERMANENT DIST<br>length)<br>Description of Propose<br>Size (in gross sq. ft.)<br>Type (e.g., retail, office,<br>school)<br>Does the proposed project<br>If "yes," please specify:<br>Provide a brief explanation<br>center workers, as per<br>Midwifery Group.<br>Does the proposed project   | involve in-ground excavation<br>YES NO<br>ated area and volume dimens<br>URBANCE: sq. ft. (w<br>URBANCE: +/-10,692 sq. f<br>ed Uses (please complete th<br>Residential<br>0<br>0 units<br>increase the population of re<br>NUMBER<br>of how these numbers were<br>A. Frances Schwartz, th<br>create new open space?  | is one by the applicate '',<br>or subsurface disturbance, is<br>sions of subsurface permaner<br>idth x length) VOLUM<br>depth)<br>t. (width x<br>he following information as a<br><b>Commercial</b><br>5,614<br>ground floor retail<br>esidents and/or on-site worke<br>COF ADDITIONAL RESIDENTS:<br>determined: 17 retail wo<br>he executive director of   | ppropriate)<br><b>Community Facility</b><br>57,890<br>medical center<br>VES NUMBER OF<br>rkers, assuming 3 worke<br>the Brooklyn Birthing Co<br>yes," specify size of project-oc  | oundation work, pilings, utility<br>e (if known):<br>3,528 cubic ft. (width x length x<br>Industrial/Manufacturing<br>0<br>O<br>ADDITIONAL WORKERS: 89<br>ers per 1,000 sf; 72 medical<br>enter and the Brooklyn   |  |
| Does the proposed project<br>lines, or grading?<br>If "yes," indicate the estima<br>AREA OF TEMPORARY DIST<br>AREA OF PERMANENT DIST<br>length)<br><b>Description of Propose</b><br><b>Size</b> (in gross sq. ft.)<br><b>Type</b> (e.g., retail, office,<br>school)<br>Does the proposed project<br>If "yes," please specify:<br>Provide a brief explanation<br>center workers, as per<br>Midwifery Group.<br>Does the proposed project<br>Has a No-Action scenario b  | involve in-ground excavation<br>YES NO<br>ated area and volume dimens<br>URBANCE: sq. ft. (w<br>URBANCE: +/-10,692 sq. f<br>ed Uses (please complete t<br>Residential<br>0<br>0 units<br>increase the population of re<br>NUMBER<br>of how these numbers were<br>A. Frances Schwartz, th<br>create new open space?<br>een defined for this project t   | is one by the applicate ''''<br>or subsurface disturbance, in<br>sions of subsurface permaner<br>idth x length) VOLUM<br>depth)<br>t. (width x<br>he following information as a<br><b>Commercial</b><br>5,614<br>ground floor retail<br>esidents and/or on-site worke<br>to GF ADDITIONAL RESIDENTS:<br>determined: 17 retail wo<br>he executive director of<br>YES NO If "<br>hat differs from the existing of   | ppropriate)<br><b>Community Facility</b><br>57,890<br>medical center<br>ars? YES NUMBER OF<br>rkers, assuming 3 worked<br>the Brooklyn Birthing Com<br>yes," specify size of project-com<br>condition? YES  | oundation work, pilings, utility<br>e (if known):<br>3,528 cubic ft. (width x length x<br>Industrial/Manufacturing<br>0<br>O<br>ADDITIONAL WORKERS: 89<br>ers per 1,000 sf; 72 medical<br>enter and the Brooklyn<br>rreated open space: sq. ft.<br>NO  |  |
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| BRIEFLY DESCRIBE PHASES AND CONSTRUCTION SCHEDULE: |  |  |                        |                                  |  |
|--|--|--|------------------------|----------------------------------|--|
| 10. Predominant                                    | 10. Predominant Land Use in the Vicinity of the Project (check all that apply) |  |                        |                                  |  |
| RESIDENTIAL  |  |  | PARK/FOREST/OPEN SPACE | OTHER, specify:<br>Institutional |  |

#### Part II: TECHNICAL ANALYSIS

**INSTRUCTIONS**: For each of the analysis categories listed in this section, assess the proposed project's impacts based on the thresholds and criteria presented in the CEQR Technical Manual. Check each box that applies.

- If the proposed project can be demonstrated not to meet or exceed the threshold, check the "no" box.
- If the proposed project will meet or exceed the threshold, or if this cannot be determined, check the "yes" box.
- For each "yes" response, provide additional analyses (and, if needed, attach supporting information) based on guidance in the CEQR Technical Manual to determine whether the potential for significant impacts exists. Please note that a "yes" answer does not mean that an EIS must be prepared—it means that more information may be required for the lead agency to make a determination of significance.
- The lead agency, upon reviewing Part II, may require an applicant to provide additional information to support the Short EAS Form. For example, if a question is answered "no," an agency may request a short explanation for this response.

|   | YES | NO          |
|---|-----|-------------|
| 1. LAND USE, ZONING, AND PUBLIC POLICY: CEQR Technical Manual Chapter 4   |     |             |
| (a) Would the proposed project result in a change in land use different from surrounding land uses?   |     | $\square$   |
| (b) Would the proposed project result in a change in zoning different from surrounding zoning?  |     |             |
| (c) Is there the potential to affect an applicable public policy?   |     | $\square$   |
| (d) If "yes," to (a), (b), and/or (c), complete a preliminary assessment and attach.  |     |             |
| (e) Is the project a large, publicly sponsored project?   |     | $\square$   |
| <ul> <li>If "yes," complete a PlaNYC assessment and attach.</li> </ul>  |     |             |
| (f) Is any part of the directly affected area within the City's Waterfront Revitalization Program boundaries?   |     | $\square$   |
| <ul> <li>If "yes," complete the <u>Consistency Assessment Form</u>.</li> </ul>  |     |             |
| 2. SOCIOECONOMIC CONDITIONS: CEQR Technical Manual Chapter 5  |     |             |
| (a) Would the proposed project:   |     |             |
| <ul> <li>Generate a net increase of 200 or more residential units?</li> </ul>   |     | $\square$   |
| <ul> <li>Generate a net increase of 200,000 or more square feet of commercial space?</li> </ul>   |     | $\square$   |
| <ul> <li>Directly displace more than 500 residents?</li> </ul>  |     | $\square$   |
| <ul> <li>Directly displace more than 100 employees?</li> </ul>  |     | $\square$   |
| <ul> <li>Affect conditions in a specific industry?</li> </ul>   |     |             |
| 3. COMMUNITY FACILITIES: CEQR Technical Manual Chapter 6  |     | 1           |
| (a) Direct Effects  |     |             |
| <ul> <li>Would the project directly eliminate, displace, or alter public or publicly funded community facilities such as educational<br/>facilities, libraries, hospitals and other health care facilities, day care centers, police stations, or fire stations?</li> </ul> |     | $\square$   |
| (b) Indirect Effects  |     |             |
| <ul> <li>Child Care Centers: Would the project result in 20 or more eligible children under age 6, based on the number of low or<br/>low/moderate income residential units? (See Table 6-1 in <u>Chapter 6</u>)</li> </ul>  |     | $\boxtimes$ |
| <ul> <li>Libraries: Would the project result in a 5 percent or more increase in the ratio of residential units to library branches?<br/>(See Table 6-1 in <u>Chapter 6</u>)</li> </ul>  |     | $\square$   |
| <ul> <li>Public Schools: Would the project result in 50 or more elementary or middle school students, or 150 or more high school<br/>students based on number of residential units? (See Table 6-1 in <u>Chapter 6</u>)</li> </ul>  |     | $\square$   |
| <ul> <li>Health Care Facilities and Fire/Police Protection: Would the project result in the introduction of a sizeable new<br/>neighborhood?</li> </ul>   |     | $\square$   |
| 4. OPEN SPACE: CEQR Technical Manual Chapter 7  |     |             |
| (a) Would the proposed project change or eliminate existing open space?   |     | $\square$   |
| (b) Is the project located within an under-served area in the Bronx, Brooklyn, Manhattan, Queens, or Staten Island?   |     | $\square$   |
| $\circ~$ If "yes," would the proposed project generate more than 50 additional residents or 125 additional employees?   |     |             |
| (c) Is the project located within a well-served area in the Bronx, Brooklyn, Manhattan, Queens, or Staten Island?   |     | $\square$   |
| <ul> <li>If "yes," would the proposed project generate more than 350 additional residents or 750 additional employees?</li> </ul>   |     |             |
| (d) If the project in located an area that is neither under-served nor well-served, would it generate more than 200 additional<br>residents or 500 additional employees?  |     | $\square$   |

|   | YES         | NO        |
|---|-------------|-----------|
| 5. SHADOWS: CEQR Technical Manual Chapter 8   |             |           |
| (a) Would the proposed project result in a net height increase of any structure of 50 feet or more?   |             | $\square$ |
| (b) Would the proposed project result in any increase in structure height and be located adjacent to or across the street from a  | $\boxtimes$ |           |
| 6 HISTORIC AND CITITURAL RESOLIRCES: CEOR Technical Manual Chapter 9  |             |           |
| (a) Does the proposed project site or an adjacent site contain any architectural and/or archaeological resource that is eligible for or has been designated (or is calendared for consideration) as a New York City Landmark, Interior Landmark or Scenic Landmark; that is listed or eligible for listing on the New York State or National Register of Historic Places; or that is within a | $\square$   |           |
| designated or eligible New York City, New York State or National Register Historic District? (See the <u>GIS System for</u> <u>Archaeology and National Register</u> to confirm)  |             |           |
| (b) Would the proposed project involve construction resulting in in-ground disturbance to an area not previously excavated?   |             |           |
| (c) If "yes" to either of the above, list any identified architectural and/or archaeological resources and attach supporting informat   | ion on      |           |
| whether the proposed project would potentially affect any architectural or archeological resources. Mionastery of the Pre   | ecious e    | 51000     |
| ORBAN DESIGN AND VISUAL RESUGNCES. <u>CEQR Technical Manual Chapter 10</u>  | [           |           |
| (a) Would the proposed project introduce a new building, a new building height, or result in any substantial physical alteration<br>to the streetscape or public space in the vicinity of the proposed project that is not currently allowed by existing zoning?  | $\boxtimes$ |           |
| (b) Would the proposed project result in obstruction of publicly accessible views to visual resources not currently allowed by<br>existing zoning?  |             | $\square$ |
| 8. NATURAL RESOURCES: <u>CEQR Technical Manual Chapter 11</u>   |             | 1         |
| (a) Does the proposed project site or a site adjacent to the project contain natural resources as defined in Section 100 of<br><u>Chapter 11</u> ?  |             | $\square$ |
| <ul> <li>If "yes," list the resources and attach supporting information on whether the proposed project would affect any of these re</li> </ul>   | sources.    | -         |
| (b) Is any part of the directly affected area within the Jamaica Bay Watershed?   |             | $\square$ |
| <ul> <li>If "yes," complete the <u>Jamaica Bay Watershed Form</u>, and submit according to its <u>instructions</u>.</li> </ul>  |             |           |
| 9. HAZARDOUS MATERIALS: CEQR Technical Manual Chapter 12  |             |           |
| (a) Would the proposed project allow commercial or residential uses in an area that is currently, or was historically, a manufacturing area that involved hazardous materials?  |             | $\square$ |
| (b) Does the proposed project site have existing institutional controls ( <i>e.g.</i> , (E) designation or Restrictive Declaration) relating to   |             | $\square$ |
| <ul><li>hazardous materials that preclude the potential for significant adverse impacts?</li><li>(c) Would the project require soil disturbance in a manufacturing area or any development on or near a manufacturing area or</li></ul>   |             |           |
| existing/historic facilities listed in <u>Appendix 1</u> (including nonconforming uses)?  | $\square$   |           |
| (d) Would the project result in the development of a site where there is reason to suspect the presence of hazardous materials, contamination, illegal dumping or fill, or fill material of unknown origin?   | $\square$   |           |
| (e) Would the project result in development on or near a site that has or had underground and/or aboveground storage tanks (e.g., gas stations, oil storage facilities, heating oil storage)?   | $\boxtimes$ |           |
| (f) Would the project result in renovation of interior existing space on a site with the potential for compromised air quality;   |             | $\square$ |
| <ul> <li>(g) Would the project result in development on or near a site with potential hazardous materials issues such as government-<br/>listed voluntary cleanup/brownfield site, current or former power generation/transmission facilities, coal gasification or gas<br/>storage sites, railroad tracks or rights-of-way, or municipal incinerators?</li> </ul>                            |             |           |
| (h) Has a Phase I Environmental Site Assessment been performed for the site?  | $\boxtimes$ |           |
| <ul> <li>If "yes," were Recognized Environmental Conditions (RECs) identified? Briefly identify: Site's former use as a gas<br/>station and provimity of a dry cleanor.</li> </ul>  | $\boxtimes$ |           |
| 10 WATER AND SEWER INERASTRI ICTURE: CEOR Technical Manual Chapter 13   |             |           |
| (a) Would the project result in water demand of more than one million callence per day?   |             |           |
| (a) would the project result in water demand of more than one million gallons per day?  |             |           |
| square feet or more of commercial space in Manhattan, or at least 400 residential units or 150,000 square feet or more of commercial space in the Bronx, Brooklyn, Staten Island, or Queens?  |             | $\square$ |
| (c) If the proposed project located in a <u>separately sewered area</u> , would it result in the same or greater development than the amounts listed in Table 13-1 in <u>Chapter 13</u> ?   |             |           |
| (d) Would the proposed project involve development on a site that is 5 acres or larger where the amount of impervious surface would increase?   |             | $\square$ |
| (e) If the project is located within the <u>Jamaica Bay Watershed</u> or in certain <u>specific drainage areas</u> , including Bronx River, Coney Island Creek, Flushing Bay and Creek, Gowanus Canal, Hutchinson River, Newtown Creek, or Westchester Creek, would it  |             |           |
|   |             |           |

|   | YES         | NO          |
|---|-------------|-------------|
| involve development on a site that is 1 acre or larger where the amount of impervious surface would increase?   |             |             |
| (f) Would the proposed project be located in an area that is partially sewered or currently unsewered?  |             | $\square$   |
| (g) Is the project proposing an industrial facility or activity that would contribute industrial discharges to a Wastewater<br>Treatment Plant and/or generate contaminated stormwater in a separate storm sewer system?  |             | $\square$   |
| (h) Would the project involve construction of a new stormwater outfall that requires federal and/or state permits?  |             | $\square$   |
| 11. SOLID WASTE AND SANITATION SERVICES: CEQR Technical Manual Chapter 14   |             |             |
| (a) Using Table 14-1 in <u>Chapter 14</u> , the project's projected operational solid waste generation is estimated to be (pounds per wee 13,149.5  | ≥k):        |             |
| <ul> <li>Would the proposed project have the potential to generate 100,000 pounds (50 tons) or more of solid waste per week?</li> </ul>   |             | $\square$   |
| (b) Would the proposed project involve a reduction in capacity at a solid waste management facility used for refuse or recyclables generated within the City?   |             | $\boxtimes$ |
| 12. ENERGY: CEQR Technical Manual Chapter 15  |             |             |
| <ul> <li>(a) Using energy modeling or Table 15-1 in <u>Chapter 15</u>, the project's projected energy use is estimated to be (annual BTUs):<br/>15,727,331,200</li> </ul>   |             |             |
| (b) Would the proposed project affect the transmission or generation of energy?   |             | $\square$   |
| 13. TRANSPORTATION: CEQR Technical Manual Chapter 16  |             |             |
| (a) Would the proposed project exceed any threshold identified in Table 16-1 in <u>Chapter 16</u> ?   | $\square$   |             |
| (b) If "yes," conduct the screening analyses, attach appropriate back up data as needed for each stage and answer the following q   | uestions    | :           |
| <ul> <li>Would the proposed project result in 50 or more Passenger Car Equivalents (PCEs) per project peak hour?</li> </ul>   | $\square$   |             |
| If "yes," would the proposed project result in 50 or more vehicle trips per project peak hour at any given intersection?<br>**It should be noted that the lead agency may require further analysis of intersections of concern even when a project  | $\square$   |             |
| generates fewer than 50 vehicles in the peak hour. See Subsection 313 of <u>Chapter 16</u> for more information.  |             |             |
| • Would the proposed project result in more than 200 subway/rail or bus trips per project peak hour?  |             |             |
| If "yes," would the proposed project result, per project peak hour, in 50 or more bus trips on a single line (in one direction) or 200 subway trips per station or line?  |             |             |
| <ul> <li>Would the proposed project result in more than 200 pedestrian trips per project peak hour?</li> </ul>  |             | $\square$   |
| If "yes," would the proposed project result in more than 200 pedestrian trips per project peak hour to any given<br>pedestrian or transit element, crosswalk, subway stair, or bus stop?  |             |             |
| 14. AIR QUALITY: CEQR Technical Manual Chapter 17   |             |             |
| (a) <i>Mobile Sources</i> : Would the proposed project result in the conditions outlined in Section 210 in <u>Chapter 17</u> ?  |             |             |
| (b) Stationary Sources: Would the proposed project result in the conditions outlined in Section 220 in Chapter 17?  | $\square$   |             |
| <ul> <li>If "yes," would the proposed project exceed the thresholds in Figure 17-3, Stationary Source Screen Graph in <u>Chapter 17</u>?<br/>(Attach graph as needed)</li> </ul>  |             | $\square$   |
| (c) Does the proposed project involve multiple buildings on the project site?   |             | $\square$   |
| (d) Does the proposed project require federal approvals, support, licensing, or permits subject to conformity requirements?   |             | $\square$   |
| (e) Does the proposed project site have existing institutional controls ( <i>e.g.</i> , (E) designation or Restrictive Declaration) relating to air quality that preclude the potential for significant adverse impacts?  |             | $\boxtimes$ |
| 15. GREENHOUSE GAS EMISSIONS: CEQR Technical Manual Chapter 18  |             |             |
| (a) Is the proposed project a city capital project or a power generation plant?   |             | $\square$   |
| (b) Would the proposed project fundamentally change the City's solid waste management system?   |             | $\square$   |
| (c) If "yes" to any of the above, would the project require a GHG emissions assessment based on the guidance in Chapter 18?   |             |             |
| 16. NOISE: CEQR Technical Manual Chapter 19   |             |             |
| (a) Would the proposed project generate or reroute vehicular traffic?   | $\square$   |             |
| (b) Would the proposed project introduce new or additional receptors (see Section 124 in <u>Chapter 19</u> ) near heavily trafficked<br>roadways, within one horizontal mile of an existing or proposed flight path, or within 1,500 feet of an existing or proposed<br>rail line with a direct line of site to that rail line? | $\boxtimes$ |             |
| (c) Would the proposed project cause a stationary noise source to operate within 1,500 feet of a receptor with a direct line of sight to that receptor or introduce receptors into an area with high ambient stationary noise?  |             | $\boxtimes$ |
| (d) Does the proposed project site have existing institutional controls ( <i>e.g.</i> , (E) designation or Restrictive Declaration) relating to noise that preclude the potential for significant adverse impacts?  |             | $\square$   |

|  | YES   | NO  |
|--|---|---|
| 17. PUBLIC HEALTH: CEQR Technical Manual Chapter 20  |   |   |
| (a) Based upon the analyses conducted, do any of the following technical areas require a detailed analysis: Air Quality;<br>Hazardous Materials; Noise?  |   | $\square$                                     |
| (b) If "yes," explain why an assessment of public health is or is not warranted based on the guidance in Chapter 20, "Public Healt   | h." Attac   | :h a  |
| preliminary analysis, if necessary.  |   |   |
| 18. NEIGHBORHOOD CHARACTER: CEQR Technical Manual Chapter 21   |   |   |
| (a) Based upon the analyses conducted, do any of the following technical areas require a detailed analysis: Land Use, Zoning,<br>and Public Policy; Socioeconomic Conditions; Open Space; Historic and Cultural Resources; Urban Design and Visual<br>Resources: Shadows: Transportation: Noise?   |   | $\boxtimes$                                   |
| (b) If "yes," explain why an assessment of neighborhood character is or is not warranted based on the guidance in <u>Chapter 21</u> , "N   | √eighborl   | nood  |
| Character." Attach a preliminary analysis, if necessary.   |   |   |
| 19. CONSTRUCTION: CEQR Technical Manual Chapter 22   |   |   |
| (a) Would the project's construction activities involve:   |   |   |
| <ul> <li>Construction activities lasting longer than two years?</li> </ul>   |   | $\square$                                     |
| o Construction activities within a Central Business District or along an arterial highway or major thoroughfare?   | $\square$   |   |
| <ul> <li>Closing, narrowing, or otherwise impeding traffic, transit, or pedestrian elements (roadways, parking spaces, bicycle<br/>routes, sidewalks, crosswalks, corners, <i>etc.</i>)?</li> </ul>  |   | $\square$                                     |
| <ul> <li>Construction of multiple buildings where there is a potential for on-site receptors on buildings completed before the final<br/>build-out?</li> </ul>   |   | $\square$                                     |
| <ul> <li>The operation of several pieces of diesel equipment in a single location at peak construction?</li> </ul>   |   | $\square$                                     |
| <ul> <li>Closure of a community facility or disruption in its services?</li> </ul>   |   | $\boxtimes$                                   |
| <ul> <li>Activities within 400 feet of a historic or cultural resource?</li> </ul>   |   |   |
| <ul> <li>Disturbance of a site containing or adjacent to a site containing natural resources?</li> </ul>   |   | $\square$                                     |
| <ul> <li>Construction on multiple development sites in the same geographic area, such that there is the potential for several<br/>construction timelines to overlap or last for more than two years overall?</li> </ul>  |   | $\square$                                     |
| <ul> <li>(b) If any boxes are checked "yes," explain why a preliminary construction assessment is or is not warranted based on the guidance <u>22</u>, "Construction." It should be noted that the nature and extent of any commitment to use the Best Available Technology for equipment or Best Management Practices for construction activities should be considered when making this determination.</li> <li>Construction of a new building will occur on the project site whether or not the Proposed Action is taken, and construction activities of comparable duration, phasing, and effects would occur under the no-Action and Active scenarios. The Proposed Action would add approximately two months to the construction period, which would significant difference, and in either case the construction period would be less than two years. The Proposed would not affect the number of workers or the amount or type of equipment at the site at any time. Although building's foundation would be eight feet deeper under the Action scenario, excavation and construction tectwould be the same under both scenarios; in neither case would blasting be necessary, and in either case screed driving would be used.</li> </ul> | ce in <u>Cha</u><br>r constru<br>d simila<br>tion<br>Ild not l<br>d Actior<br>gh the<br>hnique:<br>w pile | p <u>ter</u><br>iction<br>r<br>be a<br>n<br>s |
| 20. APPLICANT'S CERTIFICATION  |   |   |
| I swear or affirm under oath and subject to the penalties for perjury that the information provided in this Environmenta<br>Statement (EAS) is true and accurate to the best of my knowledge and belief, based upon my personal knowledge and f<br>with the information described herein and after examination of the pertinent books and records and/or after inquiry of<br>have personal knowledge of such information or who have examined pertinent books and records.   | l Assess<br>amiliarit<br>persons  | ment<br>zy<br>s who                           |

Still under oath, I further swear or affirm that I make this statement in my capacity as the applicant or representative of the entity that seeks the permits, approvals, funding, or other governmental action(s) described in this EAS.

 APPLICANT/REPRESENTATIVE NAME
 DATE

10/16/14

PLEASE NOTE THAT APPLICANTS MAY BE REQUIRED TO SUBSTANTIATE RESPONSES IN THIS FORM AT THE DISCRETION OF THE LEAD AGENCY SO THAT IT MAY SUPPORT ITS DETERMINATION OF SIGNIFICANCE.

| F d   | THILDETERMINATION OF SIGNIFICANCE (TO be completing Dart III, the lead agency show | Id concult 6 NVCPB 617 7 and 42 DCNV & 6 (          |              | di sa       |  |  |  |
|---|--|---|--------------|-------------|--|--|--|
|   | der 01 er 1077 as amended) which contain the State and                             | City criteria for determining significance          | UB (Execut   | live        |  |  |  |
| Order 91 or 1977, as amended), which contain the State and City criteria for determining significance.        |  |   |              |             |  |  |  |
| <b>1.</b> For each of the impact categories listed below, consider whether the project may have a significant |  |   |              |             |  |  |  |
|   | duration; (d) irrouarsibility (a) geographic scope, and (f) magnitude              |   |              |             |  |  |  |
|   | duration, (d) inteversibility, (e) geographic scope, and (i) i                     | magnitude.  | Adverse      | Impact      |  |  |  |
| Ļ   | IMPACT CATEGORY  |   | YES          | NO          |  |  |  |
|   | Land Use, Zoning, and Public Policy  |   |              |             |  |  |  |
|   | Socioeconomic Conditions   |   |              |             |  |  |  |
|   | Community Facilities and Services  |   |              | $\square$   |  |  |  |
|   | Open Space   |   |              |             |  |  |  |
|   | Shadows  |   |              |             |  |  |  |
|   | Historic and Cultural Resources  |   |              |             |  |  |  |
|   | Urban Design/Visual Resources  |   |              |             |  |  |  |
|   | Natural Resources  |   | Ē            |             |  |  |  |
| T   | Hazardous Materials  |   | Ē            |             |  |  |  |
|   | Water and Sewer Infrastructure   |   |              |             |  |  |  |
| F   | Solid Waste and Sanitation Services  |   |              |             |  |  |  |
| F   | Energy   |   |              |             |  |  |  |
| F   | Transportation   |   |              |             |  |  |  |
|   | Air Quality  | · · · · · · · · · · · · · · · · · · ·               |              |             |  |  |  |
| ł   | Greenhouse Gas Emissions   |   |              |             |  |  |  |
| ł   | Noiso  |   |              |             |  |  |  |
| ŀ   |  |   |              |             |  |  |  |
| -   |  |   |              | <u>⊢   </u> |  |  |  |
| ł   |  |   |              |             |  |  |  |
|   | Construction   |   |              |             |  |  |  |
|   | <b>2.</b> Are there any aspects of the project relevant to the deter               | mination of whether the project may have a          |              |             |  |  |  |
|   | significant impact on the environment, such as combined                            | or cumulative impacts, that were not fully          |              |             |  |  |  |
|   | covered by other responses and supporting materials?                               |   |              |             |  |  |  |
|   | If there are such impacts, attach an explanation stating w                         | hether, as a result of them, the project may        |              |             |  |  |  |
|   | have a significant impact on the environment.                                      |   |              |             |  |  |  |
|   | <b>3.</b> Check determination to be issued by the lead agenc                       | y:  |              |             |  |  |  |
|   | Positive Declaration: If the lead agency has determined that                       | at the project may have a significant impact on t   | he environ   | ment,       |  |  |  |
|   | and if a Conditional Negative Declaration is not appropria                         | ite, then the lead agency issues a Positive Decla   | ration and   | prepares    |  |  |  |
|   | a draft Scope of Work for the Environmental Impact State                           | ement (EIS).  |              |             |  |  |  |
|   | Conditional Negative Declaration: A Conditional Negative                           | Declaration (CND) may be appropriate if there       | is a private |             |  |  |  |
| $\square$   | conditional Negative Declaration: A Conditional Negative                           | posed by the lead agapty will medify the prene      | is a private | :<br>       |  |  |  |
|   | no significant adverse environmental impacts would resu                            | It. The CND is prepared as a separate documen       | t and is sul | so that     |  |  |  |
|   | the requirements of 6 NYCRR Part 617.  | it. The end is prepared as a separate document      |              | Ject to     |  |  |  |
| _   |  |   |              |             |  |  |  |
|   | Negative Declaration: If the lead agency has determined th                         | hat the project would not result in potentially sig | gnificant ac | lverse      |  |  |  |
|   | environmental impacts, then the lead agency issues a Neg                           | gative Declaration. The Negative Declaration ma     | ay be prep   | ared as a   |  |  |  |
|   | separate document (see <u>template</u> ) or using the embedde                      | d Negative Declaration on the next page.            |              |             |  |  |  |
| <b>TIT</b>  | 4. LEAD AGENCY S CERTIFICATION   |   |              |             |  |  |  |
| Deputy Director, Environmental Accordment and Review New York City Deputy and City Deputy                     |  |   |              |             |  |  |  |
|   | Division   |   |              |             |  |  |  |
|   |  |   |              |             |  |  |  |
|   | va Abinader  | 10/17/14  |              |             |  |  |  |
| 516   | NATURE   |   |              |             |  |  |  |
| (   | Ulga thing   |   |              |             |  |  |  |
|   |  |   |              |             |  |  |  |

### **NEGATIVE DECLARATION (Use of this form is optional)**

### **Statement of No Significant Effect**

Pursuant to Executive Order 91 of 1977, as amended, and the Rules of Procedure for City Environmental Quality Review, found at Title 62, Chapter 5 of the Rules of the City of New York and 6 NYCRR, Part 617, State Environmental Quality Review, assumed the role of lead agency for the environmental review of the proposed project. Based on a review of information about the project contained in this environmental assessment statement and any attachments hereto, which are incorporated by reference herein, the lead agency has determined that the proposed project would not have a significant adverse impact on the environment.

#### **Reasons Supporting this Determination**

The above determination is based on information contained in this EAS, which finds that the proposed project:

No other significant effects upon the environment that would require the preparation of a Draft Environmental Impact Statement are foreseeable. This Negative Declaration has been prepared in accordance with Article 8 of the New York State Environmental Conservation Law (SEQRA).

| TITLE     | LEAD AGENCY |
|-----------|-------------|
|           |             |
| NAME      | DATE        |
|           |             |
| SIGNATURE |             |
|           |             |

# EAS SUPPLEMENTAL REPORT

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# **1. PROJECT DESCRIPTION**

### **PROPOSED ACTION**

The Proposed Action involves an application by the project sponsor, Fort Hamilton, LLC, for a zoning map amendment that would rezone portions of two blocks located within the Borough Park neighborhood of Brooklyn's Community District 12. The two blocks are bounded by Fort Hamilton Parkway, 55<sup>th</sup> Street, 9<sup>th</sup> Avenue, and 53<sup>rd</sup> Street. (See Figure 1-1 for the location of the proposed action.)

The proposed zoning map change would cover all or part of four tax lots on these two blocks (the "rezoning area"), identified on the New York City Tax Map as Block 5673, Lots 41, 42, and 50, and Block 5666, Lot 20. (See Figure 1-2 for the tax maps for these blocks.)

The proposed rezoning entails the extension of an existing R6 zoning district, which south of 53<sup>rd</sup> Street now extends east to a line 100 feet from the western frontage of Fort Hamilton Parkway, and north of 53<sup>rd</sup> Street extends further east across Fort Hamilton Parkway. An R5 district now covers the area south and east of the R6 district, spanning Fort Hamilton Parkway south of 53<sup>rd</sup> Street, and including the proposed rezoning area. The Proposed Action would extend the R6 district eastwards and southwards, to the western edge of Fort Hamilton Parkway between 53<sup>rd</sup> Street and the middle of the blockfront between 54<sup>th</sup> and 55<sup>th</sup> Streets. In addition, a C1-3 commercial overlay covers the western blockfront of Fort Hamilton Parkway between 54<sup>th</sup> and 55<sup>th</sup> Streets, to a depth of 100 feet. It is proposed that the existing C1-3 commercial overlay continue to be mapped over the portion of that block to be rezoned. (See Figure 1-3 for a plan of the proposed rezoning area, and a delineation of the project site.)

The project sponsor proposes to construct a single-building, mixed-use development containing community facility space and ground floor commercial space (the "proposed project") on Lots 42 and 50 of Block 5673 (the "project site," referred to in Uniform Land Use Review Process (ULURP) documents as the "development area"). The property now contains a vacant former auto repair shop (a discontinued nonconforming use) on Lot 42 and a vacant, three-story building, which formerly contained two residential units above ground floor retail space, on Lot 50.

The portion of Block 5666 to be rezoned is between 53<sup>rd</sup> and 54<sup>th</sup> Streets, across 53<sup>rd</sup> Street from the project site, and is described in this environmental assessment statement (EAS) as an out parcel, meaning a property to be rezoned outside the control of the applicant. It has been occupied by a major institutional structure, the Monastery of the Precious Blood, since 1910. The fourth lot within the proposed rezoning area (Block 5673, Lot 41) is also an out parcel, a small lot on the south side of 54<sup>th</sup> Street, that is now divided between the R5 and R6 districts. As explained below under Reasonable Worst Case Development Scenario, neither out parcel is expected to be redeveloped or enlarged as a result of the Proposed Action.

*The traffic analysis indicates that project-generated traffic has the potential to generate a significant adverse impact.* The proposed traffic mitigation measures, including signal timing modifications and revisions to on-street parking regulations, would fully mitigate the potential impact. In consultation with NYCDOT, these measures were deemed to be reasonable and appropriate. A Restrictive Declaration will be recorded against the project site to ensure that the proposed traffic mitigation measures are implemented at the time of development to avoid a significant adverse impact.

### **PROPOSED PROJECT**

The project site is owned by the applicant and consists of the contiguous tax lots identified as Block 5673, Lots 42 and 50. Lot 42 is on the southwest corner of 54<sup>th</sup> Street and Fort Hamilton Parkway. Lot 50 is to the immediate south and fronts on Fort Hamilton Parkway. The site contains 11,167.5 square feet of lot area.

Whether or not the Proposed Action is taken, the applicant intends to redevelop the site with a single mixed-use building containing a medical center, ground floor retail space, and a below-grade accessory parking garage. The applicant intends to construct a six-story building with 50,669 square feet of above grade floor area, for a floor area ratio (FAR) of 4.54. Because the proposed zoning would allow a 4.8 FAR building with 53,604 zoning square feet, this EAS assumes a building with 53,604 square feet of above grade floor area, and that is the proposed project described below and assessed in the remainder of the EAS.

The building would contain a total of 53,604 square feet above grade, including 47,990 square feet of community facility (medical center) space and 5,614 square feet of commercial (retail) space. Another 9,900 square feet of medical center space would occupy the cellar. This would bring the total amount of medical center space to 57,890 square feet and the total amount of gross rentable area (including the retail space) to 63,504 square feet. There would also be an accessory automated parking garage with an entrance on 54<sup>th</sup> Street and 151 parking spaces on up to three sub-cellar levels, occupying up to 35,530 square feet. (The amount of required garage space depends on the technology that is used.) Assuming the largest possible garage, the building's total gross floor area would be 99,034 square feet. This is summarized below in Table 1-1.

|                                   |        |        |      | Table 1-1   | L              |             |           |
|-----------------------------------|--------|--------|------|-------------|----------------|-------------|-----------|
| Proposed Project Building Summary |        |        |      |             |                |             |           |
| GSF                               | GSF    | Total  |      | Commercial  | Community      | Accessory   | Accessory |
| Above                             | Below  |        | DU's |             | Facility Space | Parking     | Parking   |
| Grade                             | Grade  | USF    |      | Space (USF) | (GSF)*         | (Spaces) ** | (GSF)     |
| 53,604                            | 45,430 | 99,034 | 0    | 5,614       | 57,890         | 151         | 35,530    |

Tabla 1-1

\* Medical Center

\*\* Automated Car Storage

The building would have a roof height of 66 feet and a maximum building height of 76 feet to the top of the mechanical bulkhead. The building's lower floors would cover the entire site, except for a rear yard of approximately 475 square feet at the southwest corner of the property, but the building would be set back 23 feet 2 inches from 54th Street and 17 feet 3 inches from Fort Hamilton Parkway above the fourth floor (44 feet in height). The first three floors would each contain 10,387 square feet. The fourth floor would contain 9,734 square feet. The top two floors would both contain 6,354 square feet. (See Appendix 1, Architectural Plans for the Proposed Building.)

The medical center would be a consolidated women's health center, which would include the Brooklyn Birthing Center, the offices of the Brooklyn Midwifery Group, and other medical services and practices (including gynecology and obstetrics, perinatal care, cardiology, and radiology) designed to address the medical needs of women, plus circumcision, social work, and education and consultation regarding childbirth, nutrition, and lactation. Patients would have the option of giving birth in the onsite birthing center, which would be an outpatient facility licensed by the State of New York, or in nearby Maimonides Medical Center, located approximately a quarter-mile away on Fort Hamilton Parkway and accessible by bus from the project site. Many members of the medical staff would have admitting privileges at Maimonides. The medical center lobby and reception area would be entered from Fort Hamilton Parkway.

The Brooklyn Birthing Center and the Brooklyn Midwifery Group now occupy a smaller facility at 2183 Ocean Avenue in Midwood. It now has seven midwives, three obstetrician/gynecologists, a medical director, and 25 other employees, and an average of approximately 40 visitors a day. The staff and the



5402 FORT HAMILTON PARKWAY REZONING Brooklyn, New York



### 5402 FORT HAMILTON PARKWAY REZONING

Brooklyn, New York



### 5402 FORT HAMILTON PARKWAY REZONING

Brooklyn, New York

number of visitors are both expected to double after the move to the proposed facility, according to A. Frances Schwartz, the executive director of the Brooklyn Birthing Center and the Brooklyn Midwifery Group.

### REASONABLE WORST CASE DEVELOPMENT SCENARIO

As described above, the EAS assumes a proposed project that would contain the maximum permissible floor area allowed by the proposed zoning.

As noted above, two out parcels would be partially rezoned from R5 to R6. These are identified as Block 5763, Lot 41 (immediately west of the project site) and Block 5666, Lot 20 (immediately north of the project site, across 54<sup>th</sup> Street).

*Block 5673, Lot 41, Fronting on 54<sup>th</sup> Street.* Though a portion of this lot would be rezoned from R5 to R6, the permitted density on the lot would not change. Under the so-called "25-foot rule," if a zoning lot is divided between two or more zoning districts and no portion of the lot not within the district that covers a majority of the lot's area is located more than 25 feet from the boundary of that district, then the regulations applicable to the zoning district covering the majority of the lot may be applied to the entire lot. The majority (55 percent) of Lot 41 is within the R6 district, and no portion of the lot is further than 25 feet from the R6 district boundary. The bulk regulations applicable to the R6 district could therefore be applied to the entire lot even under the current zoning. Hence, the Proposed Action would have no practical effect on the lot's redevelopment potential and would not result in the redevelopment of this lot.

*Block 5666, Lot 20 (Monastery of the Precious Blood).* This institutional use is located on a 115,274 square foot parcel. Most (82 percent) of the lot is already zoned R6; the remainder (18 percent) is zoned R5. Under current zoning, a residential use of 256,144 zoning square feet could be built. Under the proposed rezoning, the residential development potential would increase by 9 percent to 280,116 square feet. The community facility development potential would increase by 11 percent, from 496,433 to 553,315 zoning square feet. Given that the monastery is an institutional use that has occupied the site since 1910, and that redevelopment has not occurred despite the substantial development potential under the existing zoning, it would seem unlikely that a 9 percent increase in permitted residential floor area or an 11 percent increase in permitted community facility floor area would trigger the redevelopment of this parcel.

For these reasons, both of the out parcels would be expected to retain their current uses at their current densities under the Proposed Action.

### **REDEVELOPMENT OF THE PROJECT SITE IN THE FUTURE WITHOUT THE PRPOSED ACTION**

As mentioned above, the applicant intends to redevelop the site with a single mixed-use building containing a medical center, ground floor retail space, and a below-grade accessory parking garage whether or not the Proposed Action is taken. In the future without the Proposed Action, the project site would continue to be zoned R5/C1-3, and it would be redeveloped in accordance with the regulations applicable to those districts. There would be a total of 22,879 square feet above grade, including 17,265 square feet of community facility (medical center) space and 5,614 square feet of commercial (retail) space. Another 9,900 square feet of medical center space would occupy the cellar. This would bring the total amount of medical center space to 27,165 square feet and the total amount of gross rentable area (including the retail space) to 32,779 square feet. There would also be an accessory automated parking garage with an entrance on 54<sup>th</sup> Street and 82 parking spaces on up to two sub-cellar levels, occupying up to 19,594 square feet. (As under the Action condition, the amount of required garage space depends on

the technology that is used.) Assuming the largest possible garage, the building's total gross floor area would be 52,373 square feet. This is summarized below in Table 1-2.

| Table 1-2                  |        |        |      |             |                |             |           |
|----------------------------|--------|--------|------|-------------|----------------|-------------|-----------|
| No-Action Building Summary |        |        |      |             |                |             |           |
| GSF                        | GSF    | Total  |      | Commercial  | Community      | Accessory   | Accessory |
| Above                      | Below  | GSF    | DU's | Space (GSF) | Facility Space | Parking     | Parking   |
| Grade                      | Grade  |        |      |             | (GSF)*         | (Spaces) ** | (GSF)     |
| 22,879                     | 29,494 | 52,373 | 0    | 5,614       | 27,165         | 82          | 19,594    |

\* Medical Center

\*\* Automated Car Storage

The new building would have the same footprint as the proposed project, but the building would be three stories in height (about 33 feet to the roof, plus an additional 11 feet of height for the mechanical bulkhead). The building would be set back 30 feet from 54<sup>th</sup> Street and 27 feet one inch from Fort Hamilton Parkway above the second floor (22 feet in height). (See Appendix 2, No-Action Building Site Plan.)

### **INCREMENT BETWEEN THE ACTION AND NO-ACTION CONDITIONS**

Since the project site would be redeveloped with a medical center and retail space under both the Action and No-Action scenarios, the net effect of the Proposed Action would be the incremental increase in development between the two scenarios. The amount of retail space would be the same, but the Proposed Action would result in 30,725 square feet more medical center space. The Proposed Action would result in 30,725 square feet more above grade floor area and 46,661 square feet more of total gross floor area. With the Proposed Action, the accessory parking garage would contain 69 more parking spaces. This is summarized in Table 1-3.

| 1 able 1-3  |        |        |      |                           |                |             |           |
|---|--------|--------|------|---------------------------|----------------|-------------|-----------|
| Increment between the Action and No-Action Conditions |        |        |      |                           |                |             |           |
| GSF   | GSF    | Total  |      | Commercial                | Community      | Accessory   | Accessory |
| Above   | Below  | CSE    | DU's | Commercial<br>Space (CSE) | Facility Space | Parking     | Parking   |
| Grade   | Grade  | USF    |      | Space (USF)               | (GSF)*         | (Spaces) ** | (GSF)     |
| 30,725  | 15,936 | 46,661 | 0    | 0                         | 30,725         | 69          | 15,936    |

**TII 1 3** 

\* Medical Center

\*\* Automated Car Storage

With the Proposed Action, the new building would be three stories (33 feet) taller than under the No-Action scenario. The building would have the same footprint under the No-Action condition, but it would set back from the street lines at a level two stories (22 feet) higher.

### PURPOSE AND NEED

Approval of the Proposed Action would provide expanded healthcare facilities appropriate for the existing and future residents of the neighborhood. The proposed medical facility would offer services that complement those of Maimonides Medical Center, located approximately a quarter-mile away on Fort Hamilton Parkway and directly accessible by bus, where many members of the facility's medical staff

would have admitting privileges. The rezoning area would include the blockfront to the north of the project site to preserve a clear, consistent zoning district boundary.

### CONSTRUCTION PHASING

The proposed project is expected to be constructed in a single phase, expected to last just under two years. For purposes of the analyses in this EAS, it is assumed that completion of construction for the entire project will occur in 2016.

### **REQUIRED APPROVALS**

The proposed project would require a zoning map amendment. The site is currently zoned R5 with a C1-3 commercial overlay district, which allows an FAR of 2.0 for community facility uses. To implement the project as proposed, it would be necessary to rezone the project site to R6 while maintaining the C1-3 commercial overlay. This rezoning would increase the permitted FAR for community facility uses to 4.8.

# 2. ENVIRONMENTAL ASSESSMENT

# 2.A LAND USE, ZONING, AND PUBLIC POLICY

### **INTRODUCTION**

A land use analysis characterizes the uses and development trends in the area that may be affected by an action and determines whether a proposed project is compatible with those conditions or whether it may adversely affect them. The analysis also considers the proposed project's compliance with, and effect on, the area's zoning and other applicable public policies.

### PRINCIPAL CONCLUSIONS

The Proposed Action would not change permitted land uses in the area to be rezoned, and land uses within the study area and even within the proposed rezoning area would be the same under the No-Action condition and in the future with the Proposed Action. In either case, the land uses on the project site would be compatible with existing uses now found in the area. Only the expected density on the project site would be different as a result of the Proposed Action. The difference, approximately 31,000 more square feet of medical office space than under the No-Action scenario, would not be great enough to have a significant impact on land use patterns, and the density on the project site would be compatible with that of existing community facility uses in the area.

The proposed project is neither large nor publicly sponsored so there is no need for an assessment of its consistency with PlaNYC. No portion of the proposed rezoning area is within the Coastal Zone, an urban renewal area, or an area covered by a 197-a Plan.

### STUDY AREA

According to the *CEQR Technical Manual*, the appropriate study area for land use, zoning, and public policy is related to the type and size of the proposed project, as well as the location and context of the area that could be affected by the project. Study area radii vary according to these factors, with suggested study areas ranging from 400 feet for a small project to 0.5 miles for a very large project.

Because of the modest size of the proposed project, the land use, zoning, and public policy assessment for the Proposed Action considers a study area extending 400 feet around the proposed rezoning area. As shown in Figure A-1, Study Area Map, the study area boundaries are 52<sup>nd</sup> Street, points along the midblocks between 9<sup>th</sup> Avenue and Fort Hamilton Parkway, 56<sup>th</sup> Street, and points along the midblocks between 11<sup>th</sup> Avenue and Fort Hamilton Parkway.

# DETERMINING WHETHER A LAND USE, ZONING, AND PUBLIC POLICY ASSESSMENT IS REQUIRED

According to the *CEQR Technical Manual*, a preliminary assessment that includes a basic description of existing and future land uses, as well as basic zoning information, is provided for most projects, regardless of their anticipated effects. Regarding public policy, the *CEQR Technical Manual* states, "Large, publicly-sponsored projects are assessed for their consistency with PlaNYC, the City's sustainability plan." An assessment of an action's consistency with the Waterfront Revitalization Plan is required if an action would occur within the designated Coastal Zone. Public policy assessments are also appropriate if an action would occur within an area covered by an Urban Renewal Plan or a 197-A Plan.



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A land use and zoning assessment is certainly appropriate for the Proposed Action, which is a zoning map amendment that would result in the development of additional floor area on the project site. The proposed project is neither large nor publicly sponsored. No portion of the proposed rezoning area is within the Coastal Zone, an urban renewal area, or an area covered by a 197-a Plan. The preliminary assessment will therefore focus on land use and zoning.

### PRELIMINARY ASSESSMENT

### **Existing Conditions**

Land Use

### Site of the Proposed Action

The project site consists of two adjacent lots. The larger lot, at the southwest corner of Fort Hamilton Parkway and 54<sup>th</sup> Street, is a former auto repair establishment, consisting of a vacant garage building and paved lot area that is fenced and unused. The other lot, located to the south of the corner lot and fronting on Fort Hamilton Parkway, contains a narrow, vacant three-story building that formerly contained two residential units above a ground floor commercial space.

The proposed rezoning area also includes part of one lot (Lot 41) to the west of the former auto repair shop, fronting on 54<sup>th</sup> Street. It contains a three-story residential building, with six residential units. The rezoning area also includes part of a large lot that extends along Fort Hamilton Parkway between 53<sup>rd</sup> and 54<sup>th</sup> Streets. The lot extends more than 500 feet back from the parkway frontage, and accommodates the Monastery of the Precious Blood. The building and grounds of the Monastery of the Precious Blood have occupied the lot since 1910. The monastery is the Brooklyn home of an order of cloistered nuns, the Sisters Adorers of the Precious Blood.

### Study Area

Within the study area, except for properties fronting on Fort Hamilton Parkway, land use is entirely residential. (See Figure A-2, Existing Land Use Map). Three-story, six-unit attached brick buildings line the south side of 54<sup>th</sup> Street. Elsewhere along the cross streets, attached and semidetached brick homes predominate. At one location on the south side of 52<sup>nd</sup> Street, two four-story residential buildings are under construction, replacing smaller residential buildings.

Along Fort Hamilton Parkway within the study area, there is a mix of residential, commercial, institutional, and recreational uses. The recreational use is a mapped park, Rappaport Playground, on the west side of the parkway between 52<sup>nd</sup> and 53<sup>rd</sup> Streets. Aside from the monastery, the institutional uses are a four-story synagogue and religious school that occupies the northern half of the parkway's eastern blockfront between 54<sup>th</sup> and 55<sup>th</sup> Streets, opposite the project site, and a ground floor storefront synagogue beneath residential units at the northern edge of the study area. The commercial uses all occupy the ground floors of otherwise residential buildings; there are no entirely commercial buildings. Commercial uses occupy the entire eastern streetfront between 53<sup>rd</sup> and 54<sup>th</sup> Streets and scattered locations on other blocks. They consist of grocery stores, restaurants, drycleaners, a butcher shop, a laundromat, a store selling prosthetic and orthotic devices, a printer, a glass store, a plumbing and heating supplies store, and a discount store. The residences are in three- and four-story apartment buildings, two-story rowhouses, and two-story buildings with single residential units above ground floor stores.



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### Zoning

The study area is divided between R5 and R6 residential zoning districts, with C1-3 commercial overlays mapped along all but two of the blockfronts along Fort Hamilton Parkway (the western blockfronts between 52<sup>nd</sup> and 54<sup>th</sup> Streets, occupied by the playground and the monastery). The R5 district covers the portion of the study area located south of 53<sup>rd</sup> Street and east of a line 100 feet to the west of Fort Hamilton Parkway. The R6 district covers the rest of the study area. (See Figure A-3, Existing Zoning Map.)

The proposed rezoning area occupies the northwestern corner of the R5 zoning district, bordered by the R6 district on its northern and western sides. Lot 41, adjacent to the project site on its west, is divided between R6 and R5/C1-3 districts. The monastery property is divided between R6 and R5 districts; all but the area within 100 feet of Fort Hamilton Parkway of this property is within the R6 district.

R5 and R6 allow the same set of uses, but they differ in permitted bulk and density. They allow residential and community facility uses but not industrial or commercial uses, except to a limited extent for commercial uses when combined with a commercial overlay district (a C1 or C2 district). The C1-3 overlay district allows certain commercial uses, those that serve the retail and service needs of a local population, and limits them to the ground floors of mixed use buildings or to freestanding commercial buildings of no more than two stories.

R5 allows a maximum floor area ratio (FAR) of 1.25 for residential uses. The maximum perimeter street wall height is 30 feet, and the maximum building height is 40 feet, for residential uses. The maximum lot coverage is 55 percent. Front yards are required.

The situation is more complicated for residential uses in an R6 district because different sets of regulations can apply. Under the R6 district's original height factor regulations, permitted FAR and required open space vary according to "height factor," which is the number obtained by dividing floor area by lot coverage. The maximum on the sliding scale in 2.43, but this is achievable only by buildings of about 13 or 14 stories occupying very small percentages of large lots. Under this set of regulations, the height and setback requirements are the same as for community facility buildings. Under the optional Quality Housing regulations that have been available since the late 1980s, either of two sets of regulations may apply, depending on location. For lots or portions of lots within 100 feet of a wide street (such as Fort Hamilton Parkway), the maximum residential FAR is 3.0, the maximum base height is 60 feet, the maximum building height is 70 feet, and the maximum lot coverage is 80 percent on corner lots and 65 percent on all other lots. Beyond 100 feet of a wide street, the maximum residential FAR is 2.2, the maximum base height is 45 feet, the maximum building height is 55 feet, and the maximum lot coverage is 80 percent on corner lots and 60 percent on all other lots. Front yards are not required, regardless of which set of regulations applies.

Within an R5 or R6 district without a commercial overlay, the residential district bulk regulations control the community facility development. R5 allows a maximum FAR of 2.0 for community facility uses. The maximum lot coverage is 55 percent on an interior or through lot and 60 percent on a corner lot. The maximum street wall height is 35 feet, and sky exposure planes (slanting upwards and rearwards from a line 35 feet above the front property line) regulate building height on the interior of the lot. In the R6 district, the maximum FAR for community facility uses is 4.8. The maximum lot coverage is 70 percent on corner lots and 65 percent on all other lots. The maximum street wall height is the lesser of 60 feet or six stories, and sky exposure planes regulate building height on the interior of the lot.

Where the C1-3 overlay has been mapped, the C1-3 regulations rather than the R5 or R6 regulations govern community facility as well as commercial development. For community facility uses, the FAR and height and setback regulations are those of the underlying residential district, however, and are thus



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the same as those stated above. The major difference from the R5 and R6 regulations is that in the C1-3 district no maximum lot coverage provisions apply. For commercial uses the maximum permitted FAR is 1.0 in the R5/C1-3 district and 2.0 in the R6/C1-3 district. No matter what the underlying residential district, commercial uses are restricted either to the ground floor of a mixed-use building or to a commercial-use-only building of no more than two stories.

### The Future without the Proposed Action

### Site of the Proposed Action

### Project Site

In the future without the Proposed Action, the project site would continue to be zoned R5/C1-3, and it would be redeveloped in accordance with the regulations applicable to those districts, with a three-story medical center building containing ground floor retail space and a below grade accessory parking garage. There would be a total of 22,879 square feet above grade, including 17,265 square feet of community facility (medical center) space and 5,614 square feet of commercial (retail) space. Another 9,900 square feet of medical center space would occupy the cellar. This would bring the total amount of medical center space to 27,165 square feet and the total amount of gross rentable area (including the retail space) to 32,779 square feet. There would also be an accessory parking garage with an entrance on 54<sup>th</sup> Street and 82 parking spaces on up to two sub-cellar levels, occupying up to 19,594 square feet. The building's maximum total gross floor area would be 52,373 square feet.

The first two floors of the building would occupy the entire site, except for an approximately 475 square foot yard at the southwestern corner of the site. The third story would be set back from both street fronts. (See Appendix 2, No-Action Building Site Plan.)

### Other Parcels in the Proposed Rezoning Area

As noted above, there are two additional parcels that are divided between the existing R6 district and the area that would be rezoned from R5 to R6 under the Proposed Action. These are identified as Block 5763, Lot 41 (immediately west of the project site), and Block 5666, Lot 20 (immediately north of the project site, across 54<sup>th</sup> Street). Neither of these lots are expected to redevelop by the build year of the proposed project. Without the Proposed Action, they would continue to be divided between R5 and R6 districts.

### Study Area

By the build year of the proposed project (2016), only one land use change is anticipated in the study area. The two four-story residential buildings now under construction on  $52^{nd}$  Street would be completed. No zoning changes are anticipated.

### The Future with the Proposed Action

### Project Site

In the future with the Proposed Action, the project site would be rezoned from R5/C1-3 to R6/C1-3, and it would be redeveloped in accordance with the more permissive regulations applicable to the R6 district. (See Figure A-4, Proposed Zoning Map.) The land uses would be the same as under the No-Action scenario; as in the future without the Proposed Action, the site would be redeveloped with a medical center building containing ground floor retail space and a below grade accessory parking garage. The



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building would be larger than under the No-Action scenario; it would contain six rather than three stories. There would be a total of 53,604 square feet above grade, including 47,990 square feet of community facility (medical center) space and 5,614 square feet of commercial (retail) space. Another 9,900 square feet of medical center space would occupy the cellar. This would bring the total amount of medical center space to 57,890 square feet and the total amount of gross rentable area (including the retail space) to 63,504 square feet. There would also be an accessory parking garage with an entrance on 54<sup>th</sup> Street and 151 parking spaces on up to three sub-cellar levels, occupying up to 35,530 square feet. The building's maximum total gross floor area would be 99,034 square feet.

The first four floors of the building would occupy the entire site, except for an approximately 475 square foot yard at the southwestern corner of the site. The top two floors would be set back from both street fronts. (See Appendix 1, Architectural Plans for the Proposed Building.)

The proposed project would thus have the same amount of retail space as the development under the No-Action scenario, but it would contain 30,725 square feet more medical center space. The building would have the same footprint as under the No-Action scenario, but the proposed project would be three stories taller. The proposed project would have 69 more accessory parking spaces than the development under the No-Action scenario.

### Other Parcels in the Area to be Rezoned

As noted above, two additional parcels would be partially rezoned from R5 to R6. These are identified as Block 5763, Lot 41 (immediately west of the project site) and Block 5666, Lot 20 (immediately north of the project site, across 54<sup>th</sup> Street).

*Block 5673, Lot 41, Fronting on 54<sup>th</sup> Street.* Though a portion of this lot would be rezoned from R5 to R6, the permitted density on the lot would not change. Under the so-called "25-foot rule," if a zoning lot is divided between two or more zoning districts and no portion of the lot not within the district that covers a majority of the lot's area is located more than 25 feet from the boundary of that district, then the regulations applicable to the zoning district covering the majority of the lot may be applied to the entire lot. The majority (55 percent) of Lot 41 is within the R6 district, and no portion of the lot is further than 25 feet from the R6 district boundary. The bulk regulations applicable to the R6 district could therefore be applied to the entire lot even under the current zoning. Hence, the Proposed Action would have no practical effect on the lot's redevelopment potential and would not result in the redevelopment of this lot.

*Block 5666, Lot 20 (Monastery of the Precious Blood).* This institutional use is located on a 115,274 square foot parcel. Most (82 percent) of the lot is already zoned R6; the remainder (18 percent) is zoned R5. Under current zoning, a residential use of 256,144 zoning square feet could be built. Under the proposed rezoning, the residential development potential would increase by 9 percent to 280,116 square feet. The community facility development potential would increase by 11 percent, from 496,433 to 553,315 zoning square feet.

Since the monastery is an institutional use that has occupied the site since 1910 and no redevelopment has occurred despite the substantial development potential under the existing zoning, it would seem unlikely that a 9 percent increase in permitted residential floor area or an 11 percent increase in permitted community facility floor area would trigger the redevelopment of this parcel.

Hence, both of the above parcels would be expected to retain their current uses at their current densities under the Proposed Action.

### **Impact Assessment**

The Proposed Action is a zoning map amendment that would not change permitted land uses in the area to be rezoned. Although it would increase the development potential for residential or community facility uses, it would not lead to redevelopment except on the project site, which itself would be redeveloped whether or not the Proposed Action is taken. The land uses that would occupy the project site under either the No-Action or the Action scenario (a medical center and ground floor retail) would be compatible with existing uses now found in the study area (residential, ground floor retail, and community facility). The medical center would be particularly appropriate at this location because of the proximity of Maimonides Medical Center, located approximately a quarter-mile away on Fort Hamilton Parkway, where many of the medical center's practitioners would have admitting privileges. The only effect that the Proposed Action would have on land use would be the development of an additional 30.725 square feet of medical center space. That square footage is not large enough to have a significant impact on land use patterns. Furthermore, there are a number of large institutional uses already in the area, including the 400-student religious school directly across Fort Hamilton Parkway from the project site (with approximately 40,000 square feet of above-grade floor area), the monastery directly across 54<sup>th</sup> Street from the project site, and P. S. 160 at the northeast corner of Fort Hamilton Parkway and 52<sup>nd</sup> Street, just outside the study area. The size of the new community facility would thus not be incompatible with that of other community facilities in the area. For these reasons, the Proposed Action would not have a significant adverse impact on land use or zoning.

### CONCLUSION

The Proposed Action would not change permitted land uses in the area to be rezoned, and land uses within the study area and even within the proposed rezoning area would be the same under the No-Action condition and in the future with the Proposed Action. In either case, the land uses on the project site would be compatible with existing uses now found in the area. Only the expected density on the project site would be different as a result of the Proposed Action. The difference, approximately 31,000 more square feet of medical office space than under the No-Action scenario, would not be great enough to have a significant impact on land use patterns, and the density on the project site would be compatible with that of existing community facility uses in the area.

The proposed project is neither large nor publicly sponsored so there is no need for an assessment of its consistency with PlaNYC. No portion of the proposed rezoning area is within the Coastal Zone, an urban renewal area, or an area covered by a 197-a Plan.

### **2.B SHADOWS**

### **INTRODUCTION**

Under CEQR an adverse shadow impact is considered to occur if shadows from a proposed project would fall on a publicly accessible open space resource and adversely affect its use by the public, on a recreational open space such as a school playground that is not partly under Parks Department jurisdiction and adversely affect its use, on a natural resource and threaten the viability of plant life, or on a historic resource and obscure features or details that make the landmark significant. The assessment therefore does not consider shadows that would fall on streets, sidewalks, private open space, or buildings other than landmarks with features that depend on sunlight, since these would not be considered significant impacts.

As noted in the project description and the land use sections, both the No-Action scenario and the Proposed Action would result in development only on the project site. Other lots to be partially rezoned would not be expected to develop further.

The proposed project, when completed, would create a single six-story building with a rooftop height of 66 feet and a maximum height of 76 feet to the top of the rooftop mechanical space bulkhead. The lower floors would cover the entire lot. The building would be set back 23 feet 2 inches from 54<sup>th</sup> Street and 17 feet 3 inches from Fort Hamilton Parkway at the fourth floor level (44 feet in height). The building would be comprised of 53,604 square feet of above-grade building area, which would all be community facility space with the exception of 5,614 square feet of commercial on the ground floor. The proposed project would also include a cellar level (with 9,900 square feet of additional community facility space) and up to three sub-cellar levels in which approximately 151 accessory parking spaces would be provided. Overall, the proposed project would result in a building containing 63,504 gross square feet of community facility and commercial uses.

In the future without the Proposed Action, it would be expected that the development on the project site would occur under the existing R5/C1-3 district regulations. The new building would have the same building footprint as the proposed project, with the lower two stories built full on the lot, but the building would be three stories in height, with a rooftop height of about 33 feet and a height of 44 feet to the top of the rooftop mechanical space bulkhead. The building would be set back above the second floor level (22 feet in height) 30 feet from 54<sup>th</sup> Street and 27 feet one inch from Fort Hamilton Parkway. The building would be expected to contain approximately 22,879 square feet of space above grade, which would all be community facility space except for 5,614 square feet of commercial space on the ground floor. The No-Action scenario would also include a cellar level (with 9,900 square feet of additional community facility space) and up to two sub-cellar levels in which approximately 82 accessory parking spaces would be provided. In all, the No-Action scenario would result in a building containing 32,779 gross square feet of community facility and commercial uses.

The difference in height between the No-Action and Action condition buildings would be 32 feet.

### PRINCIPAL CONCLUSIONS

Shadows cast by the proposed building would not reach Rappaport Playground, located on the west side of Fort Hamilton Parkway between 52<sup>nd</sup> and 53<sup>rd</sup> Streets. Shadows would strike portions of the Monastery of the Precious Blood, a historic resource with sunlight-sensitive stained glass windows located across the street from the project site, on the west side of Fort Hamilton Parkway between 53<sup>rd</sup> and 54<sup>th</sup> Streets. Shadows would not strike the northern part of the main façade facing Fort Hamilton Parkway, where the

major sunlight-sensitive feature, a large roseate stained glass window, is located. Shadows would strike the southern part of the main façade, where smaller, more minor stained glass windows are located, during less than half of the year, and for up to no more than one hour 13 minutes a day, which would not constitute a substantial reduction in sunlight and would not alter the public's enjoyment of the historic resource. The Proposed Action would not result in significant shadow impacts.

### DETERMINING WHETHER A SHADOW ASSESSMENT IS REQUIRED

According to the CEQR Technical Manual,

"The shadow assessment considers projects that result in new shadows long enough to reach a sunlight-sensitive resource. Therefore, a shadow assessment is required only if the project would either result in (a) new structures (or additions to existing structures including the addition of rooftop mechanical equipment) of 50 feet or more or (b) be located adjacent to, or across the street from, a sunlight-sensitive resource."

The project site is located across 54<sup>th</sup> Street from the Monastery of the Precious Blood, a building that has been deemed eligible for listing on the National and State Registers of Historic Places and that has sunlight-sensitive stained glass windows and panels. A shadow assessment is therefore necessary.

### **TIER 1 ASSESSMENT**

The first step in the assessment process is to determine the maximum length of the shadows that would be cast by the proposed building and to identify any sunlight-sensitive resources located within that distance of the project site.

Shadow lengths vary by time of day, being longest in the early morning and late afternoon and shortest at noon, and by time of year, being longest at the winter solstice and shortest at the summer solstice. According to the *CEQR Technical Manual*, the longest shadow cast by a building is 4.3 times the building's height. As noted above, the proposed building's maximum height would be 76 feet. The maximum shadow length would therefore be 327 feet. As Figure B-1 shows, one sunlight-sensitive historic resource, the Monastery of the Precious Blood, is within that distance of the project site, and one sunlight-sensitive open space resource, Rappaport Playground, is located at the edge of the shadow distance. Additional assessment is therefore required.

The monastery is not sunlight sensitive in its entirety; only the stained glass windows are. The major stained glass feature is a large roseate stained glass window located on the northern portion of the main façade facing Fort Hamilton Parkway. Smaller, more minor stained glass windows are located on the southern part of that façade. No stained glass windows are located on the building's southern façade, which faces 54<sup>th</sup> Street and the project site.

### **TIER 2 ASSESSMENT**

The next step is to determine whether the sunlight-sensitive resources are within the arc in which shadows can be cast. That arc excludes the triangular area to the south of the proposed building that extends from +108 degrees to -108 degrees from true north. As Figure B-2 shows, the monastery and the playground are located within the arc in which shadows would be cast. Additional assessment is therefore required.





### TIER 3 ASSESSMENT

The next step is to use computer modeling software to plot the shifting shadows that would be cast by the proposed building during the course of the day, as the sun travels from east to west in the sky, and as the shadows therefore travel from west to east. Modeling is performed for four days during the year: the winter solstice (December 21), the summer solstice (June 21), the spring or autumn equinox (March 21 or September 21), and the midpoint between the equinox and the summer solstice (May 6).

The results are shown in Figure B-3. Shadows from the proposed building would not reach Rappaport Playground at any time of the year. As Figures B-3a through B-3d show, shadows would reach the monastery's principal façade, where stained glass is located, only in the afternoon on only one of the four analysis days, December 21; thus, shadows from the building would reach this façade for a portion of the afternoon from sometime after September 21 to sometime before March 21, but not at all during the spring and summer. As explained in Figure B-3e, shadows from the taller portion of the proposed building would not strike either part of the monastery's principal façade because there is no direct line of sight between the two; shadows from that part of the building would strike only the monastery's southern façade, which is not sunlight sensitive. As explained in Figure B-3f, shadows from the easternmost (fourstory-tall) portion of the building would not reach the northern portion of the monastery's principal façade where the roseate stained glass window is located; they would strike the southern part of the principal facade beginning at 1:40 PM on December 21. Since the CEQR shadow analysis period for that date ends

at 2:53 PM, shadows would strike stained glass windows in the monastery for a maximum of one hour 13 minutes in the course of the day, as is shown in Table B-1.

| Duration of Shadows on Stained Glass Panels |                           |                    |           |  |  |  |
|---|---------------------------|--------------------|-----------|--|--|--|
| December 21                                 | March 21/<br>September 21 | May 6/<br>August 6 | June 21   |  |  |  |
| 1:40 PM - 2:53 PM                           | N/A                       | N/A                | N/A       |  |  |  |
| 1 hr 13 min                                 | 0 minutes                 | 0 minutes          | 0 minutes |  |  |  |

Table B-1 Duration of Shadows on Stained Glass Panels

It should be noted that the Tier 3 shadow diagrams represent a worst case situation. They do not show the height at which the shadow would strike the southern façade area; thus, it is possible that the shadow would strike only the lower part of that façade, below where the stained glass windows are located. They also do not show No-Action condition shadows from existing buildings or the shorter building that would be constructed on the project site in the future without the Proposed Action; thus, it is possible that the monastery's southern façade area would be in shadow whether or not the Proposed Action is taken. A more detailed Tier 4 assessment would be required for such determinations to be made.

A Tier 4 assessment has not been made because, even in the worst case situation identified by the Tier 3 assessment, a significant adverse impact would not occur. The *CEQR Technical Manual* states, "In general, a significant adverse shadow impact occurs when the incremental shadow added by a proposed project falls on a sunlight-sensitive resource and substantially reduces or completely eliminates direct sunlight exposure, thereby significantly altering the public's use of the resource or threatening the viability of vegetation or other resources." New shadows falling on some of the monastery's stained glass, but not on the major stained glass feature (the roseate window), during less than half of the year, and for up to no more than one hour 13 minutes a day, would not constitute a substantial reduction and would not alter the public's enjoyment of the historic resource.

### CONCLUSION

Shadows cast by the proposed building would not reach Rappaport Playground, located on the west side of Fort Hamilton Parkway between 52<sup>nd</sup> and 53<sup>rd</sup> Streets. Shadows would strike portions of the Monastery of the Precious Blood, a historic resource with sunlight-sensitive stained glass windows located across the street from the project site, on the west side of Fort Hamilton Parkway between 53<sup>rd</sup> and 54<sup>th</sup> Streets. Shadows would not strike the northern part of the main façade facing Fort Hamilton Parkway, where the major sunlight-sensitive feature, a large roseate stained glass window, is located. Shadows would strike the southern part of the main façade, where smaller, more minor stained glass windows are located, during less than half of the year, and for up to no more than one hour 13 minutes a day, which would not constitute a substantial reduction in sunlight and would not alter the public's enjoyment of the historic resource. The Proposed Action would not result in significant shadow impacts.


## Figure B-3b: Tier 3 Assessment March 21



## Figure B-3c: Tier 3 Assessment May 6



## Figure B-3d: Tier 3 Assessment June 21





## Figure B-3e: Tier 3 Assessment 6<sup>th</sup> Floor Analysis December 21



## Figure B-3f: Tier 3 Assessment 4<sup>th</sup> Floor Analysis December 21

# 2.C HISTORIC AND CULTURAL RESOURCES

## INTRODUCTION

This section considers the Proposed Action's potential impact on archaeological and architectural resources. Archaeological resources are artifacts or other remains, from either the prehistoric (Native American) or the historic (colonial or post-colonial) period that might provide information about the period from which they date or the society that produced them. Architectural resources include designated New York City landmarks and buildings within a designated New York City historic district, properties calendared for consideration by the New York City Landmarks Preservation Commission (LPC), properties listed on or determined to be eligible for listing on the State or National Register of Historic Places, National Historic Landmarks, and other properties that meet the eligibility criteria for such designations.

As discussed in Section 1, Project Description, and Section 2A, Land Use, Zoning, and Public Policy, the project site will be redeveloped by the 2016 build year whether or not the Proposed Action is taken, and no redevelopment or enlargement of existing uses is anticipated on either of the two other properties that would be affected by the proposed rezoning.

The proposed project would consist of a single six-story building with a roof height of 66 feet and a maximum height of about 76 feet to the top of the mechanical bulkhead. The building's lower floors would cover the entire site, except for a rear yard of approximately 475 square feet at the southwest corner of the property, but the building would be set back 23 feet 2 inches from 54<sup>th</sup> Street and 17 feet 3 inches from Fort Hamilton Parkway above the fourth floor (44 feet in height). The building would contain 53,604 square feet of above-grade floor area, consisting of a medical center and 5,614 square feet of ground floor commercial space. The proposed project would also include a cellar level (with 9,900 square feet of additional medical center space) and up to three sub-cellar levels in which approximately 151 accessory parking spaces would be provided.

In the future without the Proposed Action, a medical center building with ground floor commercial space and a below-grade garage would also be built, but the development would follow the R5/C1-3 rather than R6/C1-3 zoning regulations. The new building would have the same footprint as the proposed project, but the building would be three stories in height (about 33 feet to the roof, plus an additional 11 feet of height for the mechanical bulkhead). The building would be set back 30 feet from 54<sup>th</sup> Street and 27 feet one inch from Fort Hamilton Parkway above the second floor (22 feet in height). The building would contain 22,879 square feet of above-grade floor area, consisting of a medical center and 5,614 square feet of ground floor commercial space. The building would also include a cellar level (with 9,900 square feet of additional medical center space) and up to two additional sub-cellar levels in which approximately 82 accessory parking spaces would be provided.

## PRELIMINARY ASSESSMENT AND CONCLUSION

In correspondence dated December 17, 2013, the LPC stated its conclusion that the project site is neither archaeologically nor architecturally sensitive. The out parcels within the proposed rezoning area may be archaeologically sensitive, but they have not been determined to be potential development parcels. The Monastery of the Precious Blood, which occupies an out parcel within the proposed rezoning area, has been determined to be eligible for listing on the National and State Registers of Historic Places, but redevelopment or alteration of that parcel as a result of the Proposed Action is not anticipated. Although the monastery has sunlight-sensitive stained glass windows and is located to the north of the project site, the proposed project would not have a significant adverse shadow impact on the monastery, as is

determined in the shadows section of this report. The Proposed Action would therefore not have a significant adverse impact on historic and cultural resources.

## 2.D URBAN DESIGN AND VISUAL RESOURCES

## INTRODUCTION

This section describes the visual character of the project site and its environs, as well as other aspects of urban design. Visual character consists of features such as building types, height and massing, street walls, lot coverage, landscaping, street layout, view corridors, and important natural or built resources that serve as visual resources. Other aspects of urban design include the questions of whether open spaces and natural features would be preserved and whether the arrangement and massing of buildings would exacerbate wind conditions. The section assesses the proposed project's potential impact in terms of how compatible it would be with its urban context, how it would affect the various aspects of the area's urban design, and whether it would diminish views or adversely affect the setting of identified visual resources. To put this more concisely, this section assesses whether and how the proposed project would change the experience of a pedestrian in the project area.

The Proposed Action is the rezoning of portions of two blocks located within the Borough Park neighborhood of Brooklyn's Community District 12. The proposed rezoning entails the extension of an existing R6 zoning district into what is now an R5 district. The zoning map change would not affect the boundaries of an existing C1-3 commercial overlay that covers part of the proposed rezoning area. The rezoning area includes the project site (identified on the New York City Tax Map as Block 5673, Lots 42 and 50) and two out parcels (portions of Block 5673, Lot 41, and Block 5666, Lot 20). As discussed in Section 1, Project Description, and Section 2A, Land Use, Zoning, and Public Policy, the project site will be redeveloped by the 2016 build year whether or not the Proposed Action is taken, and no redevelopment or enlargement of existing uses is anticipated on either of the out parcels.

## PRINCIPAL CONCLUSIONS

The Proposed Action would not affect the study area's street system, block forms, building arrangements, or topography. Although the Action condition building would be taller than the No-Action condition building, it still would be visually compatible with other buildings in its immediate vicinity. The Proposed Action would not create significant adverse urban design impacts within the study area. Owing to the lack of visual resources in the area, the proposed project would not result in significant adverse impacts to these resources.

# DETERMINING WHETHER AN URBAN DESIGN AND VISUAL RESOURCES ASSESSMENT IS REQUIRED

A preliminary urban design and visual resources assessment is required because the Proposed Action would include a zoning map change that would alter the rules regulating development within the proposed rezoning area, allowing the construction of a building that is different in scale both from those that are now there and from those that would be allowed under existing zoning regulations.

#### PRELIMINARY ASSESSMENT

#### **Study Area**

The study area for the preliminary assessment is the same as that for the land use assessment, which is the area within a 400-foot radius from the proposed rezoning area.

The two blocks affected by the proposed rezoning are bounded by Fort Hamilton Parkway, 55th Street, 9th

Avenue, and 53<sup>rd</sup> Street. The proposed rezoning entails the extension of an existing R6 zoning district, which south of 53<sup>rd</sup> Street now extends east to a line 100 feet from the western frontage of Fort Hamilton Parkway, and north of 53<sup>rd</sup> Street extends further east across Fort Hamilton Parkway. An R5 district now covers the area south and east of the R6 district, spanning Fort Hamilton Parkway south of 53<sup>rd</sup> Street, and including the proposed rezoning area. The Proposed Action would extend the R6 district eastwards and southwards, to the western edge of Fort Hamilton Parkway between 53<sup>rd</sup> Street and the middle of the blockfront between 54<sup>th</sup> and 55<sup>th</sup> Streets. In addition, a C1-3 commercial overlay covers the western blockfront of Fort Hamilton Parkway between 54<sup>th</sup> and 55<sup>th</sup> Streets, to a depth of 100 feet. It is proposed that the existing C1-3 commercial overlay continue to be mapped over the portion of that block to be rezoned. The rezoning area includes the project site (identified on the New York City Tax Map as Block 5673, Lots 42 and 50) and two out parcels (portions of Block 5673, Lot 41, and Block 5666, Lot 20).

Figure D-1 shows the project site, the proposed rezoning area, and the study area boundaries

## Methodology

The purpose of the preliminary assessment is to determine whether any physical changes proposed by the project may raise the potential to significantly and adversely affect elements of urban design. In accordance with the *CEQR Technical Manual*, the preliminary assessment provides the following information:

- A concise narrative of the existing project area, the future With-Action condition, and the future No-Action condition;
- An aerial photograph of the study area;
- Zoning calculations of existing and the future With-Action conditions;
- Floor area calculations;
- Lot and tower coverage;
- Building heights;
- Ground-level photographs of the site area with the immediate context;
- A three-dimensional representation of the future With-Action condition streetscape; and
- If view corridors exist within the study area, a description of the proposed project as it relates to visual resources including, as appropriate, proximity, orientation, height, bulk, etc.

## **Pedestrian Wind Conditions**

The *CEQR Technical Manual* calls for a separate preliminary assessment to determine whether an analysis of pedestrian wind conditions is appropriate, since the construction of large buildings at locations that experience high wind conditions may result in channelization or downwash effects that could affect pedestrian safety.

The proposed rezoning area is not subject to unusual wind conditions. It is not in an exposed area on or near the waterfront, and it is not on high ground or on the upper portion of an exposed slope. It is within a fully developed area with a relatively flat topography.

The proposed building would be a single six-story building with high lot coverage. There would therefore not be a freestanding tower on the site that could cause pedestrian level vortex effects. The building would be oriented to the existing streets, and there would be no breaks in the street wall.



For these reasons, the Proposed Action would not have a significant adverse impact on pedestrian wind conditions, and a detailed wind conditions assessment is not required.

## **Existing Conditions**

#### Urban Design

## Overview

An aerial photo is presented in Figure D-2. Street level photos taken in 2011 are keyed to the map in Figure D-3. In terms of built form, there is a considerable contrast between the midblocks along the side streets, and the area along Fort Hamilton Parkway. The side streets are characterized by two- and three-story residential buildings, usually constructed with brick facades. Fort Hamilton Parkway, however, is far more varied in nature in terms of building types and building heights. Along Fort Hamilton Parkway within the study area, there is a mix of residential, commercial, institutional, and recreational uses. The residences are in three- and four-story apartment buildings, two-story rowhouses, and two-story buildings with single residential units above ground floor stores. The commercial uses are small retail, restaurant, and service establishments that all occupy the ground floors of otherwise residential buildings; there are no entirely commercial buildings. The recreational use is a mapped park, Rappaport Playground, on the west side of the parkway between 52<sup>nd</sup> and 53<sup>rd</sup> Streets. The institutional uses consist of a large monastery set within spacious grounds, a four-story religious school, and a ground floor storefront synagogue beneath residential units.

#### Project Site

The project site consists of two adjacent lots. The larger lot (Lot 42), at the southwest corner of Fort Hamilton Parkway and 54<sup>th</sup> Street, is a former auto repair establishment, consisting of a vacant garage building and paved lot area that is fenced and unused. The other lot (Lot 50), located to the south of the corner lot and fronting on Fort Hamilton Parkway, contains a narrow, vacant three-story building that formerly contained two residential units above a ground floor commercial space. Existing development consists of 4,300 square feet within the vacant three-story building on Lot 50 and 2,900 square feet within the former auto repair garage on Lot 42. In all about 7,200 square feet of building area exists on the 11,167.5 square foot project site, for an existing floor area ratio (FAR) of 0.64.

#### Immediate Context of the Project Site

To the immediate west of the former auto repair shop is one of the two out parcels within the proposed rezoning area, fronting on 54<sup>th</sup> Street. It contains a three-story brick residential building, with six residential units. Similar attached small multifamily residential buildings continue westward along the southern blockfront of 54<sup>th</sup> Street.

To the north of the project site, across 54<sup>th</sup> Street, is a large lot that contains the entire Fort Hamilton Parkway frontage between 53<sup>rd</sup> and 54<sup>th</sup> Streets and that extends 500 feet back from the parkway frontage. The eastern part of the lot is the other out parcel within the proposed rezoning area. The lot accommodates the building and grounds of the Monastery of the Precious Blood. The monastery is a large patterned red brick building with a height of 56 feet to its pitched main roof and of 79 feet to the roof of its bell tower (according to elevation drawings by the project architect). The building's main façade faces Fort Hamilton Parkway and is set back behind a spacious lawn. The open grounds behind the monastery are shielded by brick walls along the 54<sup>th</sup> and 53<sup>rd</sup> Street property lines, affording privacy to the cloistered nuns who occupy the monastery.



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Photo D-1: View West to 54th Street Blockfront Adjacent to the Project Site

Photo D-2: 54<sup>th</sup> Street Elevation West of Fort Hamilton Parkway, Looking South



Photo D-3: 54<sup>th</sup> Street Elevation West of Fort Hamilton Parkway, Looking North



Photo D-4: 54th Street Elevation East of FortHamilton Parkway, Looking South



Photo D-5: 55th Street West of Fort Hamilton Parkway, Looking West







Photo D-7: View Northeast (from 55<sup>th</sup> Street) to Fort Hamilton Blockfront Facing the Project Site



Photo D-8: Monastery of the Precious Blood between 53<sup>rd</sup> and 54<sup>th</sup> Street on Fort Hamilton Parkway, Looking West



To the east of the project site, across Fort Hamilton Parkway, is a Jewish religious school. The orange and beige brick building is four stories in height but appears to be a full story taller than the adjacent fourstory brick apartment building that occupies the southern part of the blockfront. (See Photo D-7.) The religious school has a roof height of 51 feet (according to elevation drawings by the project architect).

To the south of the vacant three-story building on the project site are two attached 2<sup>1</sup>/<sub>2</sub>-story attached brick rowhouse residential buildings, with curved bay window facades. South of these, at the 55<sup>th</sup> Street corner, are two attached brick buildings with commercial ground floors and residential second floors.

#### Street System and Block Form

The streets in the vicinity of the study area form a regular grid, sliced through on a diagonal by Fort Hamilton Parkway. The side streets are 60 feet in width, and Fort Hamilton Parkway is 100 feet wide. Because Fort Hamilton Parkway is not perpendicular to the cross streets, the blocks within the study area are trapezoidal in shape. The blocks are 200 feet wide in cross section from street to street, slightly longer along the Fort Hamilton Parkway frontage from street to street, and considerably longer from Fort Hamilton Avenue to the nearest avenue, which is outside the study area boundaries.

#### **Building Arrangement**

Most structures along Fort Hamilton Parkway are built to the front lot line. The one notable exception is the Monastery of the Precious Blood, which is set back from all street frontages, with the largest setbacks from Fort Hamilton Parkway. The buildings along the side streets are generally set back about 15 feet from the front lot line.

#### Topography

The topography in the study area is generally flat, with a slight rise from east to west.

#### Visual Resources

According to the *CEQR Technical Manual*, visual resources are defined as follows: "*Visual resources*. A visual resource is the connection from the public realm to significant natural or built features, including

views of the waterfront, public parks, landmark structures or districts, otherwise distinct buildings or groups of buildings, or natural resources." There are no visual resources in the study area.

## The Future without the Proposed Action

In the future without the Proposed Action, the project site would continue to be zoned R5/C1-3. For community facility uses, the maximum permitted FAR is 2.0. No maximum lot coverage provisions apply. The maximum street wall height is the lesser of 35 feet or three stories, at which height the building must set back a minimum of 15 feet from a wide street (such as Fort Hamilton Parkway) and 20 feet from a narrow street (such as 54<sup>th</sup> Street). Sky exposure planes slanting upwards and rearwards at a 45 degree angle from a line 30 feet above the front property line regulate building height on the interior of the lot.

The applicant intends to redevelop the site with a single mixed-use building containing a medical center, ground floor retail space, and a below-grade accessory parking garage whether or not the Proposed Action is taken. In the future without the Proposed Action, there would be a total of 22,879 square feet above grade, including 17,265 square feet of community facility (medical center) space and 5,614 square feet of commercial (retail) space. Another 9,900 square feet of medical center space would occupy the cellar. There would also be an accessory automated parking garage with an entrance on 54<sup>th</sup> Street and 82 parking spaces on up to two sub-cellar levels, occupying up to 19,594 square feet. (The amount of required garage space depends on the technology that is used.) The building's main entrance would be on Fort Hamilton Parkway.

The building would be three stories tall, with a roof height of 33 feet and a maximum height of 44 feet to the top of the mechanical bulkhead. The building's lower two floors would cover the entire site, except for a rear yard of approximately 475 square feet at the southwest corner of the property, but the third floor would be set back 30 feet from 54<sup>th</sup> Street and 27 feet one inch from Fort Hamilton Parkway. The street wall height, to the top of the second floor, would be 22 feet. Figure D-4 shows a site plan of the future No-Action condition building.

The building would eliminate a hole within the existing urban fabric (the fenced, vacant former gas station site) and would maintain the street wall along Fort Hamilton Parkway. Along 54<sup>th</sup> Street the building would be constructed to the street line, whereas the buildings to its west set back about 15 feet; this is typical of corner buildings at the intersection of a commercial thoroughfare and a side street. The building would be slightly taller than the adjacent 2<sup>1</sup>/<sub>2</sub>- and three-story buildings on Fort Hamilton Parkway and 54<sup>th</sup> Street but shorter than the buildings that face it across these two streets, the religious school and the monastery.

The building would not alter the street system or block form.

## The Future with the Proposed Action

#### The Proposed Project

The project site would be rezoned from R5/C1-3 to R6/C1-3 as a result of the Proposed Action, and the two out parcels would be partially rezoned from R5 to R6. For a community facility use on the project site, the maximum permitted FAR would increase from 2.0 to 4.8. As under existing and future No-Action conditions, no maximum lot coverage provisions would apply. The maximum permitted street

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wall height would increase from 35 feet or three stories to the lesser of 60 feet or four stories, at which height the building must set back a minimum of 15 feet from a wide street (such as Fort Hamilton Parkway) and 20 feet from a narrow street (such as 54<sup>th</sup> Street). Sky exposure planes slanting upwards and rearwards from a line 60 feet above the front property line regulate building height on the interior of the lot. Along a narrow street, the plane rises 2.7 feet for every foot of setback; along a wide street, the plane rises 5.6 feet for every foot of setback.

As explained in Section 1, Project Description, this EAS assumes a building with the maximum permitted FAR of 4.8. That is the "proposed project" described below, which is somewhat bulkier than the building the applicant actually intends to build, with more floor area and narrower setbacks at the maximum street wall height.

The proposed project would consist of a single six-story building with a roof height of 66 feet and a maximum height of about 76 feet to the top of the mechanical bulkhead. The building's lower floors would cover the entire site, except for a rear yard of approximately 475 square feet at the southwest corner of the property, but the building would be set back 20 feet from 54<sup>th</sup> Street and 17 feet 3 inches from Fort Hamilton Parkway above the fourth floor. The street wall height, to the top of the fourth floor, would be 44 feet. The building would contain 53,604 square feet of above-grade floor area, consisting of a medical center and 5,614 square feet of ground floor commercial space. The proposed project would also include a cellar level (with 9,900 square feet of additional medical center space) and up to three subcellar levels in which approximately 151 accessory parking spaces would be provided, with the garage's entrance on 54<sup>th</sup> Street. The building's main entrance would be on Fort Hamilton Parkway. Figure D-5 shows a site plan of the proposed building. (See Appendix 1, Architectural Plan for the Proposed Building, for a full set of architectural drawings and zoning calculations.)

Compared with the No-Action building, the proposed project would contain 30,725 square feet more above-grade space. The building's footprint would be the same. The street wall height would be 22 feet (two stories) taller, at which height the building's setback from 54<sup>th</sup> Street would be 10 feet less, and its setback from Fort Hamilton Parkway would be 3 feet 11 inches less. The roof height would be 33 feet (three stories) taller. Figure D-6 provides a visual comparison between the No-Action building and the proposed project.

## Urban Design

Like the No-Action building, the Action condition building would be constructed to the street lines, with its street wall locations and lengths the same as those of the No-Action building. The proposed project's relation to existing building arrangement on the block and within the study area would therefore be the same as has been noted for the future without the Proposed Action. The building would eliminate a hole within the existing urban fabric (the fenced, vacant former gas station site) and would maintain the street wall along Fort Hamilton Parkway. Along 54<sup>th</sup> Street the building would be constructed to the street line, whereas the buildings to its west set back about 15 feet; this is typical of corner buildings at the intersection of a commercial thoroughfare and a side street.

Because the proposed project would be a single building constructed on two adjacent tax lots, it would have no impact on the street system or block form within the study area.

Although the new building would be taller than the adjacent existing  $2\frac{1}{2}$  - and three-story buildings, the setbacks of the upper floors from both streetfronts would greatly reduce the visual effect of the building's height. The new building would be somewhat taller than the two buildings that face it across Fort Hamilton Parkway and  $54^{\text{th}}$  Street. Its roof height would be 15 feet above that of the religious school at the southeast corner of the intersection. However, the religious school's street walls rise 51 feet without



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setback, whereas the proposed building would set back at a height of 44 feet, 20 feet from the 54<sup>th</sup> Street property line and approximately 17 feet from the Fort Hamilton Parkway property line. The building's roof height would be ten feet lower than that of the main roof of the monastery that occupies the western Fort Hamilton Parkway blockfront between 53<sup>rd</sup> and 54<sup>th</sup> Streets, but lower than the roof of its bell tower. The tallest part of the proposed building, the rooftop mechanical penthouse, would be three feet lower than the monastery's bell tower. The proposed project would therefore not substantially change the scale of this portion of Fort Hamilton Parkway and this portion of the study area. This conclusion is demonstrated by Figures D-7 and D-8, elevation drawings that show the comparative heights of the proposed project and the monastery and religious school, and by Figures D-9 through D-11, which are perspective drawings.

In summary, the Proposed Action would not have a significant adverse impact on urban design.

#### Visual Resources

Because of the absence of visual resources within the study area, the Proposed Action would not have a significant adverse impact on visual resources.

#### CONCLUSION

The Proposed Action would not affect the study area's street system, block forms, building arrangements, or topography. Although the Action condition building would be taller than the No-Action condition building, it still would be visually compatible with other buildings in its immediate vicinity. The Proposed Action would not create significant adverse urban design impacts within the study area. Owing to the lack of visual resources in the area, the proposed project would not result in significant adverse impacts to these resources.



PROPOSED PROJECT (FORT HAMILTON PARKWAY ELEVATION)

NO-ACTION BUILDING (FORT HAMILTON PARKWAY ELEVATION)



5402 FORT HAMILTON PARKWAY REZONING



MONASTERY







#### PROPOSED PROJECT

RELIGIOUS SCHOOL





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## 2.E HAZARDOUS MATERIALS

## INTRODUCTION

A hazardous materials assessment is conducted to determine whether the proposed project may increase the exposure of people or the environment to hazardous materials and, if so, whether this increased exposure would result in potential significant public health or environmental impacts. This section examines the Proposed Action's potential to cause a significant adverse hazardous materials impact by leading to redevelopment or other activities that could expose people to hazardous materials, either by introducing land uses that would involve the use or storage of such materials or by increasing pathways to exposure to existing hazardous materials that contaminate portions of the proposed rezoning area as a result of current or past activities. A hazardous material is any substance that poses a threat to human health or the environment; such substances typically include heavy metals, volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), pesticides, dioxins, and other toxic, corrosive, or flammable waste products of industrial or other processes. Manufacturing operations, automotive repair shops, gasoline service stations, dry cleaners, exterminators, chemical laboratories, junk yards, solid waste transfer stations, welding shops, and printers are among those land uses that may be associated with subsequent hazardous materials contamination of soil or groundwater, as well as any land use with underground fuel storage tanks.

## PHASE I ENVIRONMENTAL SITE ASSESSMENT

## Introduction

Sandstone Environmental Associates, Inc., prepared a Phase I Environmental Site Assessment (ESA) for the project site during the autumn of 2013, in accordance with ASTM E 1527-13. The Phase I report, dated November 14, 2013, is summarized below.

## Site Reconnaissance

The project site consists of two adjacent lots. Block 5673, Lot 42, at the southwest corner of Fort Hamilton Parkway and 54<sup>th</sup> Street, is a former automotive repair facility that is no longer in active use. A vacant one-story building is located at the western edge of the property, and the rest of the lot consists of a paved area that was formerly used for parking and storage. The perimeter is marked by a chaiG-link fence about ten feet high. The vacant building has three bays, which were formerly used as an auto repair shop, a carwash, and a small office. Block 5673, Lot 50, to the immediate south along Fort Hamilton Parkway, is developed with a vacant three-story building that formerly contained two residential units above a ground floor commercial unit.

## **Review of Historical Records**

Historical Sanborn maps, aerial photographs, city directories, and certificates of occupancy were reviewed to obtain information about the use history of the project site and nearby properties.

The 1926 Sanborn map shows that Lots 42 and 50 were then a single lot occupied by a gasoline service station, with the gasoline pumps located on a part of the property that is now part of Lot 42. The 1942 map still shows the gas station but also shows the two existing buildings. The three-story building was labeled as a store. That building was identified as "underwear sewing" on the 1952 map, a store again on the 1970 map, and residences over commercial space on the 1976 map and all subsequent maps. The 1990 map shows that the gas station was gone by then, with the carwash and auto repair facility remaining on

Lot 42.

City directories show that the three-story building had been constructed by 1934 and that residential tenants occupied the upper floors from that time onwards. Commercial tenants included a beauty salon during the 1960s and a tailor shop during the 1970s.

Sanborn maps and city directories show a history of residential and commercial uses on nearby properties, as well as the monastery on the far side of 54<sup>th</sup> Street and the religious school on the far side of Fort Hamilton Parkway.

## **Review of Government Records**

A search was conducted of the federal Resource Conservation and Recovery Information System (RCRA Info) List, conditionally exempt small quantity generators (CESQG) list, and RCRA NonGen/ NLR list and the New York State Petroleum Bulk Storage (PBS) database, manifest database, list of registered drycleaners, and SPILLS Information Database. The PBS database lists the gas station formerly located on the project site, which had eight 550-gallon underground storage tanks (USTs) installed in 1973. The SPILLS Information Database lists an incident in 1986 in which oil leaked from the piping of a 275-gallon fuel oil tank containing #2 heating oil at the project site.

Proprietary lists maintained by Environmental Data Resources, Inc. (EDR) were also reviewed for listings for manufactured gas plants, auto stations, and dry cleaners. A dry cleaner is listed at 5420 Fort Hamilton Parkway, a location just 83 feet away from the project site and of equal or higher elevation.

It is not known whether the USTs were ever removed from the project site. The presence or former presence of underground storage tanks at the project site, the reported spill incident at the project site, and the presence of a dry cleaner nearby and upgradient of the project site all constitute "recognized environmental conditions," which are sources of concern.

## Opinion

The former presence of a gasoline station on the project site may have contaminated the soils with solvents, petroleum hydrocarbons, and BTEX compounds.

The presence of a dry cleaning use dating to 1949 at 5420 Fort Hamilton Parkway, which is at a higher elevation less than 100 feet from the project site, may have contaminated soil and groundwater with chemicals such as perchloroethylene (tetrachloroethylene) and vinyl chloride.

## CONCLUSION

The Phase I ESA concluded that, as a result of a gasoline service station with underground storage tanks formerly located on the project site and a dry cleaner located upgradient and close to the project site, soil and groundwater at the site may be contaminated with petroleum products and perchloroethylene. To determine whether this is the case, soil and groundwater testing (that is, a Phase II investigation) must be performed. If contamination is found, appropriate remediation must be completed before redevelopment may occur.

These environmental concerns also pertain to the adjacent Block 5673, Lot 41, an out parcel within the proposed rezoning area. They do not pertain to the other out parcel, Block 5666, Lot 20, because that property is farther away from the dry cleaner and the former gas station site and separated from them by an intervening street.

An (E) designation (E-341) will be mapped on the project site (Block 5673, Lots 42 and 50), binding the applicant to perform the following actions:

#### Task 1-Sampling Protocol

The fee owner of the lots restricted by this (E) designation is required to submit to OER, for review and approval, an updated Phase I of the site along with a soil, groundwater and soil vapor testing protocol, including a description of methods and a site map with all sampling locations clearly and precisely represented. No sampling shall begin until written approval of a protocol is received from OER. The number and location of samples should be selected to adequately characterize the site, specific sources of suspected contamination (i.e., petroleum based contamination and non-petroleum based contamination), and the remainder of the site's condition. The characterization should be complete enough to determine what remediation strategy (if any) is necessary after review of sampling data. Guidelines and criteria for selecting sampling locations and collecting samples are provided by OER upon request.

#### Task 2-Remediation Determination and Protocol

A written report with findings and a summary of the data must be submitted to OER after completion of the testing phase and laboratory analysis for review and approval. After receiving such results, a determination is made by OER if the results indicate that remediation is necessary. If OER determines that no remediation is necessary, written notice shall be given by OER.

If OER determines that remediation is necessary based on test results, a proposed remediation plan must be submitted to OER for review and approval. The fee owner of the lots must complete such remediation as determined necessary by OER. The fee owner of the lots shall then provide proper documentation that the work has been satisfactorily completed.

A construction-related health and safety plan must be submitted to OER for approval and then implemented during excavation and construction activities to protect workers and the community from potentially significant adverse impacts associated with contaminated soil, groundwater and/or soil vapor.

This course of action would ensure that a significant adverse impact related to hazardous materials would not occur as a result of the Proposed Action.

## 2.F TRANSPORTATION

## **INTRODUCTION**

This chapter provides a discussion of potential impacts that new traffic, parking, transit and pedestrian trips associated with the Proposed Project will have on transportation facilities in the vicinity of the project site. The chapter describes existing (2011) and projected (2016) transportation conditions in the future without the Proposed Project (the "No Action" condition) and the future with the Proposed Project (the "Action" condition). The analyses contained herein were conducted in accordance with the 2014 *City Environmental Quality Review (CEQR) Technical Manual*.

As described in the Project Description Chapter, the applicant, Fort Hamilton LLC, is applying for a zoning map amendment affecting Block 5666, Lot 20 and Block 5673, Lots 41, 42, and 50 in the Borough Park neighborhood of Brooklyn (the "Proposed Action"). The two blocks proposed for rezoning are bounded by Fort Hamilton Parkway, 55th Street, 9th Avenue, and 53rd Street, with 54th Street running between the blocks. Under existing conditions, the proposed rezoning area is within an R5 zoning district; a C1-3 overlay covers the Fort Hamilton Parkway blockfront between 54th and 55th Streets to a depth of 100 feet. The proposed rezoning entails the extension of an existing R6 zoning district to replace the R5 district. It is also proposed that the existing C1-3 overlay remain in place.

Table F-1 provides a summary of the building program. The proposed rezoning would facilitate construction of a single-building, mixed-use development containing community facility space, ground floor commercial space and an automated below grade off-street parking facility (the "Proposed Project") located at 5402 Fort Hamilton Parkway. The Proposed Project is comprised of 54,955 gross square feet (GSF) of community facility space (a medical facility six stories tall), 5,614 GSF of ground floor local retail use fronting on Fort Hamilton Parkway, and an 150 vehicle (100 passenger cars and 50 SUVs) below grade off-street parking facility. The Proposed Project has a zoning floor area of 50,669 zoning square feet (ZSF) on a lot area of 11,167.5 square feet, translating to a Floor Area Ratio (FAR) of 4.54. However, since the zoning floor area (under R-6/C1-3 rezoning) could achieve a slightly higher FAR of 4.8 (resulting in a slightly larger zoning floor area of 53,604 ZSF), the reasonable worst-case development scenario (RWCDS) for analysis assumes the larger square footage which would result from adoption of the proposed rezoning action. Therefore, the Proposed Project (for analysis purposes) assumes a rezoned building consisting of 57,890 GSF of community facility space (a medical facility<sup>1</sup> six stories tall), 5,614 GSF of local retail use fronting on Fort Hamilton Parkway, and an 150 vehicle (100 passenger cars and 50 SUVs) below grade automated off-street parking facility.

Additionally, it is expected that if the Proposed Action is not approved, the applicant will develop the 5402 Fort Hamilton Parkway site under existing R-5/C1-3 zoning (an as-of-right or No Action building). This as-of-right building will consist of approximately 27,165 GSF of community facility space (a medical facility<sup>2</sup> three stories tall) and 5,614 GSF of local retail use fronting on Fort Hamilton Parkway. The site will also include a below grade automated off-street parking facility with capacity for up to 82 vehicles.

<sup>1</sup> It is assumed that, for trip generation purposes, the proposed 57,890 GSF Action medical facility will be allocated to patients and staff as follows – a 42,280 GSF medical facility (both staff and patient use) and a 15,610 Medical Laboratory (staff usage only); this results in a total of 42,280 GSF allocated towards patient use and 57,890 GSF allocated towards staff use. Trips were equally split between cardiology and OB/GYN trip rates for both patients and staff in order to reflect a hybrid medical facility that provides multiple types of medical services (21,140 GSF and 28,945 GSF for patient and staff COB/GYN trip use, assuming the equal split between cardiology and OB/GYN trip use, assuming the equal split between cardiology and OB/GYN trip use, assuming the equal split between cardiology and OB/GYN trip use, assuming the equal split between cardiology and OB/GYN trip use, assuming the equal split between cardiology and OB/GYN trip use, assuming the equal split between cardiology and OB/GYN trip use, assuming the equal split between cardiology and OB/GYN trip use, assuming the equal split between cardiology and OB/GYN trip use, assuming the equal split between cardiology and OB/GYN trip use, assuming the equal split between cardiology and OB/GYN trip uses).

<sup>2</sup> It is assumed that, for trip generation purposes, the proposed 27,165 GSF No Action medical facility will function as a cardiology facility, with the equivalent amount of square footage allocated for both patients and staff.

It should be noted that, for this chapter, the 2016 No Action conditions incorporate the construction of the afore mentioned as-of-right building and the 2016 Action conditions represent the incremental impact of the Proposed Project (under the RWCDS) compared with the as-of-right building.

| No Action and Action Building Program  |  |  |  |   |  |  |  |
|--|--|--|--|---|--|--|--|
| Project Components   | No Action (As-of-<br>Right)<br>R-5 / C1-3  |  | Proposed Project<br>(Existing Zoning)<br>R-6 / C1-3  |   | Proposed Project<br>Action (RWCDS)<br>R-6 / C1-3   |  |  |
|  | GSF  | ZSF  | GSF  | ZSF   | GSF  | ZSF  |  |
| Community Facility<br>(Medical Facility,<br>includes Cellar)   | 27,165   | 17,265   | 54,95<br>5   | 45,05<br>5  | 57,890   | 47,990   |  |
| Commercial<br>(Local Retail)   | 5,614  | 5,614  | 5,614  | 5,614   | 5,614  | 5,614  |  |
| Total<br>(Including Cellar)  | 32,779   | -  | 60,56<br>9   | -   | 63,504   | -  |  |
| Notes: GSF – Gross Flo<br>Total ZSF not sh<br>Values indicate<br>Both the Propos<br>grade off-street<br>cars and up to 5<br>grade off-street | oor Area (so<br>nown since<br>the maximu<br>ed Project a<br>parking faci<br>0 SUVs). T<br>parking faci | juare feet),<br>it excludes<br>um SF perm<br>and the Act<br>lity with a c<br>The No Acti<br>ility with a c | ZSF – Zon<br>Cellar and<br>hitted under<br>ion Progran<br>apacity for<br>on Progran<br>apacity for | hing Floor A<br>Sub-Cellar<br>r respective<br>m provide a<br>150 vehicle<br>n provides a<br>82 vehicles | area (square<br>square foc<br>zoning dis<br>an automate<br>es (100 pas<br>an automat<br>s. | e feet)<br>stage.<br>stricts.<br>ed below<br>ssenger<br>ed below |  |

| Table F-1                             |
|---------------------------------------|
| No Action and Action Building Program |

Based on the analysis contained herein, the level of new transportation demand generated by the Proposed Action is not expected to result in any significant adverse impacts to traffic, parking, transit or pedestrian conditions in the vicinity of the rezoning area.

## SCREENING ASSESSMENT METHODOLOGY

The methodology for a transportation analysis begins with a comparison of the Proposed Project's development densities versus the CEQR development thresholds outlined in Table 16-1 in the *CEQR Technical Manual*. However, the *CEQR Technical Manual* also states that if a project involves a mix of land uses, it is appropriate to prepare a preliminary trip generation analysis. Therefore, the two-level screening procedure contained within the *CEQR Technical Manual* was utilized to determine whether further detailed transportation analyses are warranted.

The CEQR screening procedure is comprised of a Level 1 (trip generation) and Level 2 (trip assignment) screening assessment. The Level 1 screening assessment estimates the number of person and vehicle trips generated by the Proposed Project<sup>3</sup>. According to the *CEQR Technical Manual*, if the proposed project is expected to result in fewer than 50 peak hour vehicle trips, fewer than 200 peak hour subway/rail or bus transit riders, or fewer than 200 peak hour pedestrian trips, further analyses are not necessary. When these thresholds are exceeded, a Level 2 screening assessment is warranted in order to project the incremental person and vehicle trips that could be added onto specific transportation elements. If the trip assignments show that the Proposed Project would generate 50 or more peak hour vehicle trips at an

<sup>3</sup> The number of trips generated by the Proposed Project corresponds to the incremental impact associated from the Proposed Project (the difference between the No Action and Action developments). Although incremental No Action trips were developed as part of the screening assessment, it should be noted that only incremental Action trips will be subject to the screening thresholds cited within the *CEQR Technical Manual*.

intersection, 200 or more peak hour subway trips at a station, 50 or more peak hour bus trips in one direction along a bus route, or 200 or more peak hour pedestrian trips traversing a sidewalk, corner area or crosswalk, then further detailed analyses may be warranted to assess the potential for significant adverse impacts on transportation elements within the study area.

## Level 1 Screening Assessment

A Level 1 trip generation screening assessment was conducted to project the number of person and vehicle trips generated by the Proposed Project during the weekday AM, midday, and PM peak hours. These estimates were then compared to the *CEQR Technical Manual* analysis thresholds in order to determine whether a Level 2 trip assignment screening assessment was warranted. The transportation planning factors utilized for this screening assessment are discussed below.

## Transportation Planning Factors

Table F-2 presents the transportation planning factors used for the travel demand forecast of trips generated by the Proposed Project during the weekday AM, midday, and PM peak hours. These include trip generation rates, temporal and directional distributions, mode choice factors, vehicle occupancies and truck trip factors for the proposed medical clinic.

Since trip generation, temporal distribution, directional split, modal split, and truck trip information at medical facilities in southwest Brooklyn were not readily available and the applicant will likely utilize the space to provide cardiology and obstetrics/gynecology (OB/GYN) services, surveys were conducted on April 21, 2010 of the patients and staff served by five existing medical facilities – four providing cardiology services and one providing OB/GYN services (services similar to what would be in operation under both 2016 No Action and 2016 Action Conditions) – to produce transportation planning factors for the proposed cardiology and OB/GYN medical facilities during a typical weekday. Weekend surveys were not conducted since the existing cardiology and OB/GYN medical facilities are closed on both weekend days and it is anticipated that the proposed cardiology and OB/GYN facility (under both No Action and Action Conditions) would establish hours of operation similar to the surveyed cardiology and OB/GYN facilities. Using hour-by-hour estimates of the vehicular trips likely to be generated by the Proposed Project, results indicate that trip generation would be greatest during the 9 to 10 AM (morning), 12 to 1 PM (midday), and 5 to 6 PM (evening) peak hours. These hours, therefore, were selected for analysis of weekday traffic conditions as part of this screening assessment.

These surveys were utilized in the absence of available medical facility data for the immediate study area and provide a reasonable representation of local cardiology and OB/GYN medical facility trip generation and travel patterns. It should be noted that the transportation planning assumptions derived from the April 21, 2010 surveys are only representative of local Cardiology and OB/GYN medical facility uses (e.g., not representative of a general medical facility) as the applicant has indicated these uses would be the likely specific uses for the Proposed Project. Staff and patient vehicle occupancy for the medical facilities were based on the *Jamaica Plan FEIS*.

The future without the Proposed Project (No Action) includes 5,614 GSF of local retail. The forecasts of weekday travel demand (person trip rate) and temporal distribution for a project's local retail component were obtained from the 2014 CEQR Technical Manual. Weekday directional distributions, modal split, and vehicle occupancy were obtained from the Rheingold Development Rezoning FEIS. Local retail truck trip generation rates, temporal distributions and directional distributions were obtained from the 2014 *CEQR Technical Manual*.

It should be noted that there is no incremental change to the proposed ground level local retail space

between the No Action and Action build programs. Appendix 4 of the EAS contains the travel demand factor memorandum for the Proposed Project, which summarizes project generated person and vehicle trips for all peak hours.
| Table F-2                              |
|--|
| <b>Transportation Planning Factors</b> |
|  |

| Land Use  |   | Medical<br>Cardiolo   | Facility<br>gy Office  |   |  | Medical<br>OB/GYN  | Facility<br>I Office                                    |  |                         | Local Retail<br>per 1000 SF                                  |                          |
|---|---|---|--|---|--|--|---|--|-------------------------|--|--------------------------|
| Trip Generation<br>Daily Person Trips   |   | TRIPS per 1<br>STAFF<br>4.3<br>4.3  | 000 GSF (1)<br>PATIENTS<br>21.2<br>21.2                      |   |  | TRIPS per 1<br>STAFF<br>11.0<br>11.0                           | 000 GSF (1)<br>PATIENTS<br>43.5<br>43.5                 |  |                         | (4)<br>Weekday<br>205<br>205                                 |                          |
| Temporal Distribution<br>AM (9 AM - 10 AM)<br>MD (12 PM - 1 PM)<br>PM (5 PM - 6 PM)                             |   | (1)<br><b>STAFF</b><br>16.7%<br>0.0%<br>33.3%   | (1)<br>PATIENTS<br>8.1%<br>10.5%<br>4.1%                     |   |  | (1)<br><b>STAFF</b><br>28.9%<br>0.0%<br>3.9%                   | (1)<br><b>PATIENTS</b><br>0.0%<br>16.0%<br>20.2%        |  |                         | (4)<br>ALL<br>3.0%<br>19.0%<br>10.0%                         |                          |
| In / Out Directional Split  | (<br>ST/  | I)<br>AFF   | )<br>PATI  | 1)<br>ENTS  | (<br>ST.   | 1)<br>AFF  | (1<br><b>PATI</b> I                                     | I)<br>ENTS   |                         | (5)<br>ALL   |                          |
| AM (9 AM - 10 AM)<br>MD (12 PM - 1 PM)<br>PM (5 PM - 6 PM)  | In<br>100%<br>-<br>0%                                       | Out<br>0%<br>-<br>100%  | In<br>77%<br>44%<br>57%                                      | Out<br>23%<br>56%<br>43%                                      | In<br>100%<br>-<br>0%  | Out<br>0%<br>-<br>100%   | In<br>-<br>73%<br>64%                                   | Out<br>-<br>27%<br>36%   | In<br>50%<br>50%<br>50% |  | Out<br>50%<br>50%<br>50% |
| Modal Split   |   | (1<br>ST/   | )<br>AFF   |   |  | (1<br>STA  | )<br>NFF  |  |                         | (5)<br>ALL   |                          |
| Mode<br>Auto (All)<br>Auto Self Park<br>Auto Drop Off<br>Taxi / Black Car<br>Ambulette<br>Subway<br>Bus<br>Walk | AM<br>-<br>46%<br>8%<br>0%<br>0%<br>23%<br>23%<br>23%<br>0% | MD<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>- | PM<br>-<br>42%<br>4%<br>0%<br>0%<br>31%<br>19%<br>4%<br>100% | ALL<br>-<br>49%<br>5%<br>0%<br>0%<br>26%<br>13%<br>8%<br>100% | AM<br>-<br>32%<br>9%<br>5%<br>0%<br>9%<br>23%<br>23%<br>100% | MD   | PM<br>  | ALL<br>-<br>42%<br>16%<br>5%<br>0%<br>8%<br>16%<br>13%<br>100% |                         | 2.0%<br>-<br>-<br>3.0%<br>-<br>6.0%<br>5.0%<br>84.0%<br>100% |                          |
|   |   | (1<br><b>PATI</b>   | )<br>ENTS  |   |  | (1<br><b>PATIE</b>   | )<br>Ents   |  |                         |  |                          |
| Mode<br>Auto Self Park<br>Auto Drop Off<br>Taxi / Black Car<br>Ambulette<br>Subway<br>Bus<br>Walk               | AM<br>35%<br>14%<br>10%<br>10%<br>0%<br>24%<br>7%<br>100%   | MD<br>30%<br>19%<br>0%<br>30%<br>0%<br>14%<br>8%<br>100%  | PM<br>21%<br>14%<br>7%<br>0%<br>0%<br>48%<br>10%             | ALL<br>28%<br>16%<br>6%<br>17%<br>3%<br>19%<br>10%            | AM<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>0%                  | MD<br>40%<br>20%<br>13%<br>3%<br>3%<br>3%<br>7%<br>13%<br>100% | PM<br>37%<br>24%<br>8%<br>0%<br>8%<br>3%<br>21%<br>100% | ALL<br>43%<br>22%<br>7%<br>1%<br>4%<br>4%<br>18%<br>100%       |                         |  |                          |
| Vehicle Occupancy   |   | (2<br>STAFF   | 2)<br>PATIENTS   |   |  | (2<br>STAFF  | PATIENTS  |  |                         | (5)<br>ALL   |                          |
| Auto (All)<br>Auto Self-Park<br>Auto Drop-off<br>Taxi and Ambulette   |   | -<br>1.00<br>1.20<br>1.40   | -<br>1.65<br>1.20<br>1.20                                    |   |  | -<br>1.00<br>1.20<br>1.40                                      | -<br>1.65<br>1.20<br>1.20                               |  |                         | 2.00<br>-<br>2.00  |                          |
| Truck Trip Generation   |   | (1) (3)   |  |   |  | (1) (3)  |   |  |                         | (4)  |                          |
| Daily Vehicle Trips   |   | Weekday<br>0.0  |  |   |  | Weekday<br>0.0   |   |  |                         | Weekday<br>0.35  |                          |
| Temporal Distribution<br>AM (9 AM - 10 AM)<br>MD (12 PM - 1 PM)<br>PM (5 PM - 6 PM)                             |   | (1)<br>-<br>-   |  |   |  | (1)<br>-<br>-  |   |  |                         | (4)<br>8.0%<br>11.0%<br>2.0%                                 |                          |
| In / Out Directional Split  |   | (1)<br>In<br>-  | (1)<br>Out   |   |  | (1)<br>In<br>-   | (1)<br>Out  |  | In<br>50%               | (4)  | <b>Out</b><br>50%        |

Sources:
(1) Stantec survey of medical facilities in vicinity of Study Area, April 2010.
(2) Medical office vehicle occupancy based on medical office vehicle occupancies, The Jamaica Plan FEIS, June 2007.
(3) No trucks were observed serving the surveyed cardiology and OB/GYN medical facilities.
(4) New York City Environmental Quality Review (CEQR) Technical Manual, Table 16-2, 2014.
(5) Local Retail directional splits based on directional splits for local retail in the Rheingold Development Rezoning FEIS, 2013. Local Retail modal split and vehicle occupancy based on local retail land use in the Rheingold Development Rezoning FEIS, 2013.

#### Travel Demand Forecast

Incremental No Action and Action person and vehicular trips forecasted as part of the Proposed Project (and based on the factors illustrated in Table F-2) are respectively presented in Tables F-3 and F-4. These values represent the incremental change in weekday peak hour person and vehicle trips due to the Proposed Project under both No Action and Action conditions.

It is assumed that, for trip generation purposes, the proposed 27,165 GSF No Action medical facility will function as a cardiology facility, with the equivalent amount of square footage allocated for both patients and staff. Therefore, trips were developed using cardiology office trip generation data. Additionally, the No Action building contains 5,614 GSF of ground level local retail. As illustrated in Table F-3, the No Action building is projected to respectively generate approximately 100, 279 and 178 person trips during the weekday AM, midday and PM peak hours. The No Action building is projected to produce 40, 49 and 34 vehicle trips (auto and taxi/black car and ambulette trips) during the weekday AM, midday, and PM peak hours, respectively.

It is assumed that, for trip generation purposes, the proposed 57,890 GSF Action medical facility will be allocated to patients and staff as follows – a 42,280 GSF medical facility (both staff and patient use) and a 15,610 Medical Laboratory (staff usage only); this results in a total of 42,280 GSF allocated towards patient use and 57,890 GSF allocated towards staff use. Trips were equally split between cardiology and OB/GYN trip rates for both patients and staff in order to reflect a hybrid medical facility that provides multiple types of medical services (21,140 GSF and 28,945 GSF for patient and staff cardiology trip use and 21,140 GSF and 28,945 GSF for patient and staff OB/GYN trip use, assuming the equal split between cardiology and OB/GYN trip uses). As illustrated in Table F-4, the Action building is projected to respectively generate approximately 93, 137, and 198 person trips during the weekday AM, midday, and PM peak hours. Vehicle trips (auto and taxi/black car and ambulette trips) are projected to total approximately 50, 82, and 133 during the weekday AM, midday, and PM peak hours, respectively.

The Proposed Project is expected to generate greater than the *CEQR Technical Manual* analysis threshold of 50 peak hour vehicle trips during the weekday midday and PM peak hours. Therefore, a Level 2 vehicle trip assignment screening assessment is required.

The Proposed Project is projected to generate fewer than the *CEQR Technical Manual* analysis threshold of 200 peak hour transit or pedestrian trips. Therefore, further quantified transit analyses are not required.

# Table F-3Transportation Demand ForecastIncremental No Action (as-of-right) Person and Vehicle Trip Summary27,165 GSF No Action (as-of-right) Medical Facility with 5,614 GSF of Local Retail

| No Action    | Peak | Au   | ito  | Au  | uto  |          |         |      |        |     |     |    |     |    |     |     |     |
|--------------|------|------|------|-----|------|----------|---------|------|--------|-----|-----|----|-----|----|-----|-----|-----|
| Person Trips | Hour | Self | park | Dro | poff | Taxi/ Bl | ack Car | Ambu | ulette | Sub | way | В  | JS  | W  | alk | То  | tal |
|              |      | In   | Out  | In  | Out  | In       | Out     | In   | Out    | In  | Out | In | Out | In | Out | In  | Out |
|              |      |      |      |     |      |          |         |      |        |     |     |    |     |    |     |     |     |
| Patient      | AM   | 16   | 0    | 5   | 2    | 0        | 5       | 3    | 1      | 0   | 0   | 7  | 5   | 1  | 2   | 32  | 14  |
| Staff        | AM   | 9    | 0    | 1   | 0    | 0        | 0       | 0    | 0      | 4   | 0   | 4  | 0   | 0  | 0   | 19  | 0   |
| Local Retail | AM   | 0    | 0    | 0   | 0    | 1        | 1       | 0    | 0      | 1   | 1   | 1  | 1   | 15 | 15  | 17  | 17  |
| Total        | AM   | 25   | 0    | 6   | 2    | 1        | 5       | 3    | 1      | 5   | 1   | 12 | 5   | 16 | 16  | 69  | 31  |
|              |      |      |      |     |      |          |         |      |        |     |     |    |     |    |     |     |     |
| Patient      | MD   | 7    | 12   | 3   | 8    | 0        | 0       | 12   | 6      | 0   | 0   | 5  | 3   | 3  | 2   | 30  | 31  |
| Staff        | MD   | 0    | 0    | 0   | 0    | 0        | 0       | 0    | 0      | 0   | 0   | 0  | 0   | 0  | 0   | 0   | 0   |
| Local Retail | MD   | 2    | 2    | 0   | 0    | 3        | 3       | 0    | 0      | 7   | 7   | 5  | 5   | 92 | 92  | 109 | 109 |
| Total        | MD   | 9    | 14   | 3   | 8    | 3        | 3       | 12   | 6      | 7   | 7   | 10 | 9   | 95 | 93  | 139 | 140 |
|              |      |      |      |     |      |          |         |      |        |     |     |    |     |    |     |     |     |
| Patient      | PM   | 2    | 3    | 3   | 0    | 0        | 2       | 0    | 0      | 0   | 0   | 8  | 3   | 0  | 2   | 13  | 11  |
| Staff        | PM   | 0    | 16   | 0   | 1    | 0        | 0       | 0    | 0      | 0   | 12  | 0  | 7   | 0  | 1   | 0   | 39  |
| Local Retail | PM   | 1    | 1    | 0   | 0    | 2        | 2       | 0    | 0      | 3   | 3   | 3  | 3   | 48 | 48  | 58  | 58  |
| Total        | PM   | 3    | 21   | 3   | 1    | 2        | 3       | 0    | 0      | 3   | 15  | 11 | 14  | 48 | 52  | 71  | 107 |

Note: Numbers may not directly add up due to rounding.

|              |      |      |      |     |      | Bala | nced |         |         | Bala    | nced    |    |     |
|--------------|------|------|------|-----|------|------|------|---------|---------|---------|---------|----|-----|
|              | Peak | Au   | uto  | Au  | uto  | Au   | ito  | Taxi/ B | ack Car | Taxi/ B | ack Car |    |     |
| No Action    | Hour | Self | park | Dro | poff | Dro  | poff | & Am    | bulete  | & Am    | bulete  | То | tal |
|              |      | In   | Out  | In  | Out  | In   | Out  | In      | Out     | In      | Out     | In | Out |
|              |      |      |      |     |      |      |      |         |         |         |         |    |     |
| Patient      | AM   | 10   | 0    | 4   | 1    | 4    | 4    | 3       | 5       | 5       | 5       | 19 | 9   |
| Staff        | AM   | 9    | 0    | 1   | 0    | 1    | 1    | 0       | 0       | 0       | 0       | 10 | 1   |
| Local Retail | AM   | 0    | 0    |     |      |      |      | 0       | 0       | 0       | 0       | 0  | 0   |
| Total        | AM   | 19   | 0    | 5   | 1    | 5    | 5    | 3       | 5       | 5       | 5       | 29 | 11  |
|              |      |      |      |     |      |      |      |         |         |         |         |    |     |
| Patient      | MD   | 4    | 7    | 3   | 7    | 7    | 7    | 10      | 5       | 10      | 10      | 20 | 23  |
| Staff        | MD   | 0    | 0    | 0   | 0    | 0    | 0    | 0       | 0       | 0       | 0       | 0  | 0   |
| Local Retail | MD   | 1    | 1    |     |      |      |      | 2       | 2       | 2       | 2       | 3  | 3   |
| Total        | MD   | 5    | 8    | 3   | 7    | 7    | 7    | 11      | 7       | 11      | 11      | 23 | 26  |
|              |      |      |      |     |      |      |      |         |         |         |         |    |     |
| Patient      | PM   | 1    | 2    | 3   | 0    | 3    | 3    | 0       | 1       | 1       | 1       | 5  | 6   |
| Staff        | PM   | 0    | 16   | 0   | 1    | 1    | 1    | 0       | 0       | 0       | 0       | 1  | 18  |
| Local Retail | PM   | 1    | 1    |     |      |      |      | 1       | 1       | 1       | 1       | 2  | 2   |
| Total        | PM   | 2    | 19   | 3   | 1    | 4    | 4    | 1       | 2       | 2       | 2       | 8  | 26  |

Note: Numbers may not directly add up due to rounding. All local retail auto trips are assumed to use the off-street parking facility.

## Table F-4Transportation Demand ForecastIncremental Action Person and Vehicle Trip Summary42,280 GSF Patient / 57,890 GSF Staff Action Medical Facility w/5,614 GSF Local Retail

| Action       | Peak | Au   | ito  | Au  | uto  |         |         |      |        |     |     |    |     |    |     |     |     |
|--------------|------|------|------|-----|------|---------|---------|------|--------|-----|-----|----|-----|----|-----|-----|-----|
| Person Trips | Hour | Self | park | Dro | poff | Taxi/ B | ack Car | Ambu | ulette | Sub | way | В  | us  | W  | alk | То  | tal |
|              |      | In   | Out  | In  | Out  | In      | Out     | In   | Out    | In  | Out | In | Out | In | Out | In  | Out |
|              |      |      |      |     |      |         |         |      |        |     |     |    |     |    |     |     |     |
| Patient      | AM   | 0    | 0    | 0   | 0    | 0       | 0       | 0    | 0      | 0   | 0   | 0  | 0   | 0  | 0   | 0   | 0   |
| Staff        | AM   | 30   | 0    | 8   | 0    | 4       | 0       | 0    | 0      | 9   | 0   | 21 | 0   | 21 | 0   | 93  | 0   |
| Total        | AM   | 30   | 0    | 8   | 0    | 4       | 0       | 0    | 0      | 9   | 0   | 21 | 0   | 21 | 0   | 93  | 0   |
|              |      |      |      |     |      |         |         |      |        |     |     |    |     |    |     |     |     |
| Patient      | MD   | 52   | 2    | 14  | 13   | 15      | 5       | 0    | 3      | 5   | 0   | 0  | 9   | 14 | 5   | 100 | 37  |
| Staff        | MD   | 0    | 0    | 0   | 0    | 0       | 0       | 0    | 0      | 0   | 0   | 0  | 0   | 0  | 0   | 0   | 0   |
| Total        | MD   | 52   | 2    | 14  | 13   | 15      | 5       | 0    | 3      | 5   | 0   | 0  | 9   | 14 | 5   | 100 | 37  |
|              |      |      |      |     |      |         |         |      |        |     |     |    |     |    |     |     |     |
| Patient      | PM   | 44   | 24   | 34  | 10   | 10      | 5       | 0    | 0      | 10  | 5   | 0  | 4   | 15 | 24  | 112 | 71  |
| Staff        | PM   | 0    | 5    | 0   | 8    | 0       | 0       | 0    | 0      | 0   | 1   | 0  | 0   | 0  | 0   | 0   | 15  |
| Total        | PM   | 44   | 29   | 34  | 18   | 10      | 5       | 0    | 0      | 10  | 6   | 0  | 5   | 15 | 24  | 112 | 86  |

Note: Numbers may not directly add up due to rounding.

|               |      |      |      |     |      | Bala | nced |         |         | Bala    | nced     |    |     |
|---------------|------|------|------|-----|------|------|------|---------|---------|---------|----------|----|-----|
| Action        | Peak | Au   | ito  | Au  | uto  | Au   | uto  | Taxi/ B | ack Car | Taxi/ B | lack Car |    |     |
| Vehicle Trips | Hour | Self | park | Dro | poff | Dro  | poff | & Am    | bulete  | & Am    | bulete   | То | tal |
|               |      | In   | Out  | In  | Out  | In   | Out  | In      | Out     | In      | Out      | In | Out |
|               |      |      |      |     |      |      |      |         |         |         |          |    |     |
| Patient       | AM   | 0    | 0    | 0   | 0    | 0    | 0    | 0       | 0       | 0       | 0        | 0  | 0   |
| Staff         | AM   | 30   | 0    | 7   | 0    | 7    | 7    | 3       | 0       | 3       | 3        | 40 | 10  |
| Total         | AM   | 30   | 0    | 7   | 0    | 7    | 7    | 3       | 0       | 3       | 3        | 40 | 10  |
|               |      |      |      |     |      |      |      |         |         |         |          |    |     |
| Patient       | MD   | 32   | 1    | 12  | 11   | 12   | 12   | 13      | 7       | 13      | 13       | 56 | 26  |
| Staff         | MD   | 0    | 0    | 0   | 0    | 0    | 0    | 0       | 0       | 0       | 0        | 0  | 0   |
| Total         | MD   | 32   | 1    | 12  | 11   | 12   | 12   | 13      | 7       | 13      | 13       | 56 | 26  |
|               |      |      |      |     |      |      |      |         |         |         |          |    |     |
| Patient       | PM   | 26   | 14   | 28  | 8    | 28   | 28   | 8       | 4       | 8       | 8        | 63 | 50  |
| Staff         | PM   | 0    | 5    | 0   | 7    | 7    | 7    | 0       | 0       | 0       | 0        | 7  | 12  |
| Total         | PM   | 26   | 20   | 28  | 15   | 35   | 35   | 8       | 4       | 8       | 8        | 70 | 63  |

Note: Numbers may not directly add up due to rounding.

#### Level 2 Screening Assessment

A Level 2 trip assignment screening assessment was conducted to project the number of person and vehicle trips generated by the Proposed Project onto the study area street network during the weekday AM, midday, and PM peak hours. These estimates were then compared to the *CEQR Technical Manual* analysis thresholds in order to determine whether a more detailed transportation analysis was warranted.

#### Traffic

*CEQR Technical Manual* guidelines suggest that developments which generate greater than 50 vehicles within any peak hour should be analyzed as the basis for determining project impacts. To identify the scale of the traffic study area and proposed analysis locations, project-generated weekday vehicle trips were assigned to the Brooklyn roadway network and the projected number of project-generated vehicle trips that would travel through each intersection was summarized for reasonable worst-case conditions. No Action and Action auto and taxi / black car and ambulette trips were assigned to and from the project site. No Action AM, midday and PM peak hour incremental traffic volumes are presented in Figures F-1, F-2 and F-3.

Figure F-1 2016 No Action (as-of-right) Incremental Traffic Volumes – Weekday AM Peak Hour



Figure F-2 2016 No Action (as-of-right) Incremental Traffic Volumes – Weekday MD Peak Hour



Figure F-3 2016 No Action (as-of-right) Incremental Traffic Volumes – Weekday PM Peak Hour



AM, midday and PM peak hour incremental traffic volumes projected under the Action condition are presented in Figures F-4 through F-6. The Level 2 screening analysis found that the site-generated incremental trip threshold of 50 vehicles would be exceeded by one intersection during the weekday midday peak hour and five intersections during the weekday PM peak hour. None of the five intersections would exceed the 50 vehicle trip threshold during the weekday AM peak hour, however, it is proposed that these intersections would be analyzed during the AM peak hour. Therefore, the following intersections have been selected for detailed analysis during the weekday AM, midday, and PM peak hours:

- Fort Hamilton Parkway at 54<sup>th</sup> Street
- Fort Hamilton Parkway at 55<sup>th</sup> Street
- Fort Hamilton Parkway at 56<sup>th</sup> Street
- 9<sup>th</sup> Avenue at 54<sup>th</sup> Street
- 9<sup>th</sup> Avenue at 55<sup>th</sup> Street

Quantitative analyses of existing and future traffic conditions are provided in this EAS.

#### Pedestrians

Although the Level 1 screening assessment found that peak hour pedestrian trips are well below the CEQR threshold, a Level 2 pedestrian trip assignment screening assessment was performed in order to verify that linked pedestrian trips (e.g., auto self-park and transit trips which are expected to walk to the project site), when superimposed on walk only trips, do not exceed the 200 peak hour trip threshold. Incremental No Action and Action pedestrian trips are presented in Tables F-5 and F-6, respectively. The totals presented in Tables F-5 and F-6 are a conservative assumption as this assumes no internal connection between the below grade automated off-street parking facility and the project site (that is, individuals whom self-park will have to walk along both 54<sup>th</sup> Street and Fort Hamilton Parkway in order to access the project site). As presented in Table F-6, a maximum of 198 pedestrian trips are projected to converge at the entrance to the project site (midblock along Fort Hamilton Parkway between 54<sup>th</sup> Street and 55<sup>th</sup> Street) during any of the analyzed peak hours, which is below the CEQR threshold for detailed pedestrian analyses. Therefore, the Proposed Action is not expected to result in any significant adverse impacts to pedestrian facilities based on *CEQR Technical Manual* guidelines, and a detailed pedestrian analysis is not provided in this EAS.

 Table F-5

 Transportation Demand Forecast – Incremental No Action Pedestrian Trips

 27,165 GSF No Action (as-of-right) Medical Facility with 5,614 GSF of Local Retail

| No Action |           |        | Medica | al Facility |         |           |           |        | Local Reta | il   |           |       |
|-----------|-----------|--------|--------|-------------|---------|-----------|-----------|--------|------------|------|-----------|-------|
| Rod Trips |           |        |        |             |         | Taxi /    |           |        |            |      | Taxi /    | Total |
| reu mps   | Self Park | Subway | Bus    | Walk        | Dropoff | Ambulette | Self Park | Subway | Bus        | Walk | Ambulette |       |
| AM        | 25        | 4      | 16     | 3           | 8       | 5         | 1         | 2      | 2          | 29   | 1         | 96    |
| MD        | 18        | 0      | 8      | 5           | 11      | 0         | 4         | 13     | 11         | 184  | 7         | 261   |
| PM        | 21        | 12     | 19     | 4           | 5       | 2         | 2         | 7      | 6          | 97   | 3         | 178   |

Note: Totals may not directly add up due to rounding.

Table F-6Transportation Demand Forecast - Incremental Action Pedestrian Trips42,280 GSF Patient / 57,890 GSF Staff Action Medical Facility w/5,614 GSF of Local Retail

| Action    |           |        | Medica | al Facility |         |           |       |
|-----------|-----------|--------|--------|-------------|---------|-----------|-------|
| Red Tring |           |        |        |             |         | Taxi /    | Total |
| reu mps   | Self Park | Subway | Bus    | Walk        | Dropoff | Ambulette |       |
| AM        | 30        | 9      | 21     | 21          | 9       | 4         | 93    |
| MD        | 55        | 5      | 9      | 19          | 27      | 20        | 133   |
| PM        | 73        | 15     | 5      | 39          | 52      | 14        | 198   |

Note: Totals may not directly add up due to rounding.

FORT HAMILTON PARKWAY 9TH AVENUE GRAPHIC NOT TO SCALE. 40 40 10 10 2 0 0 6 54TH STREET 54TH STREET  $\downarrow$  $\downarrow$ Ы Ч ⊿ 7  $\rightarrow$ 7 7  $\uparrow$ 7 0  $\uparrow$ 10 1 8  $\rightarrow$ 0 26 30 Ы 0 0  $\rightarrow$ 0 0 0 30 IN 0 OUT 9 Ч Ы DROPOFF OFF-STREET GARAGE Ľ 26 10 PROJECT SITE 26 PICKUP 5402 FORT HAMILTON PKWY 10 Ы  $\overline{}$ 25  $\overline{}$ 0 ← 2  $\leftarrow$ 13 4 7 0 0 55TH STREET Ľ  $\downarrow$ 0 Ľ  $\downarrow$ 0 55TH STREET Ľ Ľ  $\uparrow$  $\overline{}$  $\overline{\}$  $\uparrow$ 0 10 0 1 FORT HAMILTON PARKWAY **9TH AVENUE** 7 7 10 10 3 4 56TH STREET 56TH STREET  $\downarrow$ Ч 7 0  $\uparrow$ 7 0 0  $\rightarrow$ 10 0 Ы **9TH AVENUE** FORT HAMILTON PARKWAY

Figure F-4 2016 Action Incremental Traffic Volumes – Weekday AM Peak Hour

FORT HAMILTON PARKWAY 9TH AVENUE GRAPHIC NOT TO SCALE. 57 57 26 26 6 0 0 8 54TH STREET 54TH STREET  $\downarrow$  $\downarrow$ Ы Ч ⊿ 7  $\rightarrow$ 7 7  $\uparrow$ 7 0  $\uparrow$ 25 6 6  $\rightarrow$ 0 43 32 Ы 1 0  $\rightarrow$ 0 0 0 32 IN 1 OUT 20 Ч Ы DROPOFF OFF-STREET GARAGE Ľ 25 26 PROJECT SITE 43 PICKUP 26 5402 FORT HAMILTON PKWY 25 Ы  $\overline{}$ 34  $\overline{}$ 0 2 ← 15 ← 8 18 0 0 55TH STREET Ľ  $\downarrow$ 0 Ľ  $\downarrow$ 0 55TH STREET Ľ Ľ  $\uparrow$  $\overline{}$  $\overline{\}$  $\uparrow$ 0 13 0 9 FORT HAMILTON PARKWAY **9TH AVENUE** 18 18 13 13 12 6 56TH STREET 56TH STREET  $\downarrow$ Ч 0 7  $\uparrow$ 7 0 0  $\rightarrow$ 13 0 Ы **9TH AVENUE** FORT HAMILTON PARKWAY

Figure F-5 2016 Action Incremental Traffic Volumes – Weekday MD Peak Hour

FORT HAMILTON PARKWAY 9TH AVENUE GRAPHIC NOT TO SCALE. 7 69 69 63 63 10 0 0 54TH STREET 54TH STREET  $\downarrow$  $\downarrow$ Ы Ч ⊿ 7  $\rightarrow$ 7 7  $\uparrow$ 7 0  $\uparrow$ 43 15 7  $\rightarrow$ 0 55 26 Ы 20 7  $\rightarrow$ 0 0 0 26 IN 20 OUT 41 Ч Ы DROPOFF OFF-STREET GARAGE Ľ 43 PROJECT SITE 55 PICKUP 51 5402 FORT HAMILTON PKWY 43 Ы  $\overline{}$ 45 R 0 6  $\leftarrow$ 19 ← 16 35 0 0 55TH STREET 55TH STREET Ľ  $\downarrow$ 0 Ľ  $\downarrow$ 0 Ľ Ľ  $\uparrow$  $\overline{}$  $\overline{\}$  $\uparrow$ 0 10 16 0 FORT HAMILTON PARKWAY 35 35 **9TH AVENUE** 16 16 23 12 56TH STREET 56TH STREET  $\downarrow$ Ч 0 7  $\uparrow$ 7 0 0  $\rightarrow$ 16 0 Ы **9TH AVENUE** FORT HAMILTON PARKWAY

Figure F-6 2016 Action Incremental Traffic Volumes – Weekday PM Peak Hour

#### Parking

As a quantitative traffic analysis is necessary based on the Level 1 and Level 2 screening assessments, an analysis of on- and off-street parking conditions is necessary. Future projections of off-street parking demand were developed using the data obtained from the April 21, 2010 survey of self-parked vehicle entries and exits at each of the surveyed sites along with the and the No Action and Action trip generation methodology previously described in this memo.

As previously stated, the proposed No Action and Action off-street automated parking facility is expected to have a respectively capacity of 82 vehicles and 150 vehicles. It is expected that patients and staff of the proposed medical facility that arrive to the site by automobile and normally park their cars will park in the proposed off-street automated parking facility. A review of the first floor site plan for the Proposed Project shows that a total of 2,900 SF is allocated for parking use. A general area of 100 feet of space by 20 feet wide will be allocated as reservoir space for inbound motorists waiting to park their vehicles using the single elevator automated parking facility (it should be noted that the space is wide enough to accommodate vehicles simultaneously entering and leaving the automated parking facility). Using the *CEQR Technical Manual* recommended 20 feet for a parking space (Section 382.1 of the Transportation Chapter), it is projected that up to five vehicles will be able to queue inside of the building without blocking either pedestrian or vehicular traffic on 54th Street. Although an operator has yet to be selected, automated parking systems generally vary on both the design and the clients specifications (for instance, similar systems being explored at another, unrelated site can process vehicles every 90 seconds). It is anticipated that the system will be designed to accommodate the necessary demand generated by the Proposed Project without causing an impact to traffic on 54th Street.

Using the data obtained from the April 21, 2010 medical facility surveys, hourly parking accumulation tables were developed to determine whether the proposed below grade off-street parking facility would be able to accommodate the projected demand. If so, further analyses of on- and off-street parking conditions would not be necessary.

Incremental No Action<sup>4</sup> and Action Condition parking demand at the proposed off-street automated parking facility are presented in Tables F-7 and F-8. Action condition parking demand at the proposed off-street automated parking facility is presented in Table F-9. Under the Action condition, a maximum of 137 parking spaces would be needed to fulfill project-related parking demand during the day, which is less than the 150 space capacity of the proposed parking garage. Appendix 4 of the EAS (Proposed Project Travel Demand Factor Memorandum) contains a supplemental analysis of parking conditions.

<sup>4</sup> Since the off-street automated parking facility is proposed under the No Action condition, the parking demand generated by the new parking facility also represents incremental No Action parking demand (the existing site is vacant and not considered a traffic generator).

#### Table F-7 **Transportation Demand Forecast Incremental No Action Automated Off-Street Parking Facility Accumulation** 27,165 GSF No Action (as-of-right) Medical Facility with 5,614 GSF of Local Retail

|                       | OTACE A     |             |            |            | DATIENT |     |     |            |                          |                |                          | v                       |                 | /                        |        |        |                        |                         | TOT |     |              |
|-----------------------|-------------|-------------|------------|------------|---------|-----|-----|------------|--------------------------|----------------|--------------------------|-------------------------|-----------------|--------------------------|--------|--------|------------------------|-------------------------|-----|-----|--------------|
|                       |             |             | OBC        | <u>SYN</u> |         | DIO | OBC | <u>SYN</u> |                          | <u>5.6</u>     | 14 GSF LO                | OCAL RET                | AIL AUTO        | PARKED                   | VEHICL | ETRIPS | i <sup>1</sup>         |                         | VEH |     | PARKING      |
| TIME PERIOD           | In          | Out         | In         | Out        | In      | Out | In  | Out        | DAILY<br>PERSON<br>TRIPS | TEMP.<br>DIST. | MODAL<br>SPLIT<br>(AUTO) | AUTO<br>PERSON<br>TRIPS | VEHICLE<br>OCC. | AUTO<br>VEHICLE<br>TRIPS | % IN   | %OUT   | IN<br>VEHICLE<br>TRIPS | OUT<br>VEHICLE<br>TRIPS | In  | Out | ACCUMULATION |
| 12:00 AM - 1:00 AM    | 0           | 0           | 0          | 0          | 0       | 0   | 0   | 0          |                          | 0.0%           |                          | 0                       |                 | 0                        |        |        | 0                      | 0                       | 0   | 0   | 0            |
| 1:00 AM - 2:00 AM     | 0           | 0           | 0          | 0          | 0       | 0   | 0   | 0          | 1                        | 0.0%           | 1                        | 0                       | 1               | 0                        | 1      |        | 0                      | 0                       | 0   | 0   | 0            |
| 2:00 AM - 3:00 AM     | 0           | 0           | 0          | 0          | 0       | 0   | 0   | 0          | 0                        | 0.0%           | 1                        | 0                       | 1               | 0                        | 1      |        | 0                      | 0                       | 0   | 0   | 0            |
| 3:00 AM - 4:00 AM     | 0           | 0           | 0          | 0          | 0       | 0   | 0   | 0          |                          | 0.0%           | I                        | 0                       | ]               | 0                        |        |        | 0                      | 0                       | 0   | 0   | 0            |
| 4:00 AM - 5:00 AM     | 0           | 0           | 0          | 0          | 0       | 0   | 0   | 0          |                          | 0.0%           | Ι                        | 0                       | ]               | 0                        |        |        | 0                      | 0                       | 0   | 0   | 0            |
| 5:00 AM - 6:00 AM     | 0           | 0           | 0          | 0          | 0       | 0   | 0   | 0          | 0                        | 0.0%           | Ι                        | 0                       | ]               | 0                        |        |        | 0                      | 0                       | 0   | 0   | 0            |
| 6:00 AM - 7:00 AM     | 0           | 0           | 0          | 0          | 0       | 0   | 0   | 0          |                          | 0.0%           |                          | 0                       |                 | 0                        |        |        | 0                      | 0                       | 0   | 0   | 0            |
| 7:00 AM - 8:00 AM     | 1           | 0           | 0          | 0          | 0       | 0   | 0   | 0          |                          | 0.0%           |                          | 0                       |                 | 0                        |        |        | 0                      | 0                       | 1   | 0   | 1            |
| 8:00 AM - 9:00 AM     | 16          | 0           | 0          | 0          | 0       | 0   | 0   | 0          |                          | 3.1%           |                          | 1                       |                 | 0                        |        |        | 0                      | 0                       | 17  | 0   | 18           |
| 9:00 AM - 10:00 AM    | 9           | 0           | 0          | 0          | 10      | 0   | 0   | 0          |                          | 3.0%           |                          | 1                       |                 | 0                        |        |        | 0                      | 0                       | 19  | 0   | 36           |
| 10:00 AM - 11:00 AM   | 0           | 0           | 0          | 0          | 8       | 7   | 0   | 0          |                          | 4.1%           | ]                        | 1                       |                 | 0                        |        |        | 0                      | 0                       | 8   | 7   | 38           |
| 11:00 AM - 12:00 PM   | 1           | 0           | 0          | 0          | 4       | 7   | 0   | 0          | 205                      | 7.2%           | 2.0%                     | 2                       | 2 000           | 1                        | 50.0%  | 50.0%  | 0                      | 0                       | 6   | 7   | 36           |
| 12:00 PM - 1:00 PM    | 0           | 0           | 0          | 0          | 4       | 7   | 0   | 0          | 205                      | 19.0%          | 2.070                    | 4                       | 2.000           | 2                        | 50.070 | 50.070 | 1                      | 1                       | 5   | 8   | 33           |
| 1:00 PM - 2:00 PM     | 0           | 0           | 0          | 0          | 3       | 2   | 0   | 0          |                          | 18.8%          | 1                        | 4                       |                 | 2                        |        |        | 1                      | 1                       | 4   | 3   | 34           |
| 2:00 PM - 3:00 PM     | 0           | 0           | 0          | 0          | 9       | 5   | 0   | 0          |                          | 10.7%          | 1                        | 2                       |                 | 1                        |        |        | 1                      | 1                       | 10  | 6   | 39           |
| 3:00 PM - 4:00 PM     | 0           | 0           | 0          | 0          | 5       | 6   | 0   | 0          |                          | 6.8%           | 1                        | 2                       |                 | 1                        |        |        | 0                      | 0                       | 5   | 7   | 37           |
| 4:00 PM - 5:00 PM     | 0           | 3           | 0          | 0          | 3       | 6   | 0   | 0          |                          | 6.7%           |                          | 2                       |                 | 1                        |        |        | 0                      | 0                       | 3   | 9   | 31           |
| 5:00 PM - 6:00 PM     | 0           | 16          | 0          | 0          | 1       | 2   | 0   | 0          |                          | 10.0%          |                          | 2                       |                 | 1                        |        |        | 1                      | 1                       | 2   | 19  | 14           |
| 6:00 PM - 7:00 PM     | 0           | 7           | 0          | 0          | 2       | 3   | 0   | 0          |                          | 6.9%           | 1                        | 2                       |                 | 1                        |        |        | 0                      | 0                       | 2   | 11  | 6            |
| 7:00 PM - 8:00 PM     | 0           | 0           | 0          | 0          | 0       | 1   | 0   | 0          |                          | 3.0%           | 1                        | 1                       |                 | 0                        |        |        | 0                      | 0                       | 0   | 1   | 5            |
| 8:00 PM - 9:00 PM     | 0           | 1           | 0          | 0          | 0       | 3   | 0   | 0          |                          | 1.1%           | 1                        | 0                       |                 | 0                        |        |        | 0                      | 0                       | 0   | 5   | 0            |
| 9:00 PM - 10:00 PM    | 0           | 0           | 0          | 0          | 0       | 0   | 0   | 0          |                          | 0.0%           | 1                        | 0                       |                 | 0                        |        |        | 0                      | 0                       | 0   | 0   | 0            |
| 10:00 PM - 11:00 PM   | 0           | 0           | 0          | 0          | 0       | 0   | 0   | 0          | 0                        | 0.0%           | ł                        | 0                       |                 | 0                        |        |        | 0                      | 0                       | 0   | 0   | 0            |
| 11:00 PM  - 12:00 AM  | 0           | 0           | 0          | 0          | 0       | 0   | 0   | 0          |                          | 0.0%           |                          | 0                       |                 | 0                        |        |        | 0                      | 0                       | 0   | 0   | 0            |
|                       | 28          | 28          | 0          | 0          | 49      | 49  | 0   | 0          | l                        |                |                          |                         |                 |                          |        |        | 6                      | 6                       | 83  | 83  | ]            |
| Note: Numbers may not | durectly ad | d un due tr | n rounding |            |         |     |     |            |                          |                |                          |                         |                 |                          |        |        |                        |                         |     |     |              |

<sup>1</sup> <sup>2</sup> Temporal distribution for local retail taken from 24 hour temporal distribution data used in the 15 Penn Plaza FEIS, 2010. AM, MD and PM peak hour temporal distributions comply with Table 16-2 of the 2014 CEQR Technical Manual. Hourly local retail trips were developed by applying the hourly temporal distributions to daily vehicle trips, assuming that the assumed local retail modal split, in / out directional split and vehicle occupancy were held consistent throughout each hour of the day. See the Transportation Planning Assumptions table for more information.

#### Table F-8

#### **Transportation Demand Forecast** Incremental Action Automated Off-Street Parking Facility Accumulation 42,280 GSF Patient / 57,890 GSF Staff Action Medical Facility w/5,614 GSF of Local Retail

|          |    |          | STAFF A | UTO-PARK | ED VEHICI | LE TRIPS   | STAFF A | UTO-PARK | ED VEHIC | LE TRIPS   | то <sup>.</sup>  | TAL        |                         |
|----------|----|----------|---------|----------|-----------|------------|---------|----------|----------|------------|------------------|------------|-------------------------|
| TIME     | PE | RIOD     | CAR     | DIO      | OBC       | <u>SYN</u> | CAR     | DIO      | OBC      | <u>SYN</u> | <u>VEH</u><br>TR | ICLE<br>PS | PARKING<br>ACCUMULATION |
|          |    |          | In      | Out      | In        | Out        | In      | Out      | In       | Out        | In               | Out        |                         |
| 12:00 AM | -  | 1:00 AM  | 0       | 0        | 0         | 0          | 0       | 0        | 0        | 0          | 0                | 0          | 0                       |
| 1:00 AM  | -  | 2:00 AM  | 0       | 0        | 0         | 0          | 0       | 0        | 0        | 0          | 0                | 0          | 0                       |
| 2:00 AM  | -  | 3:00 AM  | 0       | 0        | 0         | 0          | 0       | 0        | 0        | 0          | 0                | 0          | 0                       |
| 3:00 AM  | -  | 4:00 AM  | 0       | 0        | 0         | 0          | 0       | 0        | 0        | 0          | 0                | 0          | 0                       |
| 4:00 AM  | -  | 5:00 AM  | 0       | 0        | 0         | 0          | 0       | 0        | 0        | 0          | 0                | 0          | 0                       |
| 5:00 AM  | -  | 6:00 AM  | 0       | 0        | 0         | 0          | 0       | 0        | 0        | 0          | 0                | 0          | 0                       |
| 6:00 AM  | -  | 7:00 AM  | 0       | 0        | 0         | 0          | 0       | 0        | 0        | 0          | 0                | 0          | 0                       |
| 7:00 AM  | -  | 8:00 AM  | 0       | 0        | 4         | 0          | 0       | 0        | 0        | 0          | 4                | 0          | 4                       |
| 8:00 AM  | -  | 9:00 AM  | 1       | 0        | 21        | 0          | 0       | 0        | 0        | 0          | 22               | 0          | 26                      |
| 9:00 AM  | -  | 10:00 AM | 1       | 0        | 29        | 0          | 0       | 0        | 0        | 0          | 30               | 0          | 56                      |
| 10:00 AM | -  | 11:00 AM | 0       | 0        | 8         | 0          | 0       | 0        | 0        | 0          | 9                | 0          | 64                      |
| 11:00 AM | -  | 12:00 PM | 0       | 0        | 4         | 0          | 0       | 0        | 6        | 0          | 10               | 0          | 74                      |
| 12:00 PM | -  | 1:00 PM  | 0       | 0        | 0         | 0          | 0       | 0        | 33       | 3          | 33               | 3          | 103                     |
| 1:00 PM  | -  | 2:00 PM  | 0       | 0        | 0         | 0          | 0       | 0        | 9        | 21         | 9                | 20         | 92                      |
| 2:00 PM  | -  | 3:00 PM  | 0       | 0        | 0         | 4          | 0       | 0        | 0        | 24         | 0                | 28         | 64                      |
| 3:00 PM  | -  | 4:00 PM  | 0       | 0        | 0         | 4          | 0       | 0        | 18       | 0          | 18               | 4          | 78                      |
| 4:00 PM  | -  | 5:00 PM  | 0       | 0        | 0         | 0          | 0       | 0        | 15       | 12         | 15               | 12         | 82                      |
| 5:00 PM  | -  | 6:00 PM  | 0       | 1        | 0         | 4          | 0       | 0        | 27       | 15         | 26               | 20         | 88                      |
| 6:00 PM  | -  | 7:00 PM  | 0       | 0        | 0         | 21         | 0       | 0        | 12       | 18         | 11               | 40         | 60                      |
| 7:00 PM  | -  | 8:00 PM  | 0       | 0        | 0         | 29         | 0       | 0        | 0        | 24         | 0                | 53         | 8                       |
| 8:00 PM  | -  | 9:00 PM  | 0       | 0        | 0         | 0          | 0       | 0        | 0        | 3          | 0                | 3          | 4                       |
| 9:00 PM  | -  | 10:00 PM | 0       | 0        | 0         | 4          | 0       | 0        | 0        | 0          | 0                | 4          | 0                       |
| 10:00 PM | -  | 11:00 PM | 0       | 0        | 0         | 0          | 0       | 0        | 0        | 0          | 0                | 0          | 0                       |
| 11:00 PM | -  | 12:00 AM | 0       | 0        | 0         | 0          | 0       | 0        | 0        | 0          | 0                | 0          | 0                       |
|          |    |          | 2       | 2        | 67        | 67         | 0       | 0        | 110      | 110        | 100              | 100        |                         |

Note: Numbers may not directly add up due to rounding.

## Table F-9Transportation Demand ForecastAutomated Off-Street Parking Facility Accumulation – Action Condition42,280 GSF Patient / 57,890 GSF Staff Action Medical Facility w/5,614 GSF of Local Retail

| STAFF AUTO-PARKED VEHICLE TRIP |          |     | LE TRIPS | PATIENT | AUTO-PAR   | KED VEHIC | CLE TRIPS | LOCAL | RETAIL     | <u>TO</u>               | TAL               |                  |             |                         |
|--------------------------------|----------|-----|----------|---------|------------|-----------|-----------|-------|------------|-------------------------|-------------------|------------------|-------------|-------------------------|
| TIME PE                        | ERIOD    | CAR | DIO      | OBC     | <u>SYN</u> | CAR       | DIO       | OBC   | <u>SYN</u> | <u>AUTO-I</u><br>VEHICL | PARKED<br>E TRIPS | <u>VEH</u><br>TR | ICLE<br>IPS | PARKING<br>ACCUMULATION |
|                                |          | In  | Out      | In      | Out        | In        | Out       | In    | Out        | In                      | Out               | In               | Out         |                         |
| 12:00 AM -                     | 1:00 AM  | 0   | 0        | 0       | 0          | 0         | 0         | 0     | 0          | 0                       | 0                 | 0                | 0           | 0                       |
| 1:00 AM -                      | 2:00 AM  | 0   | 0        | 0       | 0          | 0         | 0         | 0     | 0          | 0                       | 0                 | 0                | 0           | 0                       |
| 2:00 AM -                      | 3:00 AM  | 0   | 0        | 0       | 0          | 0         | 0         | 0     | 0          | 0                       | 0                 | 0                | 0           | 0                       |
| 3:00 AM -                      | 4:00 AM  | 0   | 0        | 0       | 0          | 0         | 0         | 0     | 0          | 0                       | 0                 | 0                | 0           | 0                       |
| 4:00 AM -                      | 5:00 AM  | 0   | 0        | 0       | 0          | 0         | 0         | 0     | 0          | 0                       | 0                 | 0                | 0           | 0                       |
| 5:00 AM -                      | 6:00 AM  | 0   | 0        | 0       | 0          | 0         | 0         | 0     | 0          | 0                       | 0                 | 0                | 0           | 0                       |
| 6:00 AM -                      | 7:00 AM  | 0   | 0        | 0       | 0          | 0         | 0         | 0     | 0          | 0                       | 0                 | 0                | 0           | 0                       |
| 7:00 AM -                      | 8:00 AM  | 2   | 0        | 4       | 0          | 0         | 0         | 0     | 0          | 0                       | 0                 | 6                | 0           | 6                       |
| 8:00 AM -                      | 9:00 AM  | 17  | 0        | 21      | 0          | 0         | 0         | 0     | 0          | 0                       | 0                 | 39               | 0           | 44                      |
| 9:00 AM -                      | 10:00 AM | 9   | 0        | 29      | 0          | 10        | 0         | 0     | 0          | 0                       | 0                 | 49               | 0           | 92                      |
| 10:00 AM -                     | 11:00 AM | 0   | 0        | 8       | 0          | 8         | 7         | 0     | 0          | 0                       | 0                 | 17               | 8           | 102                     |
| 11:00 AM -                     | 12:00 PM | 2   | 0        | 4       | 0          | 4         | 7         | 6     | 0          | 0                       | 0                 | 16               | 8           | 110                     |
| 12:00 PM -                     | 1:00 PM  | 0   | 0        | 0       | 0          | 4         | 7         | 33    | 3          | 1                       | 1                 | 38               | 12          | 137                     |
| 1:00 PM -                      | 2:00 PM  | 0   | 0        | 0       | 0          | 3         | 2         | 9     | 21         | 1                       | 1                 | 13               | 23          | 126                     |
| 2:00 PM -                      | 3:00 PM  | 0   | 0        | 0       | 4          | 9         | 5         | 0     | 24         | 1                       | 1                 | 10               | 33          | 103                     |
| 3:00 PM -                      | 4:00 PM  | 0   | 0        | 0       | 4          | 5         | 6         | 18    | 0          | 0                       | 0                 | 23               | 10          | 116                     |
| 4:00 PM -                      | 5:00 PM  | 0   | 3        | 0       | 0          | 3         | 6         | 15    | 12         | 0                       | 0                 | 19               | 21          | 113                     |
| 5:00 PM -                      | 6:00 PM  | 0   | 17       | 0       | 4          | 1         | 2         | 27    | 15         | 1                       | 1                 | 28               | 39          | 102                     |
| 6:00 PM -                      | 7:00 PM  | 0   | 8        | 0       | 21         | 2         | 3         | 12    | 18         | 0                       | 0                 | 14               | 50          | 66                      |
| 7:00 PM -                      | 8:00 PM  | 0   | 0        | 0       | 29         | 0         | 1         | 0     | 24         | 0                       | 0                 | 0                | 54          | 12                      |
| 8:00 PM -                      | 9:00 PM  | 0   | 2        | 0       | 0          | 0         | 3         | 0     | 3          | 0                       | 0                 | 0                | 8           | 4                       |
| 9:00 PM -                      | 10:00 PM | 0   | 0        | 0       | 4          | 0         | 0         | 0     | 0          | 0                       | 0                 | 0                | 4           | 0                       |
| 10:00 PM -                     | 11:00 PM | 0   | 0        | 0       | 0          | 0         | 0         | 0     | 0          | 0                       | 0                 | 0                | 0           | 0                       |
| 11:00 PM -                     | 12:00 AM | 0   | 0        | 0       | 0          | 0         | 0         | 0     | 0          | 0                       | 0                 | 0                | 0           | 0                       |
|                                |          | 30  | 30       | 67      | 67         | 49        | 49        | 119   | 119        | 6                       | 6                 | 271              | 271         |                         |

Note: Numbers may not directly add up due to rounding.

#### Transit

As previously discussed, the Proposed Action is not expected to result in any significant adverse impacts to subway or bus transit services based on *CEQR Technical Manual* guidelines, and a detailed transit analysis is not provided in this EAS.

#### TRAFFIC ANALYSIS METHODOLOGY

To evaluate existing traffic conditions within the study area, a combination of manual turning movement, vehicle classification, and automatic traffic recorder (ATR) counts were conducted during the weekday AM, midday, and PM peak periods in June 2011. Additionally, field surveys of parking regulations, lane configurations, and other physical and operational characteristics of the street network, which impact overall traffic operations, were also conducted in June 2011. A qualitative assessment of on-street parking conditions was also conducted in June 2011. Additionally, official signal timing plans for study area intersections were obtained from the New York City Department of Transportation (NYCDOT) and verified in the field.

The traffic analysis evaluates conditions in the weekday AM, midday, and PM peak hours when traffic demand (and congestion) is expected to be the greatest. Based on existing peak traffic volumes at study area intersections as well as the peak hour traffic demand projected by the Proposed Project, the 8 to 9 AM, 12 to 1 PM, and 5 to 6 PM hours were selected for weekday AM, midday, and PM peak hour traffic analyses, respectively. To be conservative, peak hour traffic demand projected by the Proposed Project (9 to 10 AM, 12 to 1 PM and 5 to 6 PM hours) will be applied to peak hour traffic demand at study area intersections (8 to 9 AM, 12 to 1 PM and 5 to 6 PM hours) to conservatively evaluate future year traffic conditions.

#### Signalized Intersection Capacity Analysis

The operation of signalized intersections in the study area was analyzed in accordance with CEQR guidelines by applying the methodologies presented in the 2000 Highway Capacity Manual (HCM). Version 5.5 of the Highway Capacity Software (HCS) was utilized to determine average delay per vehicle and level of service (LOS) at each of the analysis intersections.

LOS for signalized intersections is based on the average stopped delay per vehicle for each of the lane group movements within the intersection. This delay is the basis for an LOS determination for individual lane groups (grouping of movements in one or more travel lanes), the approaches, and the overall intersection. The levels of service are defined in Table F-10.

| LOS Crit  | Table F-10         eria for Signalized Intersections |  |  |  |  |  |  |
|---|--|--|--|--|--|--|--|
| Level of Service  | Average Control Delay per Vehicle                    |  |  |  |  |  |  |
| A   | ≤ 10.0 seconds                                       |  |  |  |  |  |  |
| В   | > 10.0 and $\leq$ 20.0 seconds                       |  |  |  |  |  |  |
| С   | > 20.0 and ≤ 35.0 seconds                            |  |  |  |  |  |  |
| D   | > 35.0 and ≤ 55.0 seconds                            |  |  |  |  |  |  |
| E   | > 55.0 and ≤ 80.0 seconds                            |  |  |  |  |  |  |
| F   | > 80.0 seconds                                       |  |  |  |  |  |  |
| Source: Transportation Research Board, <i>Highway</i><br>Capacity Manual, 2000. |  |  |  |  |  |  |  |

Although the HCM methodology calculates a volume-to-capacity (v/c) ratio, there is no strict relationship between v/c ratios and LOS as defined in the HCM. A high v/c ratio indicates substantial traffic passing through an intersection, but a high v/c ratio combined with low average delay actually represents the most efficient condition in terms of traffic engineering standards, where an approach or the whole intersection processes traffic close to its theoretical maximum with minimal delay. However, very high v/c ratios, especially those approaching or greater than 1.0, are often correlated with a deteriorated LOS. Other

important variables affecting delay include cycle length, progression, and green time. LOS A and B indicate good operating conditions with minimal delay. At LOS C, the number of vehicles stopping is higher, but congestion is still fairly light. LOS D describes a condition where congestion levels are more noticeable and individual cycle failures (a condition where motorists may have to wait for more than one green phase to clear the intersection) can occur. The mid-point of this service level (45 seconds of delay) is considered the threshold of acceptable operating conditions. Conditions at LOS E and F reflect poor service levels, and cycle failures are frequent. The HCM methodology provides for a summary of the total intersection operating conditions by identifying the two critical movements (the worst-case from each roadway) and calculating a summary of critical v/c ratio, delay, and LOS.

#### Significant Traffic Impact Criteria

According to the criteria presented in the *CEQR Technical Manual*, impacts are considered significant if they result in an increase of 5 or more seconds of delay in a lane group over No Action levels beyond mid-LOS D. For No Action LOS E, a 4-second increase in delay is considered significant. For No Action LOS F, a 3-second increase in delay is considered significant. In addition, impacts are considered significant if levels of service deteriorate from acceptable A, B, or C in the No Action condition to marginally unacceptable LOS D (a delay in excess of 45 seconds, the midpoint of LOS D), or unacceptable LOS E or F in the Action (Future with the Proposed Project) Condition.

#### TRAFFIC ANALYSIS

#### **2011 Existing Conditions**

The base year traffic conditions described in this section represent 2011 traffic volumes. A comprehensive data collection program, including manual turning movement and vehicle classification counts, travel time, and an inventory of roadway geometry and intersection signal timing, was undertaken in June 2011. The intersection signal timing inventory was verified against official NYCDOT signal timing data also received in June 2011.

#### Study Area Roadways and Peak Hour Traffic Volumes

The traffic study area, identified in Figure F-7, extends south from the development site to 56th Street and north to 54th Street. In the east-west direction, the study area extends from 9th Avenue to Fort Hamilton Parkway. The total study area includes 5 signalized intersections for analysis.

#### Fort Hamilton Parkway

Fort Hamilton Parkway is a southwest to northeast arterial roadway with one lane of moving traffic in each direction. It defines the eastern boundary of the proposed project site between 54<sup>th</sup> and 55<sup>th</sup> Streets. Within the study area, there are three signalized intersection analysis locations on Fort Hamilton Parkway. On typical weekdays, northbound Fort Hamilton Parkway generally carries 570 to 600 vehicles per hour (vph) during the AM peak hour, 465 to 475 vph during the MD peak hour, and 535 to 545 vph during the PM peak hour. In the southbound direction, Fort Hamilton Parkway generally carries 480 to 495 vehicles per hour (vph) during the AM peak hour, 440 to 450 vph during the MD peak hour, and 630 to 635 vph during the PM peak hour.

## 9th Avenue

9<sup>th</sup> Avenue is a southwest to northeast local roadway with one lane of moving traffic in each direction, passing immediately west of the proposed project site. Within the study area, there are two signalized intersections on 9<sup>th</sup> Avenue. On typical weekdays, northbound 9<sup>th</sup> Avenue generally carries 285 to 315 vehicles per hour (vph) during the AM peak hour, 215 to 245 vph during the MD peak hour, and 205 to 215 vph during the PM peak hour. In the southbound direction, 9<sup>th</sup> Avenue generally carries 215 to 220 vehicles per hour (vph) during the AM peak hour, 240 to 275 vph during the MD peak hour, and 325 to 350 vph during the PM peak hour.



#### 54th Street

54<sup>th</sup> Street is a southeast bound local street with one lane of moving traffic. It passes through the northern boundary of the proposed project site just to the west of Fort Hamilton Parkway. Within the study area there are two signalized intersection analysis locations on 54<sup>th</sup> Street. On weekdays within the traffic study area, southeast bound 54<sup>th</sup> Street generally carries 125 vehicles per hour (vph) during the AM peak hour, 115 to 165 vph during the MD peak hour, and 115 to 150 vph during the PM peak hour.

### 55<sup>th</sup> Street

55<sup>th</sup> Street is a northwest bound local street with one lane of moving traffic. Within the study area there are two signalized analysis intersections. On weekdays within the traffic study area, northwest bound 55<sup>th</sup> Street generally carries 140 vehicles per hour (vph) during the AM peak hour, 115 to 125 vph during the midday peak hour, and 110 to 115 vph during the PM peak hour.

#### 56th Street

56<sup>th</sup> Street is a southeast bound local street with one lane of moving traffic. Within the study area there is one signalized analysis intersection (at Fort Hamilton Parkway). On typical weekdays within the traffic study area, southeast bound 56<sup>th</sup> Street generally carries 125 vehicles per hour (vph) during the AM peak hour, 135 vph during the midday peak hour, and 175 vph during the PM peak hour.

Balanced 2011 traffic volumes for the AM, MD, and PM peak hours are presented in Figures F-8 through F-10, respectively.

#### Level of Service Analysis

An intersection capacity and level of service analysis was conducted for the five (5) signalized study area intersections. Detailed analysis results, including the v/c ratio, delay, and LOS for each of the five intersections are provided in Table F-11 for the weekday AM, MD, and PM peak hours. All intersections within the traffic study area operate at overall acceptable levels during the three analysis peak hours under 2011 Existing Conditions.

| Intersection               | Approach / |              |        | AM Pe     | eak            |     | MD P   | eak       |                | PM Peak |        |           |                |     |
|----------------------------|------------|--------------|--------|-----------|----------------|-----|--------|-----------|----------------|---------|--------|-----------|----------------|-----|
|                            | Lane       | Group        | Volume | v⁄c Ratio | Delay<br>(sec) | LOS | Volume | v/c Ratio | Delay<br>(sec) | LOS     | Volume | v⁄c Ratio | Delay<br>(sec) | LOS |
|                            | EB LTR     |              | 125    | 0.26      | 12.1           | В   | 165    | 0.34      | 13.1           | В       | 150    | 0.35      | 13.1           | В   |
| 54th Street and 9th        | NB         | TR           | 285    | 0.53      | 15.9           | В   | 215    | 0.37      | 13.3           | В       | 205    | 0.33      | 12.7           | В   |
| Ave                        | SB         | LT           | 220    | 0.41      | 14.0           | В   | 240    | 0.46      | 14.8           | В       | 325    | 0.59      | 17.2           | В   |
|                            | Inters     | ection       | 630    |           | 14.5           | В   | 620    |           | 13.8           | В       | 680    |           | 14.9           | В   |
|                            | WB         | LTR          | 140    | 0.28      | 12.8           | В   | 115    | 0.25      | 12.4           | В       | 110    | 0.22      | 12.1           | В   |
| 55th Street and 9th<br>Ave | NB         | LT           | 315    | 0.66      | 20.4           | С   | 245    | 0.53      | 17.0           | В       | 215    | 0.43      | 14.8           | В   |
|                            | SB         | TR           | 215    | 0.41      | 14.4           | В   | 275    | 0.54      | 16.6           | В       | 350    | 0.63      | 18.9           | В   |
|                            | Inters     | Intersection |        |           | 16.8           | В   | 635    |           | 16.0           | В       | 675    |           | 16.4           | В   |
|                            | EB         | LTR          | 125    | 0.40      | 37.3           | D   | 115    | 0.27      | 23.5           | С       | 115    | 0.37      | 36.5           | D   |
| 54th Street and Fort       | NB         | TR           | 570    | 0.70      | 19.4           | В   | 475    | 0.62      | 17.1           | В       | 535    | 0.68      | 18.7           | В   |
| Hamilton Pkwy              | SB         | LT           | 480    | 0.60      | 16.8           | В   | 440    | 0.64      | 17.9           | В       | 630    | 0.77      | 22.4           | С   |
|                            | Inters     | ection       | 1,175  |           | 20.4           | С   | 1,030  |           | 18.1           | В       | 1,280  |           | 22.2           | С   |
|                            | WB         | LTR          | 140    | 0.49      | 39.6           | D   | 125    | 0.36      | 25.1           | С       | 115    | 0.36      | 36.2           | D   |
| 55th Street and Fort       | NB         | TR           | 580    | 0.78      | 24.0           | С   | 465    | 0.66      | 18.5           | В       | 535    | 0.68      | 19.0           | В   |
| Hamilton Pkwy              | SB         | LT           | 485    | 0.56      | 15.4           | В   | 450    | 0.62      | 17.0           | В       | 630    | 0.70      | 19.2           | В   |
|                            | Inters     | ection       | 1,205  |           | 22.8           | С   | 1,040  |           | 18.8           | В       | 1,280  |           | 20.8           | С   |
|                            | EB         | LTR          | 125    | 0.38      | 36.9           | D   | 135    | 0.35      | 24.8           | С       | 175    | 0.54      | 41.1           | D   |
| 56th Street and Fort       | NB         | TR           | 600    | 0.77      | 22.5           | С   | 475    | 0.62      | 17.1           | В       | 545    | 0.67      | 18.3           | В   |
| Hamilton Pkwy              | SB         | LT           | 495    | 0.64      | 17.7           | В   | 450    | 0.65      | 18.1           | В       | 635    | 0.74      | 21.1           | С   |
|                            | Inters     | ection       | 1,220  |           | 22.1           | С   | 1,060  |           | 18.5           | В       | 1,355  |           | 22.8           | С   |

| Table F-11   |
|--|
| 2011 Existing Conditions Level of Service Analysis |

FORT HAMILTON PARKWAY 9TH AVENUE GRAPHIC NOT TO SCALE. 180 125 125 125 125 40 40 440 54TH STREET 54TH STREET  $\downarrow$  $\downarrow$ Ľ Ч 30 ⊿  $\uparrow$ 7 125  $\rightarrow$ 7 7  $\uparrow$ 7 30 60  $\rightarrow$ 260 25 Ы 50  $\rightarrow$ 525 45 35 Ы 0 IN 0 OUT 45 Ч DROPOFF OFF-STREET GARAGE Ľ 570 215 285 485 PROJECT SITE 5402 FORT HAMILTON PKWY 215 570 PICKUP 485 285 Ы  $\overline{}$ 35  $\overline{\}$ 55 140 140 ← 55 195 ← 90 20 465 20 55TH STREET ⊻  $\downarrow$ 15 Ľ  $\downarrow$ 30 55TH STREET Ľ Ľ  $\uparrow$  $\overline{}$  $\overline{\}$  $\uparrow$ 65 250 65 515 FORT HAMILTON PARKWAY **9TH AVENUE** 495 495 580 580 455 40 56TH STREET 56TH STREET  $\downarrow$ Ч 30 7  $\uparrow$ ⊿ 50 65  $\rightarrow$ 550 30 Ы **9TH AVENUE** FORT HAMILTON PARKWAY

Figure F-8 2011 Existing Traffic Volumes – Weekday AM Peak Hour

FORT HAMILTON PARKWAY 9TH AVENUE GRAPHIC NOT TO SCALE. 210 115 115 115 115 405 35 30 54TH STREET 54TH STREET  $\downarrow$  $\downarrow$ Ы Ч 35 ⊿ 7 115  $\rightarrow$ 7 7  $\uparrow$ 7  $\uparrow$ 20 65  $\rightarrow$ 195 20 Ы 50  $\rightarrow$ 435 40 65 Ы 0 IN 0 OUT 45 Ч DROPOFF OFF-STREET GARAGE 475 475 Ľ 275 215 450 PROJECT SITE 5402 FORT HAMILTON PKWY 275 215 PICKUP 450 Ы  $\overline{}$ 35  $\overline{\}$ 55 ← 60 115 115  $\leftarrow$ 45 55 220 25 425 55TH STREET ⊻  $\downarrow$ 20 Ľ  $\downarrow$ 25 55TH STREET Ľ Ľ  $\uparrow$  $\overline{}$  $\overline{\}$  $\uparrow$ 65 180 45 420 FORT HAMILTON PARKWAY 450 450 **9TH AVENUE** 465 465 425 25 56TH STREET 56TH STREET  $\downarrow$ Ч 25 7  $\uparrow$ ⊿ 35 60  $\rightarrow$ 440 50 Ы **9TH AVENUE** FORT HAMILTON PARKWAY

Figure F-9 2011 Existing Traffic Volumes – Weekday MD Peak Hour



Figure F-10 2011 Existing Traffic Volumes – Weekday PM Peak Hour

#### Future Conditions without the Proposed Project (No Action)

#### Street Network Modifications

In late 2011, NYCDOT completed the redesign of the Fort Hamilton Parkway corridor within the traffic study area in order to improve traffic and pedestrian flow. The traffic study area is within the Borough Park Pedestrian Senior Focus Area. The redesigned corridor, which generally includes one 11 foot moving lane per direction, one 9 foot parking lane per direction and a 10 foot flush center median with left turn bays, will be incorporated into the analysis of No Action traffic conditions. Additionally, the analysis of No Action traffic conditions incorporates modifications to official NYCDOT signal timing plans (obtained in September 2014).

#### Peak Hour Traffic Volumes

Traffic volumes on the study area roadway network in the 2016 No Action condition were derived through a combination of background traffic growth and incremental vehicle trips generated by the Proposed Project<sup>5</sup> (as-of-right building). For the 2016 No Action traffic analysis forecasts, general background growth rates were applied as set forth in the *CEQR Technical Manual*. A cumulative background growth rate of 2.5 percent was applied to 2011 existing conditions to represent background growth occurring over the 2011 to 2016 period (a compounded annual background growth rate of 0.50 percent). Appendix 4 of the EAS (Proposed Project Travel Demand Factor Memorandum) contains the assumptions and methodology supporting the development of projected peak hour person and vehicle trips generated by the Proposed (as-of-right) Project.

There are no proposed developments within the study area that are expected to contribute to the increase in traffic demand. Appendix 5 of the EAS (No Action Development Travel Demand Factor Memorandum) discusses the appropriateness of considering planned No Action developments as part of the general projected background growth in traffic.

Figures F-11 to F-13 provide the 2016 No Action traffic volumes for the typical weekday AM, MD, and PM peak hours, respectively, in the study area.

#### Level of Service Analysis

An intersection capacity and level of service analysis was conducted for the five signalized study area intersections. Detailed analysis results, including the v/c ratio, delay, and LOS for intersections are provided in Table F-12 for the weekday AM, MD, and PM peak hours. All intersections within the traffic study area operate at overall acceptable levels (that is, mid-LOS D or better) during the three analysis peak hours under 2016 No Action Conditions.

<sup>5</sup> The No Action incremental traffic diagrams were developed as part of the Level 2 Screening Assessment and are presented in Figures F-1 through F-3.

|                        |              |        | <u>`</u> | C         | <b>j</b> /     |     |        |           |                |         | <b>ř</b> |           |                |     |  |  |  |
|------------------------|--------------|--------|----------|-----------|----------------|-----|--------|-----------|----------------|---------|----------|-----------|----------------|-----|--|--|--|
| Intersection           | Appro        | ach /  |          | AM Pe     | eak            |     | MD P   | eak       |                | PM Peak |          |           |                |     |  |  |  |
| Increation             | Lane         | Group  | Volume   | v∕c Ratio | Delay<br>(sec) | LOS | Volume | v⁄c Ratio | Delay<br>(sec) | LOS     | Volume   | v⁄c Ratio | Delay<br>(sec) | LOS |  |  |  |
|                        | EB           | LTR    | 133      | 0.29      | 12.9           | В   | 173    | 0.38      | 14.2           | В       | 155      | 0.38      | 14.1           | В   |  |  |  |
| 54th Street and 9th    | NB           | TR     | 314      | 0.61      | 18.4           | В   | 240    | 0.44      | 14.8           | В       | 218      | 0.37      | 13.7           | В   |  |  |  |
| Ave                    | SB           | LT     | 230      | 0.46      | 15.4           | В   | 247    | 0.50      | 16.1           | В       | 334      | 0.63      | 18.9           | В   |  |  |  |
|                        | Inters       | ection | 677      |           | 16.3           | В   | 660    |           | 15.1           | В       | 707      |           | 16.2           | В   |  |  |  |
|                        | WB           | LTR    | 162      | 0.33      | 13.5           | В   | 136    | 0.30      | 13.1           | В       | 122      | 0.25      | 12.4           | В   |  |  |  |
| 55th Street and 9th    | NB           | LT     | 328      | 0.69      | 21.5           | С   | 256    | 0.57      | 18.0           | В       | 221      | 0.45      | 15.1           | В   |  |  |  |
| Ave                    | SB           | TR     | 221      | 0.42      | 14.5           | В   | 282    | 0.56      | 17.2           | В       | 359      | 0.65      | 19.5           | В   |  |  |  |
|                        | Intersection |        | 711      |           | 17.5           | В   | 674    |           | 16.6           | В       | 702      |           | 16.9           | В   |  |  |  |
|                        | EB           | LTR    | 139      | 0.45      | 38.7           | D   | 145    | 0.36      | 25.0           | С       | 144      | 0.48      | 39.3           | D   |  |  |  |
| E4th Otre et and East  | NB           | TR     | 584      | 0.71      | 20.1           | С   | 487    | 0.64      | 17.7           | В       | 549      | 0.70      | 19.3           | В   |  |  |  |
| Hamilton Pkww          | CD.          | L      | 41       | 0.12      | 9.8            | Α   | 36     | 0.12      | 10.2           | В       | 41       | 0.12      | 9.8            | Α   |  |  |  |
| T Idiffition F Kwy     | 30           | Т      | 454      | 0.52      | 14.7           | В   | 421    | 0.57      | 15.9           | В       | 607      | 0.69      | 18.9           | В   |  |  |  |
|                        | Intersection |        | 1,218    |           | 20.1           | С   | 1,089  |           | 17.7           | В       | 1,341    |           | 21.2           | С   |  |  |  |
|                        | WB           | LTR    | 152      | 0.53      | 40.9           | D   | 134    | 0.40      | 25.8           | С       | 121      | 0.38      | 36.7           | D   |  |  |  |
| EEth Otre et an d East | ND           | L      | 73       | 0.19      | 10.7           | В   | 51     | 0.16      | 10.8           | В       | 38       | 0.12      | 9.9            | Α   |  |  |  |
| Soth Street and Fort   | IND          | Т      | 528      | 0.63      | 17.4           | В   | 431    | 0.56      | 15.6           | В       | 513      | 0.61      | 16.5           | В   |  |  |  |
| Tidimitor T Kwy        | SB           | TR     | 508      | 0.59      | 16.1           | В   | 484    | 0.67      | 18.5           | В       | 659      | 0.73      | 20.5           | С   |  |  |  |
|                        | Inters       | ection | 1,261    |           | 19.8           | В   | 1,100  |           | 18.1           | В       | 1,331    |           | 20.3           | С   |  |  |  |
|                        | EB           | LTR    | 129      | 0.40      | 37.4           | D   | 139    | 0.37      | 25.3           | С       | 180      | 0.56      | 42.0           | D   |  |  |  |
| ECth Street and East   | NB           | TR     | 621      | 0.79      | 24.0           | С   | 492    | 0.65      | 17.8           | В       | 561      | 0.69      | 19.0           | В   |  |  |  |
| Hamilton Pkwy          | CD.          | L      | 44       | 0.14      | 10.2           | В   | 31     | 0.10      | 10.1           | В       | 48       | 0.13      | 9.9            | A   |  |  |  |
| Traninito IT F Kwy     | 30           | Т      | 471      | 0.55      | 15.2           | В   | 446    | 0.62      | 17.1           | В       | 612      | 0.66      | 17.9           | В   |  |  |  |
|                        | Inters       | ection | 1,265    |           | 21.8           | С   | 1,108  |           | 18.2           | В       | 1,401    |           | 21.5           | С   |  |  |  |

 Table F-12

 2016 No Action (As-of-Right) Conditions Level of Service Analysis



Figure F-11 2016 No Action Traffic Volumes – Weekday AM Peak Hour



Figure F-12 2016 No Action Traffic Volumes – Weekday MD Peak Hour



Figure F-13 2016 No Action Traffic Volumes – Weekday PM Peak Hour

#### Future Conditions with the Proposed Action (Action)

#### Street Network Modifications

As in the No Action condition, the analysis of Action traffic conditions will incorporate the NYCDOT redesign of the Fort Hamilton Parkway corridor within the traffic study area in order to improve traffic and pedestrian flow. Additionally, the analysis of Action traffic conditions incorporates modifications to official NYCDOT signal timing plans (obtained in September 2014).

#### Peak Hour Traffic Volumes

Traffic volumes on the study area roadway network in the Action Condition were derived through the addition of incremental vehicle trips generated by the Proposed Project (developed as part of the Level 2 Screening Assessment and presented in Figures F-4 through F-6) to the 2016 No Action traffic volumes. Appendix 4 of the EAS (Proposed Project Travel Demand Factor Memorandum) contains the assumptions and methodology supporting the development of projected peak hour person and vehicle trips generated by the Proposed (RWCDS) Project.

Figures F-14 through F-16 provide the 2016 Action Condition traffic volumes for the typical weekday AM, MD, and PM peak hours, respectively, in the study area.

#### Level of Service Analysis

An intersection capacity and level of service analysis was conducted for the five study area intersections. Detailed analysis results, including the v/c ratio, delay, and LOS for intersections are provided in Table F-13 for the weekday AM, MD, and PM peak hours.

|                       |              |              | 1      |           |                |     | 1      |           |                | v   |         |           |                |     |  |  |  |
|-----------------------|--------------|--------------|--------|-----------|----------------|-----|--------|-----------|----------------|-----|---------|-----------|----------------|-----|--|--|--|
| Intersection          | Appro        | bach /       |        | AM Pe     | eak            |     |        | MD P      | eak            |     | PM Peak |           |                |     |  |  |  |
| Intersection          | Lane         | Group        | Volume | v∕c Ratio | Delay<br>(sec) | LOS | Volume | v∕c Ratio | Delay<br>(sec) | LOS | Volume  | v∕c Ratio | Delay<br>(sec) | LOS |  |  |  |
|                       | EB           | LTR          | 141    | 0.30      | 13.1           | В   | 179    | 0.40      | 14.4           | В   | 162     | 0.40      | 14.4           | В   |  |  |  |
| 54th Street and 9th   | NB           | TR           | 340    | 0.67      | 20.3           | С   | 283    | 0.54      | 16.8           | В   | 273     | 0.49      | 15.8           | В   |  |  |  |
| Ave                   | SB           | LT           | 236    | 0.50      | 16.3           | В   | 255    | 0.54      | 16.9           | В   | 341     | 0.66      | 19.8           | В   |  |  |  |
|                       | Inters       | ection       | 717    |           | 17.6           | В   | 717    |           | 16.2           | В   | 776     |           | 17.2           | В   |  |  |  |
|                       | WB           | LTR          | 189    | 0.39      | 14.4           | В   | 172    | 0.40      | 14.5           | В   | 173     | 0.37      | 14.0           | В   |  |  |  |
| 55th Street and 9th   | NB           | LT           | 329    | 0.69      | 21.6           | С   | 265    | 0.59      | 18.5           | В   | 231     | 0.47      | 15.5           | В   |  |  |  |
| Ave                   | SB           | TR           | 221    | 0.42      | 14.5           | В   | 282    | 0.56      | 17.2           | В   | 359     | 0.66      | 19.7           | В   |  |  |  |
|                       | Intersection |              | 739    |           | 17.6           | В   | 719    |           | 17.0           | В   | 763     |           | 17.1           | В   |  |  |  |
|                       | EB           | LTR          | 149    | 0.49      | 39.8           | D   | 171    | 0.43      | 26.5           | С   | 207     | 0.72      | 49.8           | D   |  |  |  |
| E4th Otreat and East  | NB           | TR           | 584    | 0.71      | 20.1           | С   | 487    | 0.64      | 17.7           | В   | 549     | 0.70      | 19.4           | В   |  |  |  |
| 54th Street and Fort  | SB           | L            | 41     | 0.12      | 9.8            | Α   | 36     | 0.12      | 10.2           | В   | 41      | 0.12      | 9.8            | Α   |  |  |  |
| Hamilton FKwy         |              | Т            | 456    | 0.53      | 14.7           | В   | 427    | 0.58      | 16.1           | В   | 617     | 0.70      | 19.3           | В   |  |  |  |
|                       | Inters       | Intersection |        |           | 20.4           | С   | 1,121  |           | 18.1           | В   | 1,414   |           | 23.9           | С   |  |  |  |
|                       | WB           | LTR          | 165    | 0.57      | 42.4           | D   | 149    | 0.44      | 26.7           | С   | 140     | 0.44      | 38.2           | D   |  |  |  |
|                       | ND           | L            | 83     | 0.22      | 11.1           | В   | 64     | 0.22      | 11.7           | В   | 54      | 0.19      | 11.0           | В   |  |  |  |
| Softh Street and Fort | IND          | Т            | 528    | 0.63      | 17.4           | В   | 431    | 0.56      | 15.6           | В   | 513     | 0.61      | 16.5           | В   |  |  |  |
| Tial Till Of F Kwy    | SB           | TR           | 519    | 0.60      | 16.4           | В   | 510    | 0.71      | 19.9           | В   | 710     | 0.79      | 23.5           | С   |  |  |  |
|                       | Inters       | ection       | 1,295  |           | 20.3           | С   | 1,154  |           | 18.9           | В   | 1,417   |           | 22.1           | С   |  |  |  |
|                       | EB           | LTR          | 129    | 0.40      | 37.4           | D   | 139    | 0.37      | 25.4           | С   | 180     | 0.57      | 42.3           | D   |  |  |  |
| Foth Otreat and Fast  | NB           | TR           | 631    | 0.81      | 24.8           | С   | 505    | 0.66      | 18.3           | В   | 577     | 0.71      | 19.8           | В   |  |  |  |
| 56th Street and Fort  | 0.0          | L            | 48     | 0.16      | 10.4           | В   | 37     | 0.13      | 10.4           | В   | 60      | 0.17      | 10.5           | В   |  |  |  |
|                       | ъв           | Т            | 474    | 0.55      | 15.3           | В   | 458    | 0.64      | 17.5           | В   | 635     | 0.68      | 18.7           | В   |  |  |  |
|                       | Inters       | ection       | 1,282  |           | 22.2           | С   | 1,139  |           | 18.6           | В   | 1,452   |           | 22.0           | С   |  |  |  |

 Table F-13

 2016 Action Conditions Level of Service Analysis

All intersections in the traffic study area with the exception of one are projected to operate at overall acceptable levels during the three analysis peak hours under 2016 Action Conditions. The lone exception is the shared left, through and right turn lane on the eastbound approach of 54th Street and Fort Hamilton Parkway during the PM peak hour, which is projected to deteriorate to mid-LOS D (49.8 seconds of

average delay per vehicle) in the Action Condition from LOS D (39.3 seconds of average delay per vehicle) in the No Action Condition.



Figure F-14 2016 Action Condition Traffic Volumes – Weekday AM Peak Hour



Figure F-15 2016 Action Condition Traffic Volumes – Weekday MD Peak Hour



Figure F-16 2016 Action Condition Traffic Volumes – Weekday PM Peak Hour

#### PROPOSED PROJECT MITIGATION

*The traffic analysis indicates that project-generated traffic has the potential to generate a significant adverse impact.* The proposed traffic mitigation measures, including signal timing modifications and revisions to on-street parking regulations, would fully mitigate the potential impact. In consultation with NYCDOT, these measures were deemed to be reasonable and appropriate. A Restrictive Declaration will be recorded against the project site to ensure that the proposed traffic mitigation measures are implemented at the time of development to avoid a significant adverse impact.

#### Traffic

The Proposed Project contains one approach movement (the eastbound approach of the intersection of 54<sup>th</sup> Street and Fort Hamilton Parkway during the PM peak hour) which is projected to deteriorate below overall acceptable operating levels. Therefore, the Proposed Project would require a modification of signal timing as a component of the project in order to avoid potential significant traffic impacts. The proposed traffic improvement measure presented in Table F-14 (a three second signal timing shift) would be implemented in accordance with the anticipated conditional negative declaration for the Proposed Action and restore the eastbound approach of the intersection of 54<sup>th</sup> Street and Fort Hamilton Parkway (during the PM peak hour) to overall acceptable operating levels. The Proposed Project would not result in significant adverse traffic impacts at study area intersections during the three analyzed peak hours

Table F-14 Proposed Project Mitigation (Traffic) 2016 No Action Conditions and 2016 Action Conditions (with & without Improvements) LOS

|                                       | Anarysis     |            |         |                                       |          |      |        |                                       |         |      |                 |               |           |       |                                      |  |
|---------------------------------------|--------------|------------|---------|---------------------------------------|----------|------|--------|---------------------------------------|---------|------|-----------------|---------------|-----------|-------|--------------------------------------|--|
|                                       |              | Approach / |         | No Actio                              | n PM Pe: | ak   | 20'    | 16 Action                             | PM Peal | ĸ    | 20 <sup>.</sup> | 16 Action     | PM Peal   | κ     | Proposed Traffic Improvement Measure |  |
| Intersection                          | Approac      |            |         | (without Traffic Improvement Measure) |          |      |        | (without Traffic Improvement Measure) |         |      |                 | uffic Improve | ament Mea | sure) |                                      |  |
|                                       | Lane Gro     | Jup        | Volume  | v/c Ratio                             | Delay    | 1.05 | Volume | v/c Ratio                             | Delay   | 1.05 | Volume          | v/c Ratio     | Delay     | 1.05  | EXISTING SIGNAL TIMING:              |  |
|                                       |              |            | Volume  | we Ratio                              | (sec)    | 200  | Volume | we had                                | (sec)   | 100  | Volume          | WC Ratio      | (sec)     | 100   | NB/SB: 75s G / 3s Y / 2s K           |  |
|                                       | EB           | LTR        | 144     | 0.48                                  | 39.3     | D    | 207    | 0.72                                  | 49.8    | D    | 207             | 0.66          | 43.8      | D     | EB: 355 G / 35 Y / 25 K              |  |
| E4th Otreat and Eart                  | NB           | TR         | 549     | 0.70                                  | 19.3     | В    | 549    | 0.70                                  | 19.4    | В    | 549             | 0.73          | 22.3      | С     |                                      |  |
| 54th Street and Fort<br>Hamilton Pkwy | S D          | L          | 41      | 0.12                                  | 9.8      | А    | 41     | 0.12                                  | 9.8     | Α    | 41              | 0.13          | 11.2      | В     | NB/SB: 72s G / 3s Y / 2s R (-3s G)   |  |
|                                       | 30           | Т          | 607     | 0.69                                  | 18.9     | В    | 617    | 0.70                                  | 19.3    | В    | 617             | 0.73          | 22.2      | С     | EB: 38s G / 3s Y / 2s R (+3s G)      |  |
|                                       | Intersection |            | 1 1 2 1 |                                       | 21.2     | C    | 1 414  |                                       | 23.9    | 0    | 1 414           |               | 25.4      | 0     |                                      |  |

Note: The proposed signal timings would be applied during 3PM-7:30PM Monday-Friday in order to conform with existing NYCDOT signal timing plans.

#### Parking

The Proposed Project would also require two modifications of on-street parking regulations. One modification would serve to provide acceptable access to/from the proposed below grade automated offstreet parking facility and the other modification would accommodate ambulette parking along the west side of Fort Hamilton Parkway fronting the entrance to the Proposed Project.

It is proposed that a portion of existing on-street parking regulations (approximately 50 feet in length and as close as possible to the entrance to the Proposed Project) on the west side of Fort Hamilton Parkway from 54<sup>th</sup> Street to 55<sup>th</sup> Street be revised from the existing "No Parking 8:30-10 AM Monday" to "No Standing 7AM-7PM Monday to Friday except Authorized Vehicles, Ambulettes". This modification is projected to result in the loss of two (2) on-street parking spaces but will ensure that ambulettes will not impede traffic flow along Fort Hamilton Parkway.

Additionally, it is proposed that "No Standing Anytime" signage be posted approximately 20 feet west and east of the access to the proposed below grade automated off-street parking facility (on the south side of 54<sup>th</sup> Street, west of Fort Hamilton Parkway). This modification is projected to result in the loss of two (2) on-street parking spaces but will ensure acceptable ingress and egress to the off-street parking facility.

In total, the Proposed Project would require a removal of four (4) on-street parking spaces. To be certain that the proposed removal of four parking spaces will not result in a parking impact, a supplemental parking analysis was performed. The analysis (contained in Appendix 4) determined that there is sufficient on-street parking capacity to accommodate the loss of four parking spaces.

#### TRAFFIC SAFETY

#### Existing Study Area Accident Patterns

Accident data for intersections within the traffic study area were obtained from NYCDOT. This information provides available accident data from 2008 to 2012 and is presented in Table F-15. The table provides, by intersection, the total number of accidents, the number of fatalities and injuries during the study period, as well as a yearly breakdown of pedestrian- and bicycle-related injuries or fatalities at each intersection.

| Interestien   |   | 2008-2012                      |               |              |            | Injuries or Fatalities by Year |          |         |           |      |      |      |                        |      |      |      |                       |      |      |      |      |      |      |      |
|---|---|--------------------------------|---------------|--------------|------------|--------------------------------|----------|---------|-----------|------|------|------|------------------------|------|------|------|-----------------------|------|------|------|------|------|------|------|
| inters  | ection  | Overall Accidents <sup>1</sup> |               |              | Pedestrian |                                |          |         | Bicyclist |      |      |      | Motor Vehicle Occupant |      |      |      | Combined <sup>2</sup> |      |      |      |      |      |      |      |
| Main Street   | Cross Street  | Total                          | Entalition    | Injurios     | 2000       | 2000                           | 2010     | 2011    | 2012      | 2000 | 2000 | 2010 | 2011                   | 2012 | 2000 | 2000 | 2010                  | 2011 | 2012 | 2000 | 2000 | 2010 | 2011 | 2012 |
| Wall Street   | Main Street Cross Street  | Accidents <sup>3</sup>         | ratainties    | injunes      | 2000       | 2009                           | 2010     | 2011    | 2012      | 2000 | 2009 | 2010 | 2011                   | 2012 | 2006 | 2009 | 2010                  | 2011 | 2012 | 2000 | 2009 | 2010 | 2011 | 2012 |
| 54th Street   | 9th Avenue  | 6                              | 0             | 3            | 0          | 2                              | 0        | 0       | 0         | 0    | 0    | 0    | 0                      | 0    | 0    | 0    | 0                     | 1    | 0    | 0    | 2    | 0    | 1    | 0    |
| 54th Street   | Fort Hamilton Parkway   | 9                              | 0             | 8            | 0          | 0                              | 2        | 2       | 1         | 0    | 0    | 0    | 0                      | 0    | 1    | 0    | 0                     | 2    | 0    | 1    | 0    | 2    | 4    | 1    |
| 55th Street   | 9th Avenue  | 5                              | 0             | 4            | 1          | 1                              | 0        | 0       | 0         | 0    | 0    | 0    | 0                      | 0    | 2    | 0    | 0                     | 0    | 0    | 3    | 1    | 0    | 0    | 0    |
| 55th Street   | Fort Hamilton Parkway   | 6                              | 0             | 7            | 1          | 0                              | 1        | 0       | 0         | 0    | 0    | 0    | 0                      | 0    | 0    | 1    | 1                     | 2    | 1    | 1    | 1    | 2    | 2    | 1    |
| 56th Street   | Fort Hamilton Parkway   | 9                              | 0             | 7            | 1          | 1                              | 0        | 0       | 2         | 0    | 0    | 0    | 0                      | 0    | 1    | 0    | 0                     | 2    | 0    | 2    | 1    | 0    | 2    | 2    |
| Notes:  |   |                                |               |              |            |                                |          |         |           |      |      |      |                        |      |      |      |                       |      |      |      |      |      |      |      |
| 1 Overall accidents include   | accidents involving one or  | more motor veh                 | icles or a mo | otor vehicle | with a p   | pedestr                        | ian or b | icycle. |           |      |      |      |                        |      |      |      |                       |      |      |      |      |      |      |      |
| <sup>2</sup> A combined total of five of  | <sup>2</sup> A combined total of five or more pedestrian and/or bicycle related accidents in any one year is the CEQR criteria for identifying a high crash location. |                                |               |              |            |                                |          |         |           |      |      |      |                        |      |      |      |                       |      |      |      |      |      |      |      |
| <sup>3</sup> A combined total of 48 or more reportable and non-reportable accidents in any one year is the CEQR criteria for identifying a high crash location. |   |                                |               |              |            |                                |          |         |           |      |      |      |                        |      |      |      |                       |      |      |      |      |      |      |      |
|   |   |                                |               |              |            |                                |          |         |           |      |      |      |                        |      |      |      |                       |      |      |      |      |      |      |      |
| Source: NYCDOT  |   |                                |               |              |            |                                |          |         |           |      |      |      |                        |      |      |      |                       |      |      |      |      |      |      |      |

Table F-15Study Area Accident History – January 1, 2008 through December 31, 2012

As indicated in Table F-15, no intersections in the study area exceed the CEQR criteria for a high crash location; that is, five or more pedestrian-related accidents during any one year over the three-year accident history period and 48 or more total reportable and non-reportable accidents during any one year over the three-year accident history period. The proposed project would not reasonably be expected to significantly increase the number of accidents in the study area.

## 2.G AIR QUALITY

### INTRODUCTION

Ambient air quality, or the quality of the surrounding air, may be affected by air pollutants produced by motor vehicles, referred to as "mobile sources;" or by fixed facilities, usually referenced as "stationary sources," or by a combination of both. Under CEQR, an air quality assessment determines both a proposed project's effects on ambient air quality as well as the effects of ambient air quality on the project.

As discussed in Section 1, Project Description, and Section 2.A, Land Use, Zoning, and Public Policy, the project site will be redeveloped by the 2015 build year whether or not the Proposed Action is taken, and no redevelopment or enlargement of existing uses is anticipated on either of the two other properties that would be affected by the proposed rezoning.

The proposed project would consist of a single six-story building with a roof height of 66 feet and a maximum height of about 76 feet to the top of the mechanical bulkhead. The building's lower floors would cover the entire site, except for a rear yard of approximately 475 square feet at the southwest corner of the property, but the building would be set back 20 feet from 54<sup>th</sup> Street and 17 feet 3 inches from Fort Hamilton Parkway above the fourth floor (44 feet in height). The building would contain 53,604 square feet of above-grade floor area, consisting of a medical center and 5,614 square feet of ground floor commercial space. The proposed project would also include a cellar level (with 9,900 square feet of additional medical center space) and up to three sub-cellar levels in which approximately 151 accessory parking spaces would be provided.

In the future without the Proposed Action, a medical center building with ground floor commercial space and a below-grade garage would also be built, but the development would follow the R5/C1-3 rather than R6/C1-3 zoning regulations. The new building would have the same footprint as the proposed project, but the building would be three stories in height (about 33 feet to the roof, plus an additional 11 feet of height for the mechanical bulkhead). The building would be set back 30 feet from 54<sup>th</sup> Street and 27 feet one inch from Fort Hamilton Parkway above the second floor (22 feet in height). The building would contain 22,879 square feet of above-grade floor area, consisting of a medical center and 5,614 square feet of ground floor commercial space. The building would also include a cellar level (with 9,900 square feet of additional medical center space) and up to two additional sub-cellar levels in which approximately 82 accessory parking spaces would be provided.

This section assesses the potential for the Proposed Action to result in significant mobile source air quality impacts by increasing traffic on nearby streets or by adding new parking facilities. It assesses the Action's potential to result in significant adverse stationary source air quality impacts because of exhaust vented from the new building's heating, ventilation, and air conditioning (HVAC) systems or because the new building would be subject to existing HVAC emissions, air toxics, or odors.

#### PRINCIPAL CONCLUSIONS

The Proposed Action would not result in violations of ambient air quality standards or exceedances of health-related guideline values, and the proposed building would not be subject to unhealthful pollutant concentrations, air toxics, or odors from nearby emissions sources. The Proposed Action would therefore not result in any significant adverse air quality impacts.

### STANDARDS AND GUIDELINES

#### National and State Ambient Air Quality Standards

Ambient air is defined by the United States Environmental Protection Agency (EPA) as that portion of the atmosphere, external from buildings, to which the general public has access. National Ambient Air Quality Standards (NAAQS) were promulgated by EPA to protect public health and welfare, allowing for an adequate margin of safety. The NAAQS include sulfur dioxide, carbon monoxide, ozone, nitrogen dioxide, fine particulates, and lead. They consist of primary standards, established to protect public health with an adequate safety margin, and secondary standards, established to protect "plants and animals and to prevent economic damage." The six pollutants are deemed criteria pollutants because threshold criteria can be established for determining adverse effects on human health. These pollutants are described below.

- Carbon monoxide (CO) is a colorless, odorless gas produced from the incomplete combustion of gasoline and other fossil fuels. The primary source of CO in urban areas is from motor vehicles. Because this gas disperses quickly, CO concentrations can vary greatly over relatively short distances.
- Fine particulates (PM<sub>10</sub>, PM<sub>2.5</sub>) also are known as inhalable or respirable particulates. Particulate matter is a generic term for a broad range of discrete liquid droplets or solid particles of various sizes. The PM<sub>10</sub> standard covers particles with diameters of 10 micrometers or less, which are the ones most likely to reach the lungs. The PM<sub>2.5</sub> standard covers particles with diameters of 2.5 micrometers or less.
- Lead (Pb) is a heavy metal. Emissions are principally associated with industrial sources and motor vehicles that use gasoline containing lead additives. Most U.S. vehicles produced since 1975, and all produced after 1980, are designed to use unleaded fuel. As a result, ambient concentrations of lead have declined significantly.
- Nitrogen dioxide (NO<sub>2</sub>) is a highly oxidizing, extremely corrosive toxic gas. It is formed by chemical conversion from nitric oxide (NO), which is emitted primarily by industrial furnaces, power plants, and motor vehicles.
- Ozone (O<sub>3</sub>) is a principal component of smog. It is not emitted directly into the air, but is formed through a series of chemical reactions between hydrocarbons and nitrogen oxides in the presence of sunlight.
- Sulfur dioxides (SO<sub>2</sub>) are heavy gases primarily associated with the combustion of sulfurcontaining fuels such as coal and oil. No significant quantities are emitted from mobile sources.

In addition to NAAQS, New York State Ambient Air Quality Standards further regulate concentrations of the criteria pollutants discussed above. The New York State Department of Environmental Conservation (DEC), Air Resources Division, is responsible for air quality monitoring in the state. Monitoring is performed for each of the criteria pollutants to assess compliance. Table G-1 shows the New York and National Ambient Air Quality Standards, as well as monitored values at the monitoring stations closest to the project site.

| Trational and Terr Tork State Amblent An Quanty Standards |  |                                   |                                   |                   |  |  |  |  |  |  |
|---|--|-----------------------------------|-----------------------------------|-------------------|--|--|--|--|--|--|
| Pollutant   | Averaging Period                       | Standard                          | 2012 Value                        | Monitor           |  |  |  |  |  |  |
| Sulfur Diovido  | 1-hour average <sup>e</sup>            | 197 µg/m <sup>3</sup> (75 ppb)    | 64.7 μg/m <sup>3</sup> (24.7 ppb) | Queens Callege 2  |  |  |  |  |  |  |
| Sulfur Dioxide  | 3-hour average                         | 1,300 μg/m <sup>3</sup> (500 ppb) | 44.8 μg/m <sup>3</sup> (17.1 ppb) | Queens College 2  |  |  |  |  |  |  |
| Inhalable<br>Particulates (PM10)                          | 24-hour average                        | 150 µg/m <sup>3</sup>             | 33 µg/m <sup>3</sup>              | Queens College 2  |  |  |  |  |  |  |
| Inhalable   | 3-yr average annual mean               | 12 μg/m <sup>3</sup>              | 9.1 μg/m <sup>3</sup>             |                   |  |  |  |  |  |  |
| Particulates<br>(PM2.5)                                   | Maximum 24-hr. 3-yr. avg. <sup>d</sup> | 35 μg/m <sup>3</sup>              | 24 μg/m <sup>3</sup>              | Queens College    |  |  |  |  |  |  |
| Ozone   | Maximum daily 8-hr avg <sup>.b</sup>   | 0.075 ppm                         | 0.081 ppm                         | Queens College 2  |  |  |  |  |  |  |
| Carbon Monovida   | 8-hour average <sup>a</sup>            | 9 ppm                             | 1.1 ppm                           | Queens Callege 2  |  |  |  |  |  |  |
| Carbon Monoxide   | 1-hour average <sup>a</sup>            | 35 ppm                            | 1.7 ppm                           | Queens Conege 2   |  |  |  |  |  |  |
| Nitro gan Diovida   | 12-month arithmetic mean               | 100 μg/m <sup>3</sup> (53 ppb)    | 32.9 μg/m <sup>3</sup> (17.5 ppb) | Queens College 2  |  |  |  |  |  |  |
| Nitrogen Dioxide  | 1-hr average <sup>e</sup>              | 188 μg/m <sup>3</sup> (100 ppb)   | 120.3 μg/m <sup>3</sup> (64 ppb)  | Queens Conege 2   |  |  |  |  |  |  |
| Lead  | Quarterly mean                         | 0.15 μg/m <sup>3</sup>            | 0.008 µg/m <sup>3</sup>           | Morrisania (2011) |  |  |  |  |  |  |

Table G-1 National and New York State Ambient Air Quality Standards

*Notes:*  $ppm = parts per million; \mu g/m^3 = micrograms per cubic meter.$ 

a. Not to be exceeded more than once a year.

b. Three-year average of the annual fourth highest maximum 8-hour average concentration effective May 27, 2008.

c. Not to be exceeded by the  $98^{th}$  percentile of 24-hour PM<sub>2.5</sub> concentrations in a year (averaged over 3 years).

*d. Three-year average of the 98<sup>th</sup> percentile of the daily maximum 1-hour average, effective January 22, 2010. e. Three-year average of the 99<sup>th</sup> percentile of the daily maximum 1-hour average, final rule signed June 2, 2010.* 

Sources: New York State Department of Environmental Conservation; New York State Ambient Air Quality Development Report, 2011; New York City Department of Environmental Protection, 2012.

#### New York City De Minimis Criteria

For carbon monoxide from mobile sources, the New York City's *de minimis* criteria are used to determine the significance of the incremental increases in CO concentrations that would result from a proposed action. These set the minimum change in an 8-hour average carbon monoxide concentration that would constitute a significant environmental impact. According to these criteria, a significant impact is defined as follows:

- An increase of 0.5 parts per million (ppm) or more in the maximum 8-hour average carbon monoxide concentration at a location if the predicted No-Action 8-hour concentration would be equal to or above 8 ppm; or
- An increase of more than half the difference between the baseline (i.e., No-Action) concentration • and the 8-hour standard if the predicted No-Action concentration would be below 8 ppm.

New York City has also established *de minimis* criteria for PM<sub>2.5</sub> analyses at the microscale level. According to these criteria, a significant impact is defined as follows:

- A predicted increase of half the difference between the background concentration and the 24-hour • standard:
- Predicted annual average PM<sub>2.5</sub> concentration increments greater than 0.1 ug/m<sup>3</sup> at ground level • on a neighborhood scale (i.e., the annual increase in concentration representing the average over an area of approximately one square kilometer, centered on the location where the maximum ground-level impact is predicted for stationary sources, or at a distance from a roadway corridor similar to the minimum distance defined for locating neighborhood scale monitoring stations); or
• Predicted annual average PM<sub>2.5</sub> concentration increments greater than 0.3 µg/m<sup>3</sup> at a discrete or ground-level microscale receptor location for stationary sources.

The de minimis value for 24-hour PM<sub>2.5</sub> was based on the 98<sup>th</sup> percentile concentrations averaged over 3 years (2010-2012). Based on the 2014 *CEQR Technical Manual*, this average is 24 ug/m<sup>3</sup>. It was subtracted from the standard of 35 ug/m<sup>3</sup> and divided by 2. Therefore, the de minimis is 5.5 ug/m<sup>3</sup>. Annual incremental concentrations of PM<sub>2.5</sub> from mobile sources at intersection locations are only assessed on a neighborhood, rather than local, scale.

#### **State Implementation Plan (SIP)**

The Clean Air Act (CAA), as amended in 1990, (1) defines non-attainment areas (NAA) as geographic regions that have been designated as not meeting one or more of the NAAQS; and (2) requires states to submit to the EPA a State Implementation Plan (SIP) delineating how the state plans to achieve air quality that meets the NAAQS, followed by a plan for maintaining attainment status once the area is in attainment. Kings County is part of the New York City CO maintenance area, a marginal NAA for ozone, and an NAA for  $PM_{10}$  and  $PM_{2.5}$ . The State is under mandate to develop SIPs to address ozone, carbon monoxide, and  $PM_{10}$ ; a SIP to address non-attainment of the 2008 ozone NAAQS will be due in 2015. The State is also working with the EPA to formulate standard practices for regional haze and  $PM_{2.5}$ .

Based on recent monitoring data from 2006-2009 and 2007-2011, annual and 24-hour average concentrations of  $PM_{2.5}$  no longer exceed the standard. To reflect the recent  $PM_{2.5}$  24-hour average monitoring data, New York submitted a "Clean Data" request to the EPA. On August 29, 2013, EPA proposed to determine that the area has attained that standard, and on April 18, 2014, the EPA redesignated Bronx, Kings, New York, Queens, and Richmond Counties as  $PM_{2.5}$  maintenance areas. Now that this determination has been finalized, some requirements for related SIP submissions may be suspended.

#### New York State Department of Environmental Conservation Guideline Concentrations

In addition to criteria pollutants, a wide range of non-criteria air pollutants known as toxic air pollutants may be emitted from industrial sources. These pollutants, ranging from high to low toxicity, can be grouped into two categories: carcinogenic air pollutants and non-carcinogenic air pollutants. DEC has established Short-Term Guideline Concentrations (SGCs) and Annual Guideline Concentrations (AGCs) for numerous toxic or carcinogenic non-criteria pollutants for which the EPA has no established standards. They are maximum allowable 1-hour and annual guideline concentrations, respectively, that are considered acceptable concentrations below which there should be no adverse effects on the health of the general public. SGCs are intended to protect the public from acute, short-term effects of pollutant exposures, and AGCs are intended to protect the public from chronic, long-term effects of the exposures. Pollutants with no known acute effects have no SGC criteria but do have AGC criteria. DEC's *DAR-1 AGC/SGC Tables* (October 18, 2010) contains the most recent compilation of the SGC and AGC guideline concentrations.

If the DEC-established AGC is based on a health risk criterion (e.g., a one in a million cancer risk), and the source has Best Available Control Technology (BACT) installed, the New York City Department of Environmental Protection (DEP) may consider the potential impact to be insignificant if the projected ambient concentration is less than ten times the AGC. This is because DEC developed the AGCs for these pollutants by reducing the health risk criterion by a factor of ten as an added safety measure.

No NAAQs, SGCs, or AGCs exist for emissions of pollutants that are grouped together, such as total solid particulates, total hydrocarbons, or total organic solvents. Therefore, as recommended by DEP, all

solid particulates are assumed to be  $PM_{10}$ . For total organic solvents or total hydrocarbons, the SGCs and AGCs for specific compounds should be obtained and used in an analysis.

Based on SGCs and AGCs, the EPA also developed methodologies that can be used to estimate the potential impacts of air toxic pollutants from multiple emission sources. The "Hazard Index Approach" can be used to estimate the potential impacts of non-carcinogenic pollutants. If the combined ratio of estimated pollutant concentrations divided by the respective SGCs or AGCs value for each of the toxic pollutants is found to be less than 1, no significant air quality impacts are predicted to occur. Using these factors, the potential cancer risk associated with each carcinogenic pollutant, as well as the total cancer risk of the releases of all of carcinogenic toxic pollutants combined, can be estimated. If the total incremental cancer risk of all of the carcinogenic toxic pollutants combined is less than one in one million, no significant air quality impacts are predicted to occur due to these pollutant releases.

### **EXISTING CONDITIONS**

As stated previously, Kings County is part of a CO maintenance area and is nonattainment (moderate) for the 8-hour ozone standard and nonattainment for  $PM_{10}$  and  $PM_{2.5}$ . It is in compliance with all other NAAQS.

For SO<sub>2</sub>, NO<sub>x</sub>,  $PM_{10}$ , the background concentrations were obtained from the CEQR Technical Manual as follows:

- $65 \ \mu g/m^3$  for the 1-hour SO<sub>2</sub> concentration,
- $89 \,\mu\text{g/m}^3$  for the 3-hour SO<sub>2</sub> concentration,
- $42 \,\mu g/m^3$  for the annual NO<sub>2</sub> average,
- $120 \text{ ug/m}^3$  for the 1-hour NO<sub>2</sub> average,
- 50  $\mu$ g/m<sup>3</sup> for the 24-hour PM<sub>10</sub> average, and,

No background value is applicable to  $PM_{2.5}$  because the criteria are based on the incremental differences between No Build and Build Conditions.

As a conservative approach for CO, the highest value from the past five years of monitored values is used as the background value. Based on the 2014 *CEQR Technical Manual*, the CO background concentration is 3.4 ppm for the 1-hour average and 1.7 ppm for the 8-hour average, as shown in Table G-2.

 Table G-2

 Monitored CO Concentrations (ppm)

| Monitor                   | 1-Hour Value | 8-Hour Value |
|---------------------------|--------------|--------------|
| Queens College,<br>Queens | 3.4          | 1.7          |

Source: NYC CEQR Technical Manual (2014).

#### THE FUTURE WITHOUT THE PROPOSED ACTION

No nearby development would introduce a large emission source (e.g., solid waste or medical waste incinerator, cogeneration facility, asphalt or concrete plant, or power generating plant); a medical,

chemical, or research laboratory; a manufacturing or processing facility; or an odor-producing facility in the vicinity of the project site.

### THE FUTURE WITH THE PROPOSED ACTION

#### **Mobile Source Emissions**

#### Parking Garage

The proposed project would include an accessory parking garage with an entrance on 54<sup>th</sup> Street and 151 parking spaces in up to three sub-cellar levels, occupying up to 35,530 square feet. Table G-3 shows the projected trips into and out of the garage for the AM, midday, and PM peak hours, based on calculations in Section 2.F, Transportation. The number of vehicles entering the garage would be greatest during the AM period (49 vehicles), and the number leaving the garage would be greatest during the PM period (39 vehicles). As a worst case, the analysis is based on a scenario in which 49 vehicles enter and 39 vehicles leave the garage during a single hour.

| Turking Guruge Demunu |             |                  |     |       |  |  |  |  |  |
|-----------------------|-------------|------------------|-----|-------|--|--|--|--|--|
| Location              | Time Doried | 2016 With-Action |     |       |  |  |  |  |  |
| Location              | Time Feriou | In               | Out | Total |  |  |  |  |  |
| G                     | AM          | 49               | 0   | 49    |  |  |  |  |  |
| Garage                | MD          | 37               | 9   | 46    |  |  |  |  |  |
| entrance/exit         | PM          | 28               | 39  | 67    |  |  |  |  |  |
| Worst C               | ase         | 49               | 39  | 88    |  |  |  |  |  |

Table G-3 Parking Garage Demand

Source: Stantec Consulting Services Inc., October 2014

The parking analysis was based on the guidelines provided in the *CEQR Manual Technical Appendices* for parking lots. Per guidance from DEP, a persistence factor of 0.70 was used to convert 1-hour CO values to 8-hour CO values. The EPA's MOVES2010b emissions model was used to obtain emission factors for entering and exiting vehicles as well as idling vehicles. Exiting vehicles were assumed to idle for one minute before departing, and speeds within the parking lot were 5 miles per hour. As indicated previously, the 8-hour background value would be 1.7 ppm.

The vent stack was conservatively assumed to be 12 feet directly above ground level at the vehicle entry site on 54<sup>th</sup> Street. Receptor points included the near and far sidewalks and a window directly above the vent. A pedestrian on the near sidewalk would be 7.5 feet away from the garage vent, while a pedestrian standing on the far sidewalk across 54<sup>th</sup> Street would be 53 feet away. The window above the vent was assumed to be 5 feet higher, or 17 feet above ground level. Carbon monoxide emissions from vehicles on 54<sup>th</sup> Street were calculated from the formula in the *CEQR Technical Manual Appendices*.

Table G-4 shows the results. For the 8-hour averaging period, the total CO concentrations would be 1.9 ppm for the near sidewalk, the far sidewalk, and a window above the vent. Table G-4 also shows the results for  $PM_{2.5}$  concentrations. All values for the two pollutants are within the NAAQS and the NYC *de minimis* criterion. Exhaust from vehicles entering and leaving the garage would therefore not result in a significant adverse air quality impact.

| Stack above 54 <sup>th</sup> Street Entrance |           |                            |              |           |              |             |  |  |  |  |  |
|--|-----------|----------------------------|--------------|-----------|--------------|-------------|--|--|--|--|--|
| CO Concentrations                            | Near Si   | dewalk                     | Far Si       | dewalk    | Window       | v Above     |  |  |  |  |  |
| Distance to Vent (ft.)                       | 7.        | 5                          | 5            | 3         | 0            |             |  |  |  |  |  |
| Vent Height (ft.)                            | 12        | .0                         | 12           | 2.0       | 12.0         |             |  |  |  |  |  |
| Receptor Height (ft.)                        | 6.        | 0                          | 6            | .0        | 17.0         |             |  |  |  |  |  |
| Averaging Period                             | 1-Hour    | 8-Hour                     | 1-Hour       | 8-Hour    | 1-Hour       | 8-Hour      |  |  |  |  |  |
| Garage CO (ppm)                              | 0.3       | 0.2                        | 0.2          | 0.1       | 0.3          | 0.2         |  |  |  |  |  |
| Line Source (ppm)                            | NA        | NA                         | 0.1          | 0.1       | NA           | NA          |  |  |  |  |  |
| Background Value (ppm)                       | 3.4       | 1.7                        | 3.4          | 1.7       | 3.4          | 1.7         |  |  |  |  |  |
| Total Concentration (ppm)                    | 3.7       | 1.9                        | 3.7          | 1.9       | 3.7          | 1.9         |  |  |  |  |  |
| NAAQS, CO (ppm)                              | 35.0      | 9.0                        | 35.0         | 9.0       | 35.0         | 9.0         |  |  |  |  |  |
| Impact                                       | N         | 0                          | N            | lo        | No           |             |  |  |  |  |  |
|  | Stack a   | above 54 <sup>th</sup> Str | reet Entranc | e         |              |             |  |  |  |  |  |
| <b>PM<sub>2.5</sub> Concentrations</b>       | Near Si   | dewalk                     | Far Si       | dewalk    | Window Above |             |  |  |  |  |  |
| Distance to Vent (ft.)                       | 7.        | 5                          | 5            | 3         | 0            |             |  |  |  |  |  |
| Vent Height (ft.)                            | 12        | .0                         | 12           | 2.0       | 12.0         |             |  |  |  |  |  |
| Receptor Height (ft.)                        | 6.        | 0                          | 6            | .0        | 17           | <i>'</i> .0 |  |  |  |  |  |
| Averaging Period                             | 24-Hour   | Annual                     | 24-Hour      | Annual    | 24-Hour      | Annual      |  |  |  |  |  |
| Garage PM <sub>2.5</sub> (ug/m3)             | 0.0000021 | 0.0000004                  | 0.0000012    | 0.0000002 | 0.0000012    | 0.0000002   |  |  |  |  |  |
| Line Source (ug/m <sup>3</sup> )             | NA        | NA                         | 1.8634000    | 0.0900000 | NA           | NA          |  |  |  |  |  |
| Background Value (ug/m <sup>3</sup> )        | NA        | NA                         | NA           | NA        | NA           | NA          |  |  |  |  |  |
| Total Concentration (ug/m <sup>3</sup> )     | 0.0000021 | 0.0000004                  | 1.8634012    | 0.0900002 | 0.0000012    | 0.0000002   |  |  |  |  |  |
| NYC De Minimis (ug/m <sup>3</sup> )          |           |                            |              |           |              |             |  |  |  |  |  |
| Impact                                       | N         | 0                          | N            | lo        | N            | 0           |  |  |  |  |  |
|  |           | +                          |              |           |              |             |  |  |  |  |  |

# Table G-4Pollutant Concentrations from the Garage

Source: Sandstone Environmental Associates, Inc.

# STREET TRAFFIC

#### PRELIMINARY SCREENING

The analysis focused on the six signalized intersections that were analyzed in Section 2.F, Transportation, which are shown in Figure G-1. The projected future No-Action and With-Action condition traffic volumes for these intersections are shown in Table G-5.

Figure G-1 Intersections Analyzed for Air Quality Screening



Source: Sandstone Environmental Associates, Inc.

|  |                      |           | Traffic Volu    | me                   | NYSDOT              |
|--|----------------------|-----------|-----------------|----------------------|---------------------|
| Intersection/Period                                | Intersection<br>Type | No-Action | With-<br>Action | Project<br>Increment | Functional<br>Class |
| AM Period  |                      |           |                 |                      |                     |
| 54th Street and 9th Avenue                         | Signalized           | 677       | 717             | 40                   | 19/19               |
| 55 <sup>th</sup> Street and 9 <sup>th</sup> Avenue | Signalized           | 711       | 739             | 28                   | 19/19               |
| 54th Street and Fort Hamilton Parkway              | Signalized           | 1,218     | 1,230           | 12                   | 19/14               |
| 55th Street and Fort Hamilton Parkway              | Signalized           | 1,261     | 1.295           | 34                   | 19/14               |
| 56th Street and Fort Hamilton Parkway              | Signalized           | 1,265     | 1.282           | 17                   | 19/14               |
| Midday Period                                      |                      |           |                 |                      |                     |
| 54 <sup>th</sup> Street and 9 <sup>th</sup> Avenue | Signalized           | 660       | 717             | 57                   | 19/19               |
| 55 <sup>th</sup> Street and 9 <sup>th</sup> Avenue | Signalized           | 674       | 719             | 45                   | 19/19               |
| 54th Street and Fort Hamilton Parkway              | Signalized           | 1,089     | 1,122           | 33                   | 19/14               |
| 55th Street and Fort Hamilton Parkway              | Signalized           | 1,100     | 1,154           | 54                   | 19/14               |
| 56th Street and Fort Hamilton Parkway              | Signalized           | 1,108     | 1,139           | 31                   | 19/14               |
| PM Period  |                      |           |                 |                      |                     |
| 54th Street and 9th Avenue                         | Signalized           | 707       | 776             | 69                   | 19/19               |
| 55th Street and 9th Avenue                         | Signalized           | 702       | 763             | 61                   | 19/19               |
| 54th Street and Fort Hamilton Parkway              | Signalized           | 1,346     | 1,414           | 73                   | 19/14               |
| 55th Street and Fort Hamilton Parkway              | Signalized           | 1,331     | 1,417           | 86                   | 19/14               |
| 56th Street and Fort Hamilton Parkway              | Signalized           | 1,401     | 1,452           | 51                   | 19/14               |

 Table G-5

 Future No-Action and With-Action Condition Traffic Volumes

Notes: 14= urban principal arterial; 19= local street; NA=functional class not available Source: Stantec Consulting Services Inc., October 2013

**CO screen**. Localized increases in CO levels may result from increased vehicular traffic volumes and changed traffic patterns in the study area as a consequence of the Proposed Action. The mobile source analysis outlined in the *CEQR Technical Manual* considers actions that add new vehicles to roadways or change traffic patterns, either of which may have significant adverse air quality impacts. The primary pollutant of concern is carbon monoxide. For this area of the city, the threshold volume for modeling CO concentrations using MOVES2010b and CAL3QHC is a With-Action-induced increment of 170 vehicles during a peak hour.

The intersection that would experience the largest project-generated traffic volumes is 55<sup>th</sup> Street and Fort Hamilton Parkway. It would experience an increment of 85 vehicles for the peak PM period, a number that is below the 170-vehicle CO threshold. Therefore, no further analysis of CO is required, and no violations of the NAAQS for CO are anticipated as a result of the Proposed Action.

**PM<sub>2.5</sub> screen.** A PM<sub>2.5</sub> screening analysis was conducted using the spreadsheet referenced on page 17-10 of the *CEQR Technical Manual*. The algorithm uses traffic volume according to vehicular class and determines the equivalent number of heavy-duty diesel vehicles (HDDVs) by type of road. Based on guidance from DEP, the minor leg of an intersection determines its classification as a local road, collector, arterial, or expressway. A more detailed analysis is required if the Proposed Action would meet or exceed any of the following thresholds:

- 12 HDDVs for paved roads with average daily traffic fewer than 5,000 vehicles,
- 19 HDDVs for collector-type roads,
- 23 HDDVs for principal and minor arterial roads, or
- 23 HDDVs for expressways and limited-access roads.

Table G-5 above shows the roadway volumes and increments for the three peak periods and the New York State Department of Traffic (NYSDOT) functional classes of the roadways. All are local roads except for Fort Hamilton Parkway, which is a principal arterial.

The greatest traffic increment at an intersection is 89 vehicles, which occurs at  $54^{\text{th}}$  Street and the garage during the peak PM period. The PM<sub>2.5</sub> screen provided by DEP does not pass for 89 vehicles on a local road. This driveway was therefore modeled as a worst case for mobile source PM<sub>10</sub> and PM<sub>2.5</sub>.

# MODELING WITH CAL3QHCR

The EPA's CAL3QHCR model was used to determine future CO,  $PM_{10}$ , and  $PM_{2.5}$  concentrations from traffic. CAL3QHCR is a Gaussian dispersion model that determines pollutant concentrations at specified receptor points. It accounts for pollutant emissions from both free-flowing vehicles and vehicles idling at signalized intersections. However, following USEPA guidance, the queuing algorithm is not used with the CAL3QHCR model. Therefore, average speeds that included intersection delay were calculated for the roadway links.

Inputs to the model included coordinates for receptors and free-flow approach and departure links, as well as peak hour traffic volumes, speeds, and vehicular emission factors for each link. MOVES2010b was used to obtain pollutant emission factors for each roadway link. MOVES2010b can calculate emission factors for free-flow links in grams/vehicle-mile and for queue links in grams per hour per vehicle. The vehicular mix and speeds used in MOVES2010b were based on field classification counts and speed runs. Inputs pertaining to inspection/maintenance, anti-tampering programs, age distribution, meteorology, etc., were obtained from NYCDEP. The pollutant processes included running exhaust and crankcase running exhaust for all three pollutants, and brake and tire wear for  $PM_{10}$  and  $PM_{2.5}$ .

MOVES2010b was run for January 1<sup>st</sup> for the Build year of 2016 for the peak PM period. Post-processing was carried out to obtain emission factors for use in a Tier I analysis with CAL3QHCR. A Tier I analysis assumes that the traffic is the same for every hour of the day. A more refined Tier II analysis would use traffic volumes and emission factors specific to each hour of the day.

Fugitive dust from re-entrainment of dust was calculated using the formulas from Section 13.2.1-3 of EPA's AP-42 Document. The formulas were based on an average fleet weight that varied according to the vehicular mix for a given roadway and a silt loading factor of 0.4 g/m<sup>2</sup> for local roads, 0.015 g/m<sup>2</sup> for expressways, and 0.1 g/m<sup>2</sup> for arterials, as recommended by the CEQR Technical Manual (2014). The resulting fugitive dust emissions for PM<sub>10</sub> and PM<sub>2.5</sub> were added to the emission factors calculated by MOVES2010b.

As noted above, all links were set up as free-flowing traffic links in CAL3QHCR. Free-flow links were modeled for a distance of 1,000 feet from the intersection in each direction. The mixing zone for free-flow links was equal to the width of the traveled way plus an additional 10 feet (3 meters) on each side of the roadway.

Sensitive receptors are homes, parks, schools, or other land uses where people congregate and which would be sensitive to air quality impacts. For the purposes of the air quality analysis, any point to which

the public has continuous access can be deemed a sensitive receptor site. Numerous receptor points are typically modeled at each intersection to identify the points of maximum potential pollutant concentrations. Receptor points were modeled on the corners of the intersections, and additional points were modeled at 20-foot intervals for a distance of 100 feet along both sides of each intersection leg. Receptors were placed at mid-sidewalk and outside the air quality mixing zone.

CAL3QHCR was run with five years of meteorological data from La Guardia Airport from 2009 through 2013. Each computer run covered wind angles from 0 to 360 degrees and identified the worst-case wind angle for each receptor point. A surface roughness of 175 cm was used in the modeling.

CAL3QHCR provides maximum 24-hour and annual concentrations for fine particulates. The 24-hour results for  $PM_{10}$  were added to background concentrations and compared with the NAAQS. For  $PM_{2.5}$ , 24-hour and annual impacts were determined from the differences between the modeled No Action and With-Action concentrations. The differences were compared with the NYCDEP de minimis for criteria

Table G-6 and G-7 shows the results of the modeling. For  $PM_{10}$  under No Action conditions, the worstcase receptor point was at Receptor 101 which is south of the eastbound link and 92 feet east of the intersection of 54th Street and the garage exit of the proposed building. The modeled concentration was equivalent to 5.0 ug/m<sup>3</sup>, and the total concentration with background would be 55.0 ug/m<sup>3</sup>. This total concentration of  $PM_{10}$  is below the NAAQS of 150 ug/m<sup>3</sup>. Under Action conditions, the worst-case receptor point was at Receptor 96 which is also south of the eastbound link and 62 feet east of the intersection of 54th Street and the garage exit of the proposed building . The modeled concentration was equivalent to 6.8 ug/m<sup>3</sup>, and the total concentration with background would be 56.8 ug/m<sup>3</sup>. This total concentration of  $PM_{10}$  is below the NAAQS of 150 ug/m<sup>3</sup>.

For PM<sub>2.5</sub>, under the No Action conditions, the highest modeled value was 1.3 ug/m<sup>3</sup> at Receptor 101 for the 24-hour period and 0.03 ug/m<sup>3</sup> at Receptor 1 for the Annual period. Receptor 1 is located 370 feet north of the intersection of 54<sup>th</sup> Street and the garage entrance. Under the With-Action conditions, the highest modeled value was 1.8 ug/m<sup>3</sup> for the 24-hour period and 0.04 ug/m<sup>3</sup> for the Annual period. The receptors with the highest concentrations are the same as for No Action conditions. Therefore, the highest incremental concentration of PM<sub>2.5</sub> would be equivalent to 0.5 for the 24-hour period, which is below the de minimis of 5.5 ug/m<sup>3</sup> and 0.01 for the Annual period, which is below the de minimis of 0.1 ug/m<sup>3</sup>. Therefore, no impacts from PM<sub>10</sub> or PM<sub>2.5</sub> due to mobile sources are projected.

 Table G-6

 Mobile Source Air Quality Analysis for PM<sub>10</sub>, No Action and With-Action Condition

|                         | Modeled    |            |            |                      |
|-------------------------|------------|------------|------------|----------------------|
| <b>PM</b> <sub>10</sub> | Value      | Background | Total      | NAAQS                |
| 24-hour                 | $(ug/m^3)$ | $(ug/m^3)$ | $(ug/m^3)$ | (ug/m <sup>3</sup> ) |
|                         |            | No Action  |            |                      |
| 2009                    | 4.5        |            | 54.5       |                      |
| 2010                    | 5.0        | 50.0       | 55.0       |                      |
| 2011                    | 4.6        |            | 54.6       | 150                  |
| 2012                    | 4.4        |            | 54.4       |                      |
| 2013                    | 4.5        |            | 54.5       |                      |
|                         | -          | Action     |            |                      |
| 2009                    | 6.1        |            | 56.1       |                      |
| 2010                    | 6.8        | 50.0       | 56.8       |                      |
| 2011                    | 6.2        |            | 56.2       | 150                  |
| 2012                    | 6.1        |            | 56.1       |                      |
| 2013                    | 6.2        |            | 56.2       |                      |

Note: Numbers in bold type are highest.

Source: Sandstone Environmental Associates, Inc.

 Table G-7

 Mobile Source Air Quality Analysis for PM<sub>2.5</sub>, No Action and With-Action Conditions

| Pollutant                  | Time<br>Period | No Action<br>Concentration<br>(ug/m3) | With Action<br>Concentration<br>(ug/m3) | Increment |
|----------------------------|----------------|---------------------------------------|---|-----------|
| 2009                       | 24-Hour        | 1.2                                   | 1.6                                     | 0.4       |
| 2009                       | Annual         | 0.03                                  | 0.04                                    | 0.01      |
| 2010                       | 24-Hour        | 1.3                                   | 1.8                                     | 0.5       |
| 2010                       | Annual         | 0.03                                  | 0.04                                    | 0.01      |
| 2011                       | 24-Hour        | 1.2                                   | 1.6                                     | 0.4       |
| 2011                       | Annual         | 0.03                                  | 0.04                                    | 0.01      |
| 2012                       | 24-Hour        | 1.2                                   | 1.6                                     | 0.5       |
| 2012                       | Annual         | 0.03                                  | 0.04                                    | 0.01      |
| 2013                       | 24-Hour        | 1.2                                   | 1.7                                     | 0.5       |
| 2013                       | Annual         | 0.03                                  | 0.04                                    | 0.01      |
| PM <sub>2.5b</sub> Interim | 24-Hour        |                                       | 5.5                                     |           |
| Guidance                   | Annual         |                                       | >0.1                                    |           |

Source: Sandstone Environmental Associates, Inc.

In summary, the Proposed Action would not have a significant adverse air quality impact as a result of mobile source emissions.

#### **Stationary Source Emissions**

#### Heating, Ventilation, and Air Conditioning (HVAC) Emissions from the Proposed Project

An action can result in stationary source air quality impacts by introducing a new stationary source of pollutants that can adversely affect nearby sensitive receptors or by introducing a new sensitive receptor (such as a school, medical facility, or residential building) near existing stationary sources of pollutants. A building's HVAC systems constitute such a stationary source, producing exhaust that vents from a rooftop stack. Air quality impacts from HVAC major and large sources are unlikely at distances of 1,000 feet from the rezoning boundaries.

#### Effect of the Proposed Project's HVAC Emissions

Under the With-Action condition, the boiler stack for the proposed six-story building would be approximately the same height as the monastery tower at 5324 Fort Hamilton Parkway. As a worst-case analysis, the distance between the two lot lines is approximately 60 feet. A screening analysis was carried out using Figure 17-8 (NO<sub>2</sub> Boiler Screen for Commercial and Non-Residential - Natural Gas) from the *CEQR Technical Manual Appendices*. The size of the development is plotted against the distance in feet to the edge of the receptor building. Figure 17-8 is applicable to buildings where the boiler stack is at least 30 feet from the nearest building of similar or greater height. If the distance is less than 30 feet, the analysis must be carried out using AERMOD modeling. If the plotted point is on or above the applicable curve, the potential for a significant air quality impact exists, and further analysis is required using AERSCREEN or AERMOD modeling. Based on this screening analysis, the proposed action would screen out for impacts. Thus, further analysis using AERMOD is not required.

The analysis determined the site would require an (E) designation that would specify the type of fuel to be used. The proposed (E) designation for the project site with respect to HVAC systems is presented below. The (E) designation is based on the proposed site plan, as shown in Figure G-5. Any changes to the height or configuration of the building may necessitate revisions to the (E) designations.

**Block 5673, Lots 42 and 50:** Any new residential and/or commercial development on the abovereferenced properties must use natural gas for HVAC systems to avoid any potential significant adverse air quality impacts.

With (E) designation in place, the potential impacts from the project site building's heating systems would not exceed the applicable NAAQS or *de minimis* criteria and would therefore not have potential significant adverse environmental impacts on air quality.



Note: Numbers indicate locations of buildings in Table G-7 Source: Sandstone Environmental Associates. Inc.

# Air Toxics

Potential adverse effects on the proposed new development from existing industrial emissions are a source of concern. According to the *CEQR Technical Manual*, existing facilities with the potential to cause adverse air quality impacts are those that would require permitting under City, State, or federal regulations. The Manual lists the following types of uses as sources of concern:

- A large emission source (e.g., solid waste or medical waste incinerator, cogeneration facility, asphalt or concrete plant, or power generating plant) within 1,000 feet;
- a medical, chemical, or research laboratory nearby;
- a manufacturing or processing facility within 400 feet; and
- an odor-producing facility within 1,000 feet.

To identify facilities in the categories listed above, a manufacturing survey was done, which included online searches of DEC's Air Permit Facilities Registry and the EPA's Facility Registry System for permitted facilities, data provided by the New York City Department of Buildings, New York City's Open Accessible Space Information System Cooperative (OASIS) data base, telephone directory listings, available aerial photos provided by Google and Bing, internet websites, DEC's DAR-1, and a search for DEP Bureau of Air Resources permits. No large industrial emission sources, laboratories, or odorproducing facilities were identified within 1,000 feet of the proposed rezoning boundaries.

Based on the online survey and the OASIS data base, a list of industrial and commercial sites was submitted to DEP for a permit search. DEP identified a total of nine permits for boilers (previously evaluated) or industrial operations. Onlyone operational permit was listed as being active: N & C Cleaners at 5323 Fort Hamilton Parkway. In compliance with current legislation, the equipment used is a totally enclosed cleaning machine with a closed loop system. No permit was found for Annie Cleaners at 5420 Fort Hamilton Parkway, although a cancelled permit was found for a previous tenant at this address: Trans-Lux Cleaners. As is shown Table G-8, these are the only two nearby facilities that are a potential source of concern for air toxics emissions. To ensure that no adverse impacts would occur to the project site, a generic analysis for tetrachloroethylene using the Industrial Source Screen from the 2014 CEQR Technical Manual was carried out. The results showed that the two facilities would not exceed the NYSDEC SGC or AGC concentrations. For the one-hour averaging period, N&C Cleaners, which is 121 feet from the proposed action, would have an estimated concentration of 28.0 ug/m<sup>3</sup> at the site, and Annie Cleaners, which is 58 feet away, would generate an estimated concentration of 293.2 ug/m<sup>3</sup> at the site. The potential cumulative concentration of tetrachloroethylene is  $321.2 \text{ ug/m}^3$ , which is below the NYSDEC SGC of 1,000 ug/m<sup>3</sup>. The annual concentrations at the site would be 0.03 ug/m<sup>3</sup> from N&C Cleaners and 0.30 ug/m<sup>3</sup> from Annie cleaners. The cumulative concentration of 0.33 ug/m<sup>3</sup> would be below the NYSDEC AGC of 1.0 ug/m<sup>3</sup>. These two cleaners would therefore not have an adverse impact on the proposed building.

| Block | Lot | Address(es)                                    | Observed Land Use |
|-------|-----|--|-------------------|
| 5667  | 1   | 5323 Fort Hamilton Parkway, Brooklyn,NY 11219  | N&C Cleaners      |
| 5673  | 53  | 5420 Fort Hamilton Parkway, Brooklyn, NY 11219 | Annie Cleaners    |

Table G-8Sites of Interest for Air Toxics

Source: Sandstone Environmental Associates, Inc.

#### CONCLUSION

The Proposed Action would not result in violations of ambient air quality standards or exceedances of health-related guideline values, and the proposed building would not be subject to unhealthful pollutant

concentrations, air toxics, or odors from nearby emissions sources. The Proposed Action would therefore not result in any significant adverse air quality impacts.

# 2.H NOISE

# INTRODUCTION

The purpose of a noise assessment under CEQR is to determine whether an action would (1) raise noise levels significantly at existing or anticipated sensitive noise receptors (such as residences or schools) or (2) introduce new sensitive uses (such as residential buildings or schools) at locations subject to unacceptably high ambient noise levels.

The assessment is concerned with both mobile and stationary noise sources. Mobile sources are those that move in relation to a noise-sensitive receptor. They include automobiles, buses, trucks, aircraft, and trains. Stationary sources of noise do not move in relation to a noise-sensitive receptor. Typical stationary noise sources of concern include machinery or mechanical equipment associated with industrial and manufacturing operations; building heating, ventilating, and air conditioning (HVAC) systems; speakers for public address and concert systems; playground noise; and spectators at concerts or sporting events. An action could raise noise levels either by introducing new stationary noise sources (such as outdoor playgrounds or rooftop air conditioning compressors) or by increasing mobile source noise (generally by generating additional traffic). Similarly, an action could introduce new residences or other sensitive receptors that would be subject to noise from either stationary or mobile sources.

As discussed in Section 1, Project Description, and Section 2.A, Land Use, Zoning, and Public Policy, the project site will be redeveloped by the 2015 build year whether or not the Proposed Action is taken, and no redevelopment or enlargement of existing uses is anticipated on either of the two other properties that would be affected by the proposed rezoning.

The proposed project would consist of a single six-story building with a roof height of 66 feet and a maximum height of about 76 feet to the top of the mechanical bulkhead. The building's lower floors would cover the entire site, except for a rear yard of approximately 475 square feet at the southwest corner of the property, but the building would be set back 20 feet from 54<sup>th</sup> Street and 17 feet 3 inches from Fort Hamilton Parkway above the fourth floor (44 feet in height). The building would contain 53,604 square feet of above-grade floor area, consisting of a medical center and 5,614 square feet of ground floor commercial space. The proposed project would also include a cellar level (with 9,900 square feet of additional medical center space) and up to three sub-cellar levels in which approximately 151 accessory parking spaces would be provided.

In the future without the Proposed Action, a medical center building with ground floor commercial space and a below-grade garage would also be built, but the development would follow the R5/C1-3 rather than R6/C1-3 zoning regulations. The new building would have the same footprint as the proposed project, but the building would be three stories in height (about 33 feet to the roof, plus an additional 11 feet of height for the mechanical bulkhead). The building would be set back 30 feet from 54<sup>th</sup> Street and 27 feet one inch from Fort Hamilton Parkway above the second floor (22 feet in height). The building would contain 22,879 square feet of above-grade floor area, consisting of a medical center and 5,614 square feet of ground floor commercial space. The building would also include a cellar level (with 9,900 square feet of additional medical center space) and up to two additional sub-cellar levels in which approximately 82 accessory parking spaces would be provided.

# PRINCIPAL CONCLUSIONS

Because the proposed project would consist of a medical center and ground floor retail space, and because all rooftop mechanical equipment, including air conditioner compressors, would be enclosed and would comply with New York City Noise Code requirements, the Proposed Action would not introduce a substantial new stationary noise source. The proposed project would generate additional vehicular traffic,

which would raise ambient noise levels slightly; however, because these increases would be less than the 3 dBA threshold established by the *CEQR Technical Manual*, the Proposed Action would not cause a significant adverse noise impact as a result of increasing ambient noise levels. Because the Action condition noise levels would not exceed the Marginally Acceptable levels, the Proposed Action would not cause a significant adverse noise impact by introducing a new sensitive receptor at a location subject to unacceptably high ambient noise levels. The minimum required attenuation to ensure acceptable indoor noise levels would be 28 dBA, and the proposed project would provide at least that level of attenuation. For these reasons, the Proposed Action would not cause a significant adverse noise impact.

# DETERMINING WHETHER A NOISE ASSESSMENT IS REQUIRED

According to the *CEQR Technical Manual*, a noise impact assessment is required if a project would (1) generate any mobile or stationary sources of noise or (2) introduce new sensitive noise receptors in an area with existing high ambient noise levels. The proposed project would introduce new uses (a medical center and retail stores) on a now vacant site that would generate additional automobile traffic. Although these uses would be introduced whether or not the Proposed Action is taken, the medical center would be larger, and therefore could be expected to generate more traffic, under Action rather than no-Action conditions. The new uses would also constitute new sensitive receptors. A noise impact assessment has therefore been performed to determine both (1) to determine whether the project would generate sufficient noise to cause a significant adverse impact to existing sensitive receptors or (2) be located in an area characterized by existing high ambient noise levels and, if so, to determine the amount of noise attenuation that would have to be incorporated into the project to prevent a significant adverse impact.

Unlike playgrounds, truck loading docks, loudspeaker systems, car washes, stationary diesel engines, or similar uses, a medical center and enclosed retail spaces are not substantial stationary noise sources. All rooftop mechanical equipment, including air conditioner compressors, would be enclosed and would comply with New York City Noise Code requirements, which limit noise levels generated by such equipment to 65 decibels (dBA) during the daytime (7AM to 10 PM) and 55 dBA during the nighttime. The Proposed Action would therefore not have the potential to cause a significant adverse stationary source noise impact. The assessment therefore concentrates on existing and anticipated ambient noise levels and projection of the anticipated increase in noise levels as a result of project-generated traffic.

#### NOISE FUNDAMENTALS

Noise is measured in sound pressure level (SPL), which is converted to a decibel scale. The decibel is a relative measure of the sound level pressure with respect to a standardized reference quantity. Decibels on the A-weighted scale are termed "dBA." The A-weighted scale is used for evaluating the effects of noise in the environment because it most closely approximates the response of the human ear. On this scale, the threshold of discomfort is 120 dB, and the threshold of pain is about 140. Table H-1 shows the range of noise levels for a variety of indoor and outdoor noise levels.

|                         |                          | Typical So   | Relative   |                                   |
|-------------------------|--------------------------|--|--|-----------------------------------|
| Noise<br>Level<br>(dBA) | Subjective<br>Impression | Outdoor  | Indoor   | Loudness<br>(Human<br>Response)   |
| 120-130                 | Uncomfortably Loud       | Air raid siren at 50 feet (threshold of pain)  | Oxygen torch   | 32 times as loud                  |
| 110-120                 | Uncomfortably Loud       | Turbo-fan aircraft at take-off power<br>at 200 feet  | Riveting machine<br>Rock band  | 16 times as loud                  |
| 100-110                 | Uncomfortably Loud       | Jackhammer at 3 feet   |  | 8 times as loud                   |
| 90-100                  | Very Loud                | Gas lawn mower at 3 feet<br>Subway train at 30 feet<br>Train whistle at crossing<br>Wood chipper shredding trees<br>Chain saw cutting trees at 10 feet | Newspaper press  | 4 times as loud                   |
| 80-90                   | Very Loud                | Passing freight train at 30 feet<br>Steamroller at 30 feet<br>Leaf blower at 5 feet<br>Power lawn mower at 5 feet                                      | Food blender<br>Milling machine<br>Garbage disposal<br>Crowd noise at sports event                 | 2 times as loud                   |
| 70-80                   | Moderately Loud          | NJ Turnpike at 50 feet<br>Truck idling at 30 feet<br>Traffic in downtown urban area  | Loud stereo<br>Vacuum cleaner<br>Food blender  | Reference<br>loudness<br>(70 dBA) |
| 60-70                   | Moderately Loud          | Residential air conditioner at 100<br>feet<br>Gas lawn mower at 100 feet<br>Waves breaking on beach at 65 feet   | Cash register<br>Dishwasher<br>Theater lobby<br>Normal speech at 3 feet                            | 2 as loud                         |
| 50-60                   | Quiet                    | Large transformers at 100 feet<br>Traffic in suburban area   | Living room with TV on<br>Classroom<br>Business office<br>Dehumidifier<br>Normal speech at 10 feet | 1/4 as loud                       |
| 40-50                   | Quiet                    | Bird calls, Trees rustling, Crickets,<br>Water flowing in brook  | Folding clothes<br>Using computer  | 1/8 as loud                       |
| 30-40                   | Very quiet               |  | Walking on carpet<br>Clock ticking in adjacent room  | 1/16 as loud                      |
| 20-30                   | Very quiet               |  | Bedroom at night   | 1/32 as loud                      |
| 10-20                   | Extremely quiet          |  | Broadcast and recording studio   |                                   |
| 0-10                    | Threshold of hearing     |  |  |                                   |

 Table H-1

 Sound Pressure Level and Loudness of Typical Noises in Indoor and Outdoor Environments

Sources: <u>Noise Assessment Guidelines Technical Background</u>, by Theodore J. Schultz, Bolt Beranek and Newman, Inc., prepared for the US Department of Housing and Urban Development, Office of Research and Technology, Washington, D.C., undated; Sandstone Environmental Associates, Inc.; <u>Highway Noise Fundamentals</u>, prepared by the Federal Highway Administration, US Department of Transportation, September 1980; <u>Handbook of Environmental Acoustics</u>, by James P. Cowan, Van Nostrand Reinhold, 1994. Because the scale is logarithmic, a relative increase of 10 decibels represents a sound pressure level that is 10 times higher. However, humans don't perceive a 10 dBA increase as 10 times or louder; they perceive it as twice as loud. The following is typical of human response to relative changes in noise level:

- 3 dBA change is the threshold of change detectable by the human ear;
- 5 dBA change is readily noticeable; and
- 10 dBA increase is perceived as a doubling of noise level.

The sound pressure level (SPL) that humans experience typically varies from moment to moment. Therefore, a variety of descriptors are used to evaluate environmental noise levels over time. Some typical descriptors are defined below:

- L<sub>eq</sub> is the continuous equivalent sound level. The sound energy from the fluctuating sound pressure levels is averaged over time to create a single number to describe the mean energy or intensity level. High noise levels during a monitoring period will have greater effect on the L<sub>eq</sub> than low noise levels. The L<sub>eq</sub> has an advantage over other descriptors because L<sub>eq</sub> values from different noise sources can be added and subtracted to determine cumulative noise levels.
- 1.
- L<sub>max</sub> is the highest SPL measured during a given period of time. It is useful in evaluating L<sub>eq</sub>s for time periods that have an especially wide range of noise levels.
- L<sub>10</sub> is the SPL exceeded 10% of the time. Similar descriptors are the L<sub>50</sub>, L<sub>01</sub>, and L<sub>90</sub>.
- 2.
- L<sub>dn</sub> is the day-night equivalent sound level. It is similar to a 24-hour L<sub>eq</sub>, but with 10 dBA added to SPL measurements between 10 pm and 7 am to reflect the greater intrusiveness of noise experienced during these hours. L<sub>dn</sub> is also termed DNL.

Although the SPL heard in the environment typically is composed of many different frequencies, it can be broken down into the numerous individual frequencies. These frequencies are grouped into octave bands. An octave band is a group of frequencies in the interval between a given frequency (such as 350 Hz) and twice that frequency (e.g., 710 Hz). The standard octave bands are each named by their center frequencies. Thus, each octave band will be represented by a single SPL. When the representative SPLs from the individual octave bands are added together, they are weighted so that the resulting total SPL will represent dBA. Octave bands are used in some noise models because the different components of a noise source will have different frequencies. For example, a truck traveling downhill will have a different set of frequencies than a truck traveling uphill.

For mobile source noise from vehicular traffic, passenger car equivalents (PCEs) are the number of autos that would generate the same noise level as the observed vehicular mix of autos, medium trucks, and heavy trucks. PCEs are useful for comparing the effects of traffic noise on different roadways or for different future scenarios. The *CEQR Technical Manual* uses the following formulas for converting motor vehicles into PCEs:

- auto and light trucks = 1 passenger car;
- medium trucks = 13 passenger cars;
- heavy trucks = 47 passenger cars; and
- buses = 18 passenger cars.

# **METHODOLOGY**

### **Noise Monitoring**

Noise levels were monitored for 20-minute periods during the peak AM (8:00-9:00 a.m.), midday (12:00-1:00 p.m.), and PM (5:00-6:00 p.m.) periods. The noise levels were monitored according to the procedures outlined in the CEOR Technical Manual. The instrument used was a Brüel & Kjær Sound Level Meter Type 2250, an ANSI Type I instrument. It was mounted on a tripod at a height of five feet above the ground. The noise monitor was calibrated before and after use. A wind screen was used during all sound measurements except for calibration. All measurement procedures conformed to the requirements of ANSI Standard S1.13-1971 (R1976). Traffic classification counts were taken concurrently with the noise measurements.

Noise monitoring was performed at new locations adjacent to the project site, one along Fort Hamilton Parkway (Site 1) and the other along 54<sup>th</sup> Street (Site 2). The two monitoring locations are shown in Figure H-1.



**Figure H-1 Noise Monitoring Locations** 

Field measurement sites.

Source: Google Earth.

# **Modeling of Future Noise Levels**

To project future no-action condition noise levels at the monitoring locations, proportional modeling techniques, as described in the CEQR Technical Manual, were used to determine anticipated incremental changes in noise levels resulting from the expected increases in traffic volumes. This technique was also used to project the differences in noise levels between the future no-action and action conditions that would result from the changes in traffic volumes caused by the proposed project's anticipated trip generation. The change in future noise levels is calculated using the following equation:

 $FNL = ENL + 10 \times log_{10} (FPCE/EPCE),$ 

where:

FNL = Future Noise Level ENL = Existing Noise Level FPCE = Future PCEs EPCE = Existing PCEs

Because sound levels use a logarithmic scale, this model proportions logarithmically with traffic change ratios. For example, at a location where traffic is the dominant noise source, if the existing traffic volume on a street is 100 PCEs and the future traffic volume would increase to 150 PCEs, the noise level would increase by 1.8 dBA. If the future traffic would instead double to 200 PCEs, the noise level would increase by 3.0 dBA.

#### **Impact Determination and Noise Standards and Guidelines**

In 1983 the New York City Department of Environmental Protection (DEP) adopted the City Environmental Protection Order-City Environmental Quality Review (CEQR) noise standards for exterior noise levels. These standards are the basis for classifying noise exposure into four categories based on the  $L_{10}$ : Acceptable, Marginally Acceptable, Marginally Unacceptable, and Clearly Unacceptable, as shown in Table H-2.

 Table H-2

 CEQR Noise Exposure Guidelines for use in City Environmental Impact Review<sup>1</sup>

| Receptor Type   | Time<br>Period   | Acceptable<br>General<br>External<br>Exposure | Airport <sup>3</sup><br>Exposure | Marginally<br>Acceptable<br>General External<br>Exposure | Airport <sup>3</sup><br>Exposure | Marginally<br>Unacceptable<br>General<br>External<br>Exposure | Airport <sup>3</sup><br>Exposure | Clearly<br>Unacceptable<br>General<br>External<br>Exposure | Airport <sup>3</sup><br>Exposure |
|---|------------------|---|----------------------------------|--|----------------------------------|---|----------------------------------|--|----------------------------------|
| 1.Outdoor area<br>requiring serenity and<br>quiet <sup>2</sup>  |                  | $L_{10}\!\le\!55~dBA$                         |                                  |  |                                  |   |                                  |  |                                  |
| 2. Hospital, Nursing<br>Home  |                  | $L_{10}{\leq}55\;dBA$                         |                                  | $55 < L_{10} \le 65 \ dBA$                               |                                  | $\begin{array}{c} 65 < L_{10} \leq 80 \\ dBA \end{array}$     |                                  | $L_{10} > 80 \; dBA$                                       |                                  |
| 3. Residence,   | 7 am to<br>10 pm | $L_{10}{\leq}65 dBA$                          |                                  | $65 < L_{10} \leq 70 dBA$                                |                                  | $\begin{array}{c} 70 < L_{10} \leq 80 \\ dBA \end{array}$     |                                  | $L_{10} > 80 \; dBA$                                       |                                  |
| motel   | 10 pm<br>to 7 am | $L_{10}{\leq}55dBA$                           | 1                                | $55 < L_{10} \leq 70 dBA$                                | 1                                | $\begin{array}{c} 70 < L_{10} \leq 80 \\ dBA \end{array}$     | 1                                | $L_{10} > 80 \; dBA$                                       | A                                |
| 4. School, museum,<br>library, court house<br>of worship, transient<br>hotel or motel, public<br>meeting room,<br>auditorium, out-<br>patient public health<br>facility |                  | Same as<br>Residential Day<br>(7 AM-10 PM)    | $L_{dn} \le 60 \ dB/$            | Same as<br>Residential Day<br>(7 AM-10 PM)               | $L_{dn} \le 60 \ dB/$            | Same as<br>Residential Day<br>(7 AM- 10 PM)                   | ${\rm L_{dn}} \le 60~{\rm dB}$   | Same as<br>Residential Day<br>(7 AM –10 PM)                | $L_{dn} \le 75 \ dB/$            |
| 5. Commercial or office   |                  | Same as<br>Residential Day<br>(7 AM-10 PM)    |                                  | Same as<br>Residential Day<br>(7 AM-10 PM)               |                                  | Same as<br>Residential Day<br>(7 AM –10 PM)                   |                                  | Same as<br>Residential Day<br>(7 AM-10 PM)                 |                                  |
| 6. Industrial, public areas only <sup>4</sup>   | Note 4           | Note 4  |                                  | Note 4   |                                  | Note 4  |                                  | Note 4   |                                  |

Notes:

(i) In addition, any new activity shall not increase the ambient noise level by 3 dBA or more;

1 Measurements and projections of noise exposures are to be made at appropriate heights above site boundaries as given by American National Standards Institute (ANSI) Standards; all values are for the worst hour in the time period.

- 2 Tracts of land where serenity and quiet are extraordinarily important and serve an important public need and where the preservation of these qualities is essential for the area to serve its intended purpose. Such areas could include amphitheaters, particular parks or portions of parks or open spaces dedicated or recognized by appropriate local officials for activities requiring special qualities of serenity and quiet. Examples are grounds for ambulatory hospital patients and patients and residents of sanitariums and nursing homes.
- 3 One may use the FAA-approved L<sub>dn</sub> contours supplied by the Port Authority, or the noise contours may be computed from the federally approved INM Computer Model using flight data supplied by the Port Authority of New York and New Jersey.
- 4 External Noise Exposure standards for industrial areas of sounds produced by industrial operations other than operating motor vehicles or other transportation facilities are spelled out in the New York City Zoning Resolution, Sections 42-20 and 42-21. The referenced standards apply to M1, M2, and M3 manufacturing districts and to adjoining residence districts (performance standards are octave band standards).

Source: New York City Department of Environmental Protection (adopted policy 1983).

For sensitive receptors introduced by the Proposed Action, Action condition noise levels in dB(A)  $L_{10(1)}$  are compared with the values contained in the Noise Exposure Guidelines. If these noise levels would exceed the Marginally Acceptable levels, a significant impact would occur unless the building design provides a composite building attenuation that would be sufficient to reduce these levels to an acceptable interior noise level. These values are shown in Table H-3.

# Table H-3 Required Attenuation Values to Achieve Acceptable Interior Noise Levels

|                                  |                       | Clearly Unacceptable |                       |                       |                             |
|----------------------------------|-----------------------|----------------------|-----------------------|-----------------------|-----------------------------|
| Noise level with proposed action | $70 < L_{10} \leq 73$ | $73 < L_{10} \le 76$ | $76 < L_{10} \leq 78$ | $78 < L_{10} \leq 80$ | $80 < L_{10}$               |
| Attenuation <sup>A</sup>         | (I)<br>28 dBA         | (II)<br>31 dBA       | (III)<br>33 dBA       | (IV)<br>35 dBA        | $36 + (L_{10} - 80)^B  dBA$ |

Note: <sup>A</sup>The above composite window-wall attenuation values are for residential dwellings and community facility development. Commercial office spaces and meeting rooms would be 5 dBA less in each category. All the above categories require a closed window situation and hence alternate means of ventilation.

<sup>B</sup>Required attenuation values increase by 1 dBA increments for L<sub>10</sub> values greater than 80 dBA.

Source: New York City Department of Environmental Protection, 2012.

For noise increases caused by project-induced traffic, or for stationary noise sources introduced by the Proposed Action, if the no-Action levels are less than 60 dB(A)  $L_{eq(1)}$  and the analysis period is not at nighttime, an increase of 5 dB(A)  $L_{eq(1)}$  or more in the future with the project would be considered a significant impact. In order for the 5 dB(A) threshold to be valid, the resultant Action condition noise level would have to be equal to or less than 65 dB(A). If the no-Action noise level is equal to or greater than 62 dB(A)  $L_{eq(1)}$ , or if the analysis period is a nighttime analysis period, the incremental significant impact threshold would be 3 dB(A) Leq(1). If the no-Action noise level is 61dB(A)  $L_{eq(1)}$ , the maximum incremental increase would be 4 dB(A), since an increase higher than this would result in a noise level higher than the 65 dB(A)  $L_{eq(1)}$  threshold and be considered significant.

# **EXISTING CONDITIONS**

Noise monitoring was carried out on Thursday, May 26, 2011. During the monitoring periods, the temperatures ranged from the high 60s (°F) in the morning to the low 70s during the peak PM period, and the conditions were clear with light haze. Local traffic along Fort Hamilton Parkway and 54<sup>th</sup> Street were the primary sources of noise. Other sources of noise included aircraft flyovers and pedestrian voices.

Table H-4 shows the noise monitoring results, and Table H-5 summarizes the traffic for the equivalent one-hour period. Traffic classification counts were carried out separately for total vehicle movements on Fort Hamilton Parkway and 54<sup>th</sup> Street. The highest observed  $L_{10}$  at Site 1 is 68.9 dBA, which occurred during the peak AM period. Since this is lower than the  $L_{eq}$  of 69.5 dBA, the  $L_{10}$  was adjusted to show a noise level 3 dBA higher than the  $L_{eq}$ , or 72.5 dBA. The highest observed  $L_{10}$  for Site 2 is 64.6 dBA, which occurred during the peak AM period, but the  $L_{10}$  is lower than the  $L_{eq}$  for the peak PM period. Adjusting this by adding 3 dBA to the  $L_{eq}$  results in an  $L_{10}$  of 67.6 dBA as the highest  $L_{10}$  for that site. Based on the observed  $L_{10}$  noise levels, Site 1 would be in the Marginally Unacceptable I CEQR category while Site 2 would be in the Acceptable category.

# Table H-4Monitored Noise Levels (dBA)

| ID | Site                                | Time of Day          | Leq  | L10   | Lmin | L <sub>max</sub> | Lo1  | L90  |
|----|-------------------------------------|----------------------|------|-------|------|------------------|------|------|
|    | 5402 Ft. Hamilton                   | 8:15 a.m 8:35 a.m.   | 69.5 | *72.5 | 52.4 | 93.9             | 78.5 | 55.4 |
| 1  | 1 Pkwy, (facing Ft.                 | 12:04 p.m 12:24 p.m. | 65.5 | 67.6  | 50.2 | 81.7             | 76.1 | 53.8 |
|    | Hamilton Pkwy)                      | 5:15p.m 5:35 p.m.    | 65.7 | 68.1  | 51.5 | 81.9             | 76.3 | 53.9 |
|    |                                     | 8:38 a.m 8:58 a.m.   | 62.6 | 64.6  | 52.2 | 77.9             | 68.6 | 55.8 |
| 2  | 5402 Ft. Hamilton                   | 12:27p.m 12:47 p.m.  | 63.8 | 62.9  | 50.1 | 85.8             | 75.0 | 53.5 |
|    | Pkwy, (lacing 54 <sup>th</sup> St.) | 5:36p.m 5:56p.m.     | 64.6 | *67.6 | 49.8 | 86.3             | 75.5 | 54.2 |

Notes: Numbers in bold type are the highest for that period. \*L<sub>10</sub> adjusted to be 3 dBA higher than L<sub>eq</sub>. Source: Sandstone Environmental Associates, Inc.

| ID | Site   | Peak<br>Period | Auto  | Medium<br>Trucks | Heavy<br>Trucks | Buses | Motor-<br>cycles | Total |
|----|--|----------------|-------|------------------|-----------------|-------|------------------|-------|
|    |  | AM             | 1,140 | 15               | 30              | 21    | 0                | 1,206 |
| 1  | 5402 Ft. Hamilton Pkwy,<br>(facing Ft. Hamilton Pkwy)    | MD             | 924   | 24               | 21              | 6     | 0                | 975   |
|    | (  | PM             | 861   | 24               | 24              | 3     | 9                | 921   |
|    |  | AM             | 207   | 0                | 0               | 0     | 0                | 207   |
| 2  | 5402 Ft. Hamilton Pkwy,<br>(facing 54 <sup>th</sup> St.) | MD             | 126   | 0                | 0               | 0     | 0                | 126   |
|    |  | PM             | 171   | 0                | 0               | 0     | 0                | 171   |

| Table H-5                                  |  |  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|--|
| <b>One-Hour Equivalent Traffic Volumes</b> |  |  |  |  |  |  |  |  |  |  |

Source: Sandstone Environmental Associates, Inc.

# FUTURE WITHOUT THE PROPOSED ACTION

In the future without the Proposed Action, in the 2015 build year, the project site would be redeveloped with a three-story medical center building containing ground floor retail space and a below-grade accessory parking garage. The building would have a rooftop height of 33 feet and a total height of 44 feet to the top of the rooftop mechanical bulkhead. The gross rentable area would be 32,779 square feet and the building's maximum total gross floor area would be 52,373 square feet.

The proportionality equation described earlier was used to compare PCEs for projected traffic tabulated under no-Action conditions with existing traffic to determine the incremental increase in noise levels. The resulting noise levels are slightly higher than under existing conditions, with noise levels greatest for the peak AM period. As Table H-6 shows, both Sites 1 and 2, on Fort Hamilton Parkway and on 54<sup>th</sup> Street, would be in the Marginally Acceptable CEQR category.

| ID | Site                  | Peak<br>Period | Leq  | L <sub>10</sub> | Change from<br>Existing (L <sub>10</sub> ) | CEQR Noise<br>Category |  |  |  |  |  |  |
|----|-----------------------|----------------|------|-----------------|--|------------------------|--|--|--|--|--|--|
|    |                       | AM             | 69.6 | 72.6            | 0.1  | M.U.I                  |  |  |  |  |  |  |
| 1  | Fort Hamilton Parkway | MD             | 65.6 | 67.7            | 0.1  | M.A.                   |  |  |  |  |  |  |
|    |                       | PM             | 65.7 | 68.1            | 0.0  | M.A.                   |  |  |  |  |  |  |
|    |                       | AM             | 63.5 | 65.5            | 0.9  | M.A.                   |  |  |  |  |  |  |
| 2  | 54th Street           | MD             | 65.0 | 64.1            | 1.2  | А.                     |  |  |  |  |  |  |
|    |                       | PM             | 64.6 | 67.6            | 0.0  | А.                     |  |  |  |  |  |  |

| Table H-6              |       |
|------------------------|-------|
| No-Action Noise Levels | (dBA) |

A: Acceptable; M.A.: Marginally Acceptable; M.U.I: Marginally Unacceptable I Note: Noise levels in bold type are the highest for that site. Source: Sandstone Environmental Associates, Inc.

# FUTURE WITH THE PROPOSED ACTION

In the future with the Proposed Action, the project site would be redeveloped with a six-story medical center building containing ground floor retail space and a below grade accessory parking garage. The building would have a rooftop height of 66 feet and a total height of 76 feet to the top of the rooftop mechanical bulkhead. The gross rentable area would be 63,504 square feet, and the building's maximum total gross floor area would be 99,034 square feet.

Table H-7 shows the projected future noise levels along Fort Hamilton Parkway and 54<sup>th</sup> Street. Additional traffic due to the Proposed Action would be minimal, and the projected noise levels would be substantially similar to those under the no-Action condition. Therefore, no significant adverse impacts to the surrounding environment would occur. Sites 1 would be under the Marginally Unacceptable (I) CEQR category while Site 2 would be in the Marginally Acceptable CEQR category, as under the no-Action condition.

| D | Site                  | Peak<br>Period | Leq  | L10  | Change from<br>No-Action<br>(L <sub>10</sub> ) | CEQR Noise<br>Category |
|---|-----------------------|----------------|------|------|--|------------------------|
|   |                       | AM             | 69.6 | 72.6 | 0.1  | M.U(I)                 |
| 1 | Fort Hamilton Parkway | MD             | 65.7 | 67.8 | 0.1  | M.A.                   |
|   |                       | PM             | 65.9 | 68.3 | 0.2  | M.A.                   |
|   |                       | AM             | 64.3 | 66.3 | 0.8  | M.A.                   |
| 2 | 54th Street           | MD             | 66.4 | 65.5 | 1.4  | M.A.                   |
|   |                       | PM             | 66.7 | 69.7 | 2.1  | M.A.                   |

Table H-7Action Noise Levels (dBA)

M.A.: Marginally Acceptable; M.U.: Marginally Unacceptable Note: Noise levels in bold type are the loudest for that site. Source: Sandstone Environmental Associates, Inc.

A comparison between Tables P-6 and P-7 shows that the Proposed Action would elevate the  $L_{eq}$  by a maximum of 0.2 dBA (from 65.7 dBA to 65.9 dBA during the peak PM period) at Site 1 and by a maximum of 2.1 dBA (from 64.6 dBA to 66.7 dBA during the peak PM period). Because these increases would be less than the 3 dBA threshold established by the *CEQR Technical Manual*, the Proposed Action would not cause a significant adverse noise impact as a result of increasing ambient noise levels.

As is discussed above under Impact Determination and Noise Standards and Guidelines, if the Action condition noise levels would exceed the Marginally Acceptable levels, a significant impact would occur unless the building design provides a composite building attenuation that would be sufficient to reduce

these levels to an acceptable interior noise level. Because the Action condition noise levels would exceed the Marginally Acceptable levels, the Proposed Action would require 28 dBA of attenuation on all facades of the building.

As is shown in Table H-8, the minimum required attenuation to ensure acceptable indoor noise levels would be 28 dBA. The proposed project would provide at least that level of attenuation.

| Minimum CEQR Attenuation Requirements for the Proposed Development |                        |                                   |                                  |                                    |  |  |  |  |  |  |  |  |
|--|------------------------|-----------------------------------|----------------------------------|------------------------------------|--|--|--|--|--|--|--|--|
| Façade   | Action L <sub>10</sub> | Based on<br>Monitoring<br>Site ID | CEQR Noise<br>Abatement Category | Minimum<br>Required<br>Attenuation |  |  |  |  |  |  |  |  |
| Fort Hamilton Parkway  | 73 dBA                 | 1                                 | Marginally<br>Unacceptable (I)   | 28 dBA                             |  |  |  |  |  |  |  |  |
| 54th Street  | 70 dBA                 | 2                                 | Marginally<br>Unacceptable I     | 28 dBA                             |  |  |  |  |  |  |  |  |

 Table H-8

 Minimum CEQR Attenuation Requirements for the Proposed Development

Source: Sandstone Environmental Associates, Inc.

Window/wall attenuation can be described in terms of sound transmission class (STC), transmission loss (TL), and outdoor-indoor transmission class (OITC). Although these terms are sometimes used interchangeably, they are distinguishable from each other. Transmission loss refers to how many decibels of sound a façade (wall) or façade accessory (window or door) can stop at a given frequency. The TL for a given construction material varies with the individual frequencies of the noise. To simplify the noise attenuation properties of a wall, the STC rating was developed. It is a single number that describes the sound isolation performance of a given material for the range of test frequencies between 125 and 4,000 Hz. These frequencies sufficiently cover the range of human speech. Higher STC values reflect greater efficiencies to block airborne sound. The OITC is similar to the STC, except that it is weighted more towards the lower frequencies associated with aircraft, rail, and truck traffic. It considers frequencies down to 80 Hz. In selecting suitable window material, the final attenuation level depends upon a variety of factors, among which include the type of material selected, the thickness of the panel, and quality of the installation.

The analysis determined the site would require an (E) designation that would specify the interior to exterior to be provided by the windows. The text for the (E) designation is as follows:

"To ensure an acceptable interior noise environment, future residential uses must provide a closed-window condition with a minimum OITC rating of 28 dBA window/wall attenuation to maintain an interior noise level of 45 dBA. To maintain a closed-window condition, an alternate means of ventilation must also be provided. Alternate means of ventilation includes, but is not limited to, air conditioning." For commercial uses, the requirement would be 5 dBA lower, or 23 dBA.

Based on the projected noise levels, these design measures would provide sufficient attenuation to satisfy CEQR requirements. With the specified attenuation measures, the proposed project would not have any significant adverse noise impacts and would comply with all CEQR noise requirements.

#### CONCLUSION

Because the proposed project would consist of a medical center and ground floor retail space, and because all rooftop mechanical equipment, including air conditioner compressors, would be enclosed and would comply with New York City Noise Code requirements, the Proposed Action would not introduce a substantial new stationary noise source. The proposed project would generate additional vehicular traffic,

which would raise ambient noise levels slightly; however, because these increases would be less than the 3 dBA threshold established by the *CEQR Technical Manual*, the Proposed Action would not cause a significant adverse noise impact to existing land uses as a result of increasing ambient noise levels. Although the Action condition noise levels would exceed the Marginally Acceptable levels for a new sensitive receptor at the project site, the Proposed Action would not cause a significant adverse noise impact provided that the windows and walls provide a minimum exterior to interior noise attenuation of 28 dBA. For these reasons, the Proposed Action would not cause a significant adverse noise impact.

# 2.I CONSTRUCTION IMPACTS

# **INTRODUCTION**

Construction impacts, although temporary, can sometimes result in significant adverse impacts. Determination of significance is generally based on the duration and magnitude of the effects. Construction impacts are generally important when construction activity would affect traffic conditions, archaeological resources, the integrity of historic resources, community noise patterns, or air quality conditions.

As discussed in Section 1, Project Description, and Section 2A, Land Use, Zoning, and Public Policy, the project site will be redeveloped by the 2016 build year whether or not the Proposed Action is taken, and no redevelopment or enlargement of existing uses is anticipated on either of the two other properties that would be affected by the proposed rezoning.

The proposed project would consist of a single six-story building with a roof height of 66 feet and a maximum height of about 76 feet to the top of the mechanical bulkhead. The building's lower floors would cover the entire site, except for a rear yard of approximately 475 square feet at the southwest corner of the property, but the building would be set back 20 feet from 54<sup>th</sup> Street and 17 feet 3 inches from Fort Hamilton Parkway above the fourth floor (44 feet in height). The building would contain 53,604 square feet of above-grade floor area, consisting of a medical center and 5,614 square feet of ground floor commercial space. The proposed project would also include a cellar level (with 9,900 square feet of additional medical center space) and up to three sub-cellar levels in which approximately 151 accessory parking spaces would be provided. Each sub-cellar would add an additional eight feet of depth.

In the future without the Proposed Action, a medical center building with ground floor commercial space and a below-grade garage would also be built, but the development would follow the R5/C1-3 rather than R6/C1-3 zoning regulations. The new building would have the same footprint as the proposed project, but the building would be three stories in height (about 33 feet to the roof, plus an additional 11 feet of height for the mechanical bulkhead). The building would be set back 30 feet from 54<sup>th</sup> Street and 27 feet one inch from Fort Hamilton Parkway above the second floor (22 feet in height). The building would contain 22,879 square feet of above-grade floor area, consisting of a medical center and 5,614 square feet of ground floor commercial space. The building would also include a cellar level (with 9,900 square feet of additional medical center space) and up to two additional sub-cellar levels in which approximately 82 accessory parking spaces would be provided.

# PRINCIPAL CONCLUSIONS

The Proposed Action would not cause significant construction impacts. Construction of a new building will occur on the project site whether or not the Proposed Action is taken, and similar construction activities of comparable duration, phasing, and effects would occur under the no-Action and Action scenarios. The Proposed Action would add approximately two months to the construction period, which would not be a significant difference, and in either case the construction period would be less than two years. The Proposed Action would not affect the number of workers or the amount or type of equipment at the site at any time. Although the building's foundation would be eight feet deeper under the Action scenario, excavation and construction techniques would be the same under both scenarios; in neither case would blasting be necessary, and in either case screw pile driving would be used.

#### DETERMINING WHETHER A CONSTRUCTION IMPACT ASSESSMENT IS REQUIRED

The potential for significant adverse construction impacts should be assessed for any action that would or could induce construction.

As is explained above, construction of a new building would occur on the project site whether or not the Proposed Action is taken. Under no-Action conditions, construction activities generally similar to those associated with the proposed project would occur with the construction of a mixed-use building, including a medical center, ground floor retail space, and an underground accessory parking garage, which would comply with the bulk regulations of the existing R5/C1-3 district. The no-Action development would be smaller in scale than the proposed project, with 30,725 fewer square feet of above-grade floor area and with eight feet less of excavation, but the duration, phases, and effects would be comparable to those of the Action scenario. The Proposed Action would add approximately two months to the construction period, which would not be a significant difference, and in either case the construction period would be less than two years. The Proposed Action would not affect the number of workers or the amount or type of equipment at the site at any time. Although the building's foundation would be eight feet deeper under the Action scenario, excavation and construction techniques would be the same under both scenarios; in neither case would blasting be necessary, and in either case screw pile driving would be used.

Under either the no-Action or the Action scenario, all construction activities would be carried out in accordance with applicable building codes and regulations, and all required permits would be obtained. All necessary measures would be implemented to ensure that the New York City Noise Code and the New York City Air Pollution Control Code regulating construction-related dust emissions would be followed. In accordance with the Noise Code and New York City Department of Buildings regulations, construction work would occur Mondays through Fridays beginning at 7 AM and ending by 6 PM, although it is possible that the delivery or installation of certain critical equipment could occur on weekend days or later than 6 PM. Construction staging would occur on the project site, and construction is not expected to adversely affect surrounding land uses. As required by City regulations, sidewalk protection bridges and full height plywood barriers would be installed to protect the public right-of-way. Standard practices would be followed to ensure safe pedestrian and vehicular access to nearby buildings and along affected streets and sidewalks. Precautions, including the underpinning of adjacent buildings, would be taken to prevent damage to those structures. Because the project site has been determined to be not archaeologically or architecturally sensitive, there would be no adverse impact on archaeological or architectural resources.

Under either the no-Action or the Action scenario, the construction may result in temporary disruptions, including noise, dust, and traffic associated with the delivery of materials, the removal of debris, and the arrival and departure of workers. These temporary effects would not constitute significant impacts.

For these reasons, no further analysis is required to determine that the Proposed Action would not have a significant adverse impact as a result of construction activities.

#### CONCLUSION

The Proposed Action would not cause significant construction impacts. Construction of a new building will occur on the project site whether or not the Proposed Action is taken, and similar construction activities of comparable duration, phasing, and effects would occur under the no-Action and Action scenarios. The Proposed Action would add approximately two months to the construction period, which would not be a significant difference, and in either case the construction period would be less than two years. The Proposed Action would not affect the number of workers or the amount or type of equipment at the site at any time. Although the building's foundation would be the same under both scenarios; in neither case

would blasting be necessary, and in either case screw pile driving would be used.

**APPENDICES** 

# APPENDIX 1: ARCHITECTURAL PLANS FOR THE PROPOSED BUILDING

# 5402 FT. HAMILTON PARKWAY BROOKLYN, NEW YORK 11219

|            | , -   |   |                 |            |
|------------|---|---|-----------------|------------|
| LIST C     | F ARCHITECTURAL DRAWN   | VGS   | ISSUED          | REVISED    |
| CPT-1      | LIST OF DRAWINGS & PLOT PL  | AN  | 09 AUG 10       | 22 AUG 12  |
| CPT-2      | SITE PLAN   |   | 12 JUL 10       | 22 AUG 12  |
| CPZ-1      | ZONING CALCULATIONS   |   | 26 JUL 10       | 22 AUG 12  |
| CPZ-2      | EXISTING AND PROPOSED ZON   | NG MAPS   | 03 SEP 09       | 22 AUG 12  |
| CPZ-3      | SITE PLAN OF MAX R6/C1-3  | BUILDING  | 11 MAY 11       | 03 FEB 12  |
| CPZ-4      | SITE PLAN AS-OF-RIGHT MAX   | R5/C1-3 BLDG  | 16 MAY 11       |            |
| CP-2       | CELLAR PLAN   |   | 12 JUL 10       | 16 MAR 11  |
| CP-3       | 1ST FLOOR PLAN  |   | 04 AUG 10       | 22 AUG 12  |
| CP-4       | 2ND FLOOR PLAN  |   | 12 JUL 10       | 16 MAR 11  |
| CP-5       | 3RD FLOOR PLAN  |   | 03 SEP 09       | 16 MAR 11  |
| CP-6       | 4TH FLOOR PLAN  |   | 03 SEP 09       | 16 MAR 11  |
| CP-7       | 5TH FLOOR PLAN  |   | 03 SEP 09       | 16 MAR 11  |
| CP-8       | 6TH FLOOR PLAN  |   | 03 SEP 09       | 16 MAR 11  |
| CP-9       | ROOF PLAN   |   | 03 SEP 09       | 16 MAR 11  |
| CP-10      | PROPOSED BUILDING SECTION   |   | 12 JUL 10       | 22 AUG 12  |
| CP-11      | PROPOSED BUILDING SECTION   |   | 12 JUL 10       | 22 AUG 12  |
| CP-12      | 54TH STREET ELEVATION   |   | 26 JUL 10       | 22 AUG 12  |
| CP-13      | ET HAMILTON PKWY FLEVATION  |   | 03 SFP 09       | 22 AUG 12  |
| CP-14      | SITE PICTURES   |   | 03 SEP 09       |            |
| CP-15      | SITE PICTURES   |   | 0.3 SEP 0.9     |            |
| CP-16      | SITE PICTURES   |   | 0.3 SEP 0.9     |            |
| CP - 17    | SITE PICTURES   |   | 03 SEP 09       |            |
| CP-18      | ELEVATION RENDERINGS  |   | 26 JUL 10       |            |
| CP-19      | ET HAMILTON PKWY/54 STORE   |   | 03 SEP 09       |            |
| CP = 20    | ET HAMILTON PKWY RENDERING  |   | 09 AUG 10       |            |
| CP-21      | 54 STREET RENDERING   |   | 09 AUG 10       |            |
| CP-22      | SUBCELLAR 1 PLAN  |   | 12 JUL 10       | 06 FEB 12  |
| CP_23      | SUBCELLAR 2 PLAN  |   | 12 JUL 10       | 16 MAR 11  |
| CP_24      | SUBCELLAR 3 PLAN  |   | 12 UL 10        | 16 MAR 11  |
| 01 - 24    | SOBCELLAR STEAM   |   | TZ JUL TU       | TO MAR II  |
| LOCAT      | ON PLAN   |   |                 |            |
| lo         | 5666 Sec  | /   |                 |            |
| 2          | %///\°^ \   | BLOCK:  | 5673            |            |
|            | //**////*** **///   | 8. LOI:   | 42 + 50         |            |
| 2          | BB73  | MAP:  | 22a + 22        | 20         |
|            | Stall WAT   | ZONE  | R6 / C1-        | - 3        |
| ~          | 3 SA PART   | USE GF  | ROUPE 4A, 6A, 6 | SC, OR 6E  |
| 1          | the way with the  | 、 ·   |                 |            |
| 4          | BBO FL HAM 5674   | $? \oplus$  |                 |            |
| ROJECT     |   |   | PROJEC          | T NO. 1470 |
| 5402 FT H  |   | CHITECT, P. C.  | DATE            | 09 AUG 10  |
| BROOKLY    | N, NY 11219   | ctwe, Preservation and Interiors since 1984<br>Street, Suite 1600 | DRAWN           | BY AB      |
| RAWING TIT |   | k, N.Y. 10005-4301<br>2-768-4101                                  | SHEFT N         | N.T.S.     |
| PLOT PLA   | RAVVINGS & Fax 21.<br>N E-mail  | 2-768-4473<br>nlo@arpad baksa architect.com                       | ONCE            | CPT-1      |
|            | Laboration of the second se | rnan-dakka-arrititert com   |                 |            |



| TOTAL (COMMERCIAL)<br>TOTAL (EXC. GELLAR/SUBCELLAR)<br>TOTAL (INC. GELLAR/SUBCELLAR)<br>50,669 SF PROPOSED < 53,604 SF PERMITTED | 4th FLOOR (COM, FACILITY) 9,734 SF<br>5th FLOOR (COM, FACILITY) 6,354 SF<br>6th FLOOR (COM, FACILITY) 6,354 SF | 3rd FLOOR (COM FACILITY) 10,387 SF | 1st FLOOR (COM, FACULTY)<br>(COM, FACULTY)<br>(PARKING - NO FLA.)<br>2.934 SF<br>2.934 SF<br>2.934 SF | SUBCELLAR 3 (AUTOMATED CAR STORAGE) 10,624 SF<br>SUBCELLAR 2 (AUTOMATED CAR STORAGE) 10,624 SF<br>SUBCELLAR (AUTOMATED CAR STORAGE) 10,624 SF<br>CELLAR (OMATED CAR STORAGE) 9000 SF<br>CELLAR (OMATED CAR STORAGE) 9200 SF | FLOOR FLOOR AREA DEDUCT         | H AREA SUMMARY  | (c) <u>PROPOSED</u><br>(c) <u>P</u> | (b) EXISTING<br>(b) EXISTING<br>(c) E |   | G FLOOR AREA RATIO (F.A.R.)                      | SEC.32-10 THRU USE GROUP 2, 168<br>JEROPOSED<br>USE GROUP 6 - 1ST FLOOR - RETALL<br>USE GROUP 4A - CELLAR THRU 6TH FL - AMBU | FI ZONING USE 1 PERMITTED AS OF RIGHT<br>GROUP<br>SEC.22-10 /THRU 2 EXISTING<br>2 EXISTING | D MAP NUMBER 22a & 22c<br>E LOT AREA 11,167,5 SF | C. ZONING R6 / C1-3       | A BLOCK 5673<br>B. LOTS 42, 50        | ZONING CALCULATIONS FOR 5402 FORT HAMILTON P |
|--|--|------------------------------------|---|---|---------------------------------|---|--|---|---|--|--|--|--|---------------------------|---------------------------------------|--|
| ល្អាម្មារ<br>200<br>200<br>200<br>200<br>200<br>200<br>200<br>200<br>200<br>20   | - SF 9,774 SF W. REQUIRED BICYCLE<br>- SF 6,354 SF PARKING<br>- SF 6,354 SF SEC, 36-711                        | - SF 10.387 SF V LOADING BERTH     | - SF 1.839 SF U SEC. 36-52  | 0 SF TERCUIRED PARKING<br>0 SF SEC 36-21  | DNS FLOOR AREA SEC 36-12        | R. SKY EXP. PLANE<br>(NARROW STREET)<br>SEC 33-431                | O SKY EXP PLANE<br>(WIDE STREET)<br>SEC 33-431   | P SETBACK<br>(NARROW STREET)<br>SEC 33-431  | O SETBACK<br>(WDE STREET)<br>SEC 33-431 | SEC. 33-431                                      | M REAR YARD<br>SEC 33-303  | L REAR YARD<br>SEC, 33-302   | K REAR YARD<br>SEC, 33-301                       | J SIDE YARD<br>SEC, 33-25 | I. FRONT YARD                         | ARKWAY                                       |
|  | REQUIRED<br>1/10.000 SF FLOOR AREA<br>60.569 SF/10.000 = 6 SPACES  | REQUIRED<br>0<br>0                 | S REQUIRED PER SPACE 1060<br>ATTENDED = 318:<br>= =   | REQUIRED<br>1/400 SF FLOOR AREA<br>60,569 SF/400 = 151 SPACES COM   | PERMITTED<br>150 SPACES MAX 150 | REQUIRED<br>2,7 TO 1<br>2.7                                       | REOUIRED<br>5.6 TO 1<br>5.6  | REQUIRED<br>20'-0"<br>23'-  | REQUIRED                                | 4 STORIES OR 60'-0" 4 S<br>WHICHEVER IS LESS AND | REQUIRED PRO<br>N.R. (PURSUANT TO 23 -<br>ZR 33-302)<br>PEOLIDED PRO   | REQUIRED PRO<br>N.R. WITHN 100'-0" OF<br>SHORT DIM, OF BLOCK 23'-                          | REQUIRED<br>N.R. WITHIN 100'-0"<br>OF CORNER     | REQUIRED                  | REQUIRED<br>N.R.<br>0'-C              |  |
| PROJECT<br><b>5402 FT HAM</b><br><b>BROOKLYN, I</b><br>DRAWING TITLE   | ILTON<br>NY 112  | PAF<br>219                         | 224 SF x 3 FLOORS<br>224 SF x 3 FLOORS<br>31872 SF TOTAL<br>212 SF 150 SPACES<br>212 SF PER SPACE     | OPOSED<br>)<br>MPLIES WITH 36-12  | A<br>A<br>New<br>New            | R P A<br>R C H<br>Macluto, Pro<br>Mal Street, S<br>York, N.Y. 100 | D E E E E E E E E E E E E E E E E E E E  | C T, P  | -10"<br>B A<br>c.                       | 5TORIES<br>0 44'-0"                              | OPOSED   | PROJ<br>DATE<br>REVIS<br>DRAW<br>SCAL  | ECT N  | 0. 1<br>2<br>2<br>4       | 470<br>6 JUL<br>2 AUG<br>NB<br>I.T.S. | 10<br>5 12                                   |
| ZONING CALCULATIONS  |  |                                    |   |   | Fax<br>Fax<br>E-m<br>ww         | 212-768-4<br>212-768-4<br>ait info@arpa<br>w.arpad-ba             | 473<br>d-baksa-archil<br>kaa-archite   | ecl.com<br>ct.com   |   |  |  | SHEE   | ΝŪ   | С                         | PZ                                    | -1   |




















































APPENDIX 2: NO-ACTION BUILDING SITE PLAN



APPENDIX 3: LPC CORRESPONDENCE



# **ENVIRONMENTAL REVIEW**

Project number:DEPARTMENT OF CITY PLANNING / 77DCP050KProject:FORT HAMILTON PARKWAY REZONINGDate received:12/17/2013

**Comments:** as indicated below. Properties that are individually LPC designated or in LPC historic districts require permits from the LPC Preservation department. Properties that are S/NR listed or S/NR eligible require consultation with SHPO if there are State or Federal permits or funding required as part of the action.

The lead agency has requested a review of two additional bbls: 5673/41 and 5666/20.

#### Properties with no Architectural or Archaeological significance:

- 1) ADDRESS: 5402 FT HAMILTON PARKWAY, BBL: 3056730042
- 2) ADDRESS: 5414 FT HAMILTON PARKWAY, BBL: 3056730050
- 3) ADDRESS: 986 54 STREET, BBL: 3056730041
- 4) ADDRESS: 5324 FT HAMILTON PARKWAY, BBL: 3056660020, lot in part, within project site

#### Properties with Archaeological significance in study area outside of project site:

1) ADDRESS: 5324 FT HAMILTON PARKWAY, BBL: 3056660020, lot in part, outside of project site

#### **Properties with Architectural significance:**

1) ADDRESS: 5324 FT HAMILTON PARKWAY, BBL: 3056660020, LPC FINDINGS: NO INTEREST, STATE/NATIONAL REGISTER FINDINGS: ELIGIBLE FOR NATIONAL REGISTER LIST.

#### Comments:

LPC review of archaeological sensitivity models and historic maps indicates that there is potential for the recovery of remains from 19th Century and Native American occupation for the following Borough, Block and Lot location(s) outside of the project site but within the study area of BBL: 3056660020. In the event that the project scope is changed to include additional portions of BBL: 3056660020 lot in part within the project site, the Commission recommends that an archaeological documentary study be performed for these location(s) to clarify these initial findings and provide the threshold for the next level of review, if such review is necessary (see CEQR Technical Manual 2012).

Portions of the project site appear to be disturbed by 20<sup>th</sup> century construction of building(s) on the front and rear portions of the lot(s). There are no further archeological concerns for the following Borough, Block and Lot location(s) within the project site BBL: 3056730041, 3056730042, 3056730050 and 3056660020 lot in part.

The EAS RWCDS states that redevelopment of 5666/20 appears highly unlikely as a result of this action, therefore no adverse impacts are anticipated to this property.

Ginin SanTucci

12/18/2013

SIGNATURE Gina Santucci, Environmental Review Coordinator DATE

File Name: 27693\_FSO\_GS\_12182013.doc

## APPENDIX 4: PROPOSED PROJECT TRAVEL DEMAND FACTOR/TPA MEMO

## Memo



To:Mehdi Amjadi<br/>New York City Department of City PlanningFrom:Steve Abendschein, P.E.<br/>Christopher Mojica, P.E.File:193410287Date:July 2, 2013<br/>Revised August 20, 2014

# Reference: 5402 Fort Hamilton Parkway EAS – Transportation Screening Analyses & Proposed Travel Demand Factors

The purpose of this memorandum describes the screening methodology used for identifying transportation elements that would require a more detailed analysis as part of the Environmental Assessment Statement for a proposed six-story medical facility building at Fort Hamilton Parkway and 54<sup>th</sup> Street in Brooklyn, NY ("The Project"). For purposes of this assessment, it is assumed that the existing site is vacant and unoccupied and would not be considered a traffic generator. It is also assumed that if the proposed project is not approved, the project applicant will develop the site under existing R-5/C1-3 zoning with an as-of-right (No Action) building. The proposed (Action) building would be rezoned to R-6/C1-3 and used primarily as a diagnostic and treatment medical facility. In addition, the proposed development would include a local retail component and a below grade off-street parking facility.

Included within this memorandum are the assumed travel demand factors which were utilized to complete the screening analyses. Analyses were completed in conjunction with the 2012 City Environmental Quality Review Technical Manual (CEQR) guidelines, which is the accepted process of the New York City Department of Transportation (NYCDOT).

### UPDATES FROM THE MAY 24, 2011 MEMORANDUM SUBMISSION TO NYCDCP

The Reasonable Worst Case Development Scenario (RWCDS) for the proposed project was submitted to the New York City Department of City Planning (NYCDCP) on November 16, 2012 and approved on February 11, 2013. With the exception of minor changes in the proposed build program, there have been no other changes in the building envelope, access points, or other elements pertinent to the transportation screening analyses or travel demand factors since the May 24, 2011 submission of Stantec's memorandum to NYCDCP.

The revised build program is presented in Table 1. The No Action program would consist of 27,165 gross square feet (GSF) of community facility space (three stories tall) and 5,614 GSF of local retail use fronting on Fort Hamilton Parkway. The Proposed Project is comprised of 54,955 GSF of community facility space (six stories tall) and 5,614 GSF of local retail use fronting on Fort Hamilton Parkway. The Proposed Project has a zoning floor area of 50,669 zoning square feet (ZSF) on a lot area of 11,167.5 square feet, translating to a Floor Area Ratio (FAR) of 4.54. However, since the zoning floor area (under R-6/C1-3 rezoning) could achieve a slightly higher FAR of 4.8 (resulting in a slightly larger zoning floor area of 53,604 ZSF), the Action program will assume the larger square footage which would result from adoption of the proposed rezoning action. Therefore, the Action program assumes a rezoned building consisting of 57,890 GSF of community facility space (six stories tall) and 5,614 GSF of local retail use fronting on Fort Hamilton Parkway. All building programs assume an automated below grade off-street parking facility with a capacity of 82 vehicles (No Action) or 150 vehicles (Proposed Project / Action).

One Team. Infinite Solutions.

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# Reference: 5402 Fort Hamilton Parkway EAS – Transportation Screening Analyses & Proposed Travel Demand Factors

Under both the No Action and Action building programs, it is assumed that the primary use of the building will be medical facilities, though the exact mix of uses does vary. In addition, it should be noted that while the Proposed Project does not utilize the maximum allowable GSF on the site, our transportation analyses assume the full potential GSF as to present a conservative analysis.

| Pro                   | ject Components   | No Action (A<br>R-5 /  | As-of-Right)<br>C1-3   | Propose<br>R-6 /   | d Project<br>C1-3                       | Action<br>R-6 / C1-3                       |                                 |  |  |
|-----------------------|---|--|--|--|---|--|---------------------------------|--|--|
| -                     |   | GSF  | ZSF  | GSF  | ZSF                                     | GSF  | ZSF                             |  |  |
| Communi<br>(Medical   | ity Facility<br>Facility, includes Cellar)  | 27,165   | 17,265   | 54,955   | 45,055                                  | 57,890                                     | 47,990                          |  |  |
| Commerce<br>(Local Re | cial<br>∌tail)  | 5,614  | 5,614  | 5,614  | 5,614                                   | 5,614                                      | 5,614                           |  |  |
| Total<br>(Includinç   | g Cellar)   | 32,779   | -  | -  | 63,504 -                                |  |                                 |  |  |
| Notes:                | GSF – Gross Floor Area (<br>Total ZSF not shown sinc<br>Values indicate the maxir<br>Both the Proposed Projec<br>for 150 vehicles (100 pas:<br>street parking facility with | square feet), ZSF<br>e it excludes Cella<br>num SF permitteo<br>t and the Action F<br>senger cars and u<br>a capacity for 82 | - Zoning Floor A<br>ar and Sub-Cellar<br>d under respective<br>Program provide a<br>up to 50 SUVs). T<br>vehicles. | Area (square feet)<br>square footage.<br>e zoning districts.<br>an automated belo<br>The No Action Pro | ow grade off-stree<br>ogram provides ar | et parking facility v<br>n automated belov | vith a capacity<br>v grade off- |  |  |
| Source:               | November 16, 2012 RWC   | DS Text Submitte   | ed to and Approve  | ed by NYCDCP.  |   |  |                                 |  |  |

|                         | Table 1          |          |      |      |
|-------------------------|------------------|----------|------|------|
| No Action, Proposed Pro | ject, and Action | Building | Prog | Iram |

## SUMMARY OF FINDINGS

A screening assessment was conducted to determine the number of peak hour trips generated by the proposed development. It should be noted that the screening analyses did not include weekend peak periods of travel since the existing medical facilities are closed on both weekend days and it is anticipated that the proposed medical facility (under both No Action and Action building programs) would establish hours of operation similar to each of the surveyed facilities. Additionally, it should be noted that a screening analysis was not performed for the retail component of the Proposed Project as per the direction of NYCDCP since there is no incremental retail development between the As-of-Right and Proposed developments.

The screening analyses found that one intersection during the weekday midday peak hour (12-1 PM) and five intersections during the weekday PM peak hour (5-6 PM) would require detailed analysis due to the proposed project adding 50 or more vehicle trips to these intersections. During the AM (9-10 AM) peak hour, none of the five intersections would exceed the 50 vehicle trip threshold. However, to be conservative, the five intersections listed below would be studied during the AM, midday, and PM peak hours:

- 1) Fort Hamilton Parkway and 54<sup>th</sup> Street
- 2) Fort Hamilton Parkway and 55<sup>th</sup> Street
- 3) Fort Hamilton Parkway and 56<sup>th</sup> Street
- 4) 9<sup>th</sup> Avenue and 54<sup>th</sup> Street
- 5) 9<sup>th</sup> Avenue and 55<sup>th</sup> Street

The proposed project would result in an additional two vehicles utilizing available on-street parking during any of the peak hours (in order to provide space for ambulettes and vehicles picking up and discharging patients at the facility and not impede traffic flow along Fort Hamilton Parkway). This is not expected to pose a significant impact. Transit and pedestrian trips

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#### Reference: 5402 Fort Hamilton Parkway EAS – Transportation Screening Analyses & Proposed Travel Demand Factors

generated by the proposed project are estimated to be under the 200 peak hour trip threshold and would not require further detailed analysis. The capacity of the proposed off-street automated parking facility is projected to be able to handle all of the peak hour traffic and and a further detailed analysis is not required.

### SOFT SITE ANALYSIS

There are plans to rezone properties within the project study area from R5 to R6. A soft site analysis was performed for the affected properties and the analysis was approved by NYCDCP on February 11, 2013. It was determined that all of the affected properties would be expected to continue their current land uses despite a potential rezoning.

Additionally, there are soft site developments within the project study area which may generate additional traffic prior to the assumed No Action/Action analysis year of 2016. A map and a listing of the planned developments within ½ mile of the project study area follow this technical memo.

### **METHODOLOGY**

The following section presents details and results of the screening methodology.

### Proposed Site Information

The project site is located on Fort Hamilton Parkway at 54th Street in Borough Park neighborhood of Brooklyn, New York. It is bounded by 54th Street to the north, 55th Street to the south, 9th avenue to the west, and Fort Hamilton Parkway to the east. Figure 1 illustrates the location of the site along with a ¼-mile study area radius.



The proposed project involves the development of an existing, vacant site to a new community facility building and local retail base. However, it is expected that if the proposed project is not approved, the project applicant will develop the site under existing zoning with an as-of-right (No Action) building.

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#### Reference: 5402 Fort Hamilton Parkway EAS – Transportation Screening Analyses & Proposed Travel Demand Factors

Table 2 below provides a summary of the No Action and Action programs. The No Action program would consist of 27,165 GSF of community facility space (three stories tall) and 5,614 GSF of local retail use fronting on Fort Hamilton Parkway. It is assumed that all of the community facility space would be utilized as a Medical Facility (providing cardiology services) for both staff and patients.

The Action program would allow for a rezoned building, consisting of 57,890 GSF of community facility space (six stories tall) and 5,614 GSF of local retail use fronting on Fort Hamilton Parkway. Based upon discussions with the client, the Action program assumes that certain floors (or portions of floors) within the proposed six story building will be allocated for staff only (these uses include a birthing center and medical laboratories), resulting in a total of 42,280 GSF for both staff and patient use (labeled as Medical Facility in Table 2 below) and a total of 15,610 GSF for staff use only (labeled as Medical Laboratory in Table 2 below). Both the No Action and Action programs would include an automated below grade off-street parking facility with capacities of 82 vehicles (No Action building) and 150 vehicles (Action building).

| Proje   | ect Components   | No Action (A<br>R-5 / | As-of-Right)<br>C1-3 | Action<br>R-6 / C1-3 |        |  |  |  |  |  |  |  |
|---|--|-----------------------|----------------------|----------------------|--------|--|--|--|--|--|--|--|
| _   | -  | GSF                   | ZSF                  | GSF                  | ZSF    |  |  |  |  |  |  |  |
| Community Facility (  | Medical Facility, includes Cellar)   | 27,165                | 17,265               | 42,280               | 32,380 |  |  |  |  |  |  |  |
| Community Facility (  | Medical Laboratory)  | 0                     | 0                    | 15,610               | 15,610 |  |  |  |  |  |  |  |
| Total Community Fac   | cility   | 27,165                | 17,265               | 57,890               | 47,990 |  |  |  |  |  |  |  |
| Commercial (Local R   | tetail)  | 5,614                 | 5,614                | 5,614                | 5,614  |  |  |  |  |  |  |  |
| Total (Including Cella  | ar)  | 32,779                | -                    | 63,504               | -      |  |  |  |  |  |  |  |
| Notes: GSF – Gr<br>Total ZSF<br>Values in<br>Both the l<br>vehicles (<br>a capacity | GSF – Gross Floor Area (square feet), ZSF – Zoning Floor Area (square feet)<br>Total ZSF not shown since it excludes Cellar and Sub-Cellar square footage.<br>Values indicate the maximum SF permitted under respective zoning districts.<br>Both the Proposed Project and the Action Program provide a below grade off-street parking facility with a capacity for 150<br>vehicles (100 passenger cars and up to 50 SUVs). The No Action Program provides a below grade off-street parking facility w |                       |                      |                      |        |  |  |  |  |  |  |  |
| Source: Novembe   | r 16, 2012 RWCDS Text Submitted to a   | and Approved by NY(   | CDCP.                |                      |        |  |  |  |  |  |  |  |

| Table 2                               |
|---------------------------------------|
| No Action and Action Building Program |

### Medical Facility Surveys

Since trip generation, mode split, and trip assignment information at medical facilities in southwest Brooklyn were not readily available, surveys were conducted on April 21, 2010 of the patients and staff served by five existing medical facilities – four providing cardiology services and one providing obstetrics/gynecology (OB/GYN) services. It should be noted these surveys were utilized in the absence of available medical facility data for the immediate study area. Data collected from these surveys and presented herein provide a reasonable representation of local medical facility trip generation and travel patterns, and were utilized to forecast traffic volumes for the proposed No Action or Action program. The five medical facilities surveyed along with their gross floor area, as reported by medical office staff, are listed below and shown in Figure 2.

- 1) Cardiology office at 421 Ocean Parkway (two offices), 6,200 square feet
- 2) Cardiology office at 4802 10th Avenue (two offices), 5,900 square feet
- 3) Cardiology office at 848 49th Street, 3,200 square feet
- 4) Cardiology office at 9001 3rd Avenue, 3,000 square feet
- 5) OB/GYN office at 5925 15th Avenue, 9,100 square feet

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# Reference: 5402 Fort Hamilton Parkway EAS – Transportation Screening Analyses & Proposed Travel Demand Factors



The surveys were designed to produce trip generation, modal split, and temporal distribution information for patients and staff on a typical weekday<sup>1</sup>. At each facility, a count of people entering and exiting each facility was conducted. Surveys identified, amongst other information, whether the person was a patient or staff member, the time of entry and exit, the mode used to travel, and location of trip's origin. The mode used to travel to and from the facility was identified as either: an auto trip where the person parked their vehicle (auto self-park); an auto trip where the person was dropped off in front of the facility (auto drop-off); a trip by taxi or black car; a trip by an ambulette service; a subway trip, a bus trip, or a walk trip. Since only a portion of people entering the medical facilities were surveyed, the responses were scaled to reflect the total number of people counted as entering and exiting at the medical facilities. Tables 3A through 3F present this normalized cardiology and OB/GYN survey data, which found that the AM peak hour is from 9-10 AM, the midday peak hour is from 12-1 PM, and the PM peak hour is from 5-6 PM.

<sup>&</sup>lt;sup>1</sup> Surveys were not conducted for weekend peak periods since the existing medical facilities are closed on both weekend days and it is anticipated that the proposed medical facility (under both No Action and Action building programs) would establish hours of operation similar to each of the surveyed facilities.

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Reference: 5402 Fort Hamilton Parkway EAS – Transportation Screening Analyses & Proposed Travel Demand Factors

| TIME PERIOD         | PATIENT<br>AUTO - PARKED<br>GENERATED TRIPS |     | PATIENT<br>AUTO - DISCHARGED<br>GENERATED TRIPS |     | <u>PATIENT</u><br>TAXI / BLACK CAR<br>GENERATED TRIPS |     | PATIENT<br>AMBULETTE<br>GENERATED TRIPS |     | PATIENT<br>SUBWAY<br>GENERATED TRIPS |     | PATIENT<br>BUS<br>GENERATED TRIPS |     | PATIENT<br>WALK<br>GENERATED TRIPS |     | PATIENT<br>TOTAL<br>GENERATED TRIPS |     |
|---------------------|---|-----|---|-----|---|-----|---|-----|--------------------------------------|-----|-----------------------------------|-----|------------------------------------|-----|-------------------------------------|-----|
|                     | In  | Out | In  | Out | In  | Out | In                                      | Out | In                                   | Out | In                                | Out | In                                 | Out | In                                  | Out |
| 12:00 AM – 1:00 AM  | 0   | 0   | 0   | 0   | 0   | 0   | 0                                       | 0   | 0                                    | 0   | 0                                 | 0   | 0                                  | 0   | 0                                   | 0   |
| 1:00 AM – 2:00 AM   | 0   | 0   | 0   | 0   | 0   | 0   | 0                                       | 0   | 0                                    | 0   | 0                                 | 0   | 0                                  | 0   | 0                                   | 0   |
| 2:00 AM – 3:00 AM   | 0   | 0   | 0   | 0   | 0   | 0   | 0                                       | 0   | 0                                    | 0   | 0                                 | 0   | 0                                  | 0   | 0                                   | 0   |
| 3:00 AM – 4:00 AM   | 0   | 0   | 0   | 0   | 0   | 0   | 0                                       | 0   | 0                                    | 0   | 0                                 | 0   | 0                                  | 0   | 0                                   | 0   |
| 4:00 AM – 5:00 AM   | 0   | 0   | 0   | 0   | 0   | 0   | 0                                       | 0   | 0                                    | 0   | 0                                 | 0   | 0                                  | 0   | 0                                   | 0   |
| 5:00 AM – 6:00 AM   | 0   | 0   | 0   | 0   | 0   | 0   | 0                                       | 0   | 0                                    | 0   | 0                                 | 0   | 0                                  | 0   | 0                                   | 0   |
| 6:00 AM – 7:00 AM   | 0   | 0   | 0   | 0   | 0   | 0   | 0                                       | 0   | 0                                    | 0   | 0                                 | 0   | 0                                  | 0   | 0                                   | 0   |
| 7:00 AM – 8:00 AM   | 0   | 0   | 0   | 0   | 0   | 0   | 0                                       | 0   | 0                                    | 0   | 0                                 | 0   | 0                                  | 0   | 0                                   | 0   |
| 8:00 AM – 9:00 AM   | 0   | 0   | 1   | 0   | 3   | 0   | 1                                       | 0   | 2                                    | 0   | 4                                 | 0   | 1                                  | 0   | 13                                  | 0   |
| 9:00 AM – 10:00 AM  | 11  | 0   | 3   | 1   | 0   | 3   | 2                                       | 1   | 0                                    | 0   | 5                                 | 3   | 1                                  | 1   | 22                                  | 10  |
| 10:00 AM - 11:00 AM | 9   | 8   | 5   | 3   | 1   | 0   | 4                                       | 1   | 0                                    | 2   | 3                                 | 4   | 1                                  | 1   | 24                                  | 20  |
| 11:00 AM - 12:00 PM | 4   | 8   | 2   | 1   | 1   | 0   | 3                                       | 4   | 0                                    | 0   | 2                                 | 3   | 2                                  | 0   | 15                                  | 16  |
| 12:00 PM – 1:00 PM  | 5   | 8   | 2   | 5   | 0   | 0   | 8                                       | 4   | 0                                    | 0   | 3                                 | 2   | 2                                  | 1   | 20                                  | 21  |
| 1:00 PM – 2:00 PM   | 3   | 2   | 7   | 3   | 1   | 2   | 5                                       | 4   | 1                                    | 0   | 1                                 | 2   | 2                                  | 3   | 20                                  | 17  |
| 2:00 PM – 3:00 PM   | 10  | 6   | 3   | 2   | 4   | 1   | 7                                       | 3   | 1                                    | 0   | 4                                 | 2   | 5                                  | 0   | 35                                  | 14  |
| 3:00 PM – 4:00 PM   | 6   | 7   | 3   | 7   | 1   | 1   | 1                                       | 6   | 0                                    | 2   | 5                                 | 3   | 2                                  | 7   | 17                                  | 34  |
| 4:00 PM – 5:00 PM   | 3   | 7   | 0   | 3   | 1   | 4   | 0                                       | 7   | 0                                    | 0   | 3                                 | 3   | 2                                  | 1   | 10                                  | 25  |
| 5:00 PM – 6:00 PM   | 1   | 2   | 2   | 0   | 0   | 1   | 0                                       | 0   | 0                                    | 0   | 6                                 | 2   | 0                                  | 2   | 9                                   | 7   |
| 6:00 PM – 7:00 PM   | 2   | 3   | 1   | 2   | 0   | 0   | 1                                       | 0   | 2                                    | 0   | 1                                 | 6   | 1                                  | 2   | 9                                   | 13  |
| 7:00 PM – 8:00 PM   | 0   | 1   | 0   | 1   | 0   | 0   | 0                                       | 1   | 0                                    | 1   | 0                                 | 6   | 0                                  | 1   | 0                                   | 11  |
| 8:00 PM – 9:00 PM   | 0   | 3   | 0   | 1   | 0   | 0   | 0                                       | 0   | 0                                    | 0   | 0                                 | 0   | 0                                  | 0   | 0                                   | 4   |
| 9:00 PM - 10:00 PM  | 0   | 0   | 0   | 0   | 0   | 0   | 0                                       | 0   | 0                                    | 1   | 0                                 | 0   | 0                                  | 0   | 0                                   | 1   |
| 10:00 PM - 11:00 PM | 0   | 0   | 0   | 0   | 0   | 0   | 0                                       | 0   | 0                                    | 0   | 0                                 | 0   | 0                                  | 0   | 0                                   | 0   |
| 11:00 PM - 12:00 AM | 0   | 0   | 0   | 0   | 0   | 0   | 0                                       | 0   | 0                                    | 0   | 0                                 | 0   | 0                                  | 0   | 0                                   | 0   |
|                     | 55  | 55  | 31  | 31  | 13  | 13  | 32                                      | 32  | 6                                    | 6   | 38                                | 38  | 20                                 | 20  | 194                                 | 194 |

 Table 3A

 Patient Person Trip Accumulation (Cardiology Offices)

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Reference: 5402 Fort Hamilton Parkway EAS – Transportation Screening Analyses & Proposed Travel Demand Factors

| TIME PERIOD    |         | <u>STAFF</u><br>AUTO - PARKED<br>GENERATED TRIPS |     | <u>STAFF</u><br>AUTO - DISCHARGED<br>GENERATED TRIPS |     | <u>STAFF</u><br>TAXI / BLACK CAR<br>GENERATED TRIPS |     | STAFF<br>AMBULETTE<br>GENERATED TRIPS |     | STAFF<br>SUBWAY<br>GENERATED TRIPS |     | STAFF<br>BUS<br>GENERATED TRIPS |     | STAFF<br>WALK<br>GENERATED TRIPS |     | STAFF<br>TOTAL<br>GENERATED TRIPS |     |
|----------------|---------|--|-----|--|-----|---|-----|---------------------------------------|-----|------------------------------------|-----|---------------------------------|-----|----------------------------------|-----|-----------------------------------|-----|
|                |         | In   | Out | In   | Out | In  | Out | In                                    | Out | In                                 | Out | In                              | Out | In                               | Out | In                                | Out |
| 12:00 AM - 1:0 | 00 AM   | 0  | 0   | 0  | 0   | 0   | 0   | 0                                     | 0   | 0                                  | 0   | 0                               | 0   | 0                                | 0   | 0                                 | 0   |
| 1:00 AM - 2:0  | 00 AM   | 0  | 0   | 0  | 0   | 0   | 0   | 0                                     | 0   | 0                                  | 0   | 0                               | 0   | 0                                | 0   | 0                                 | 0   |
| 2:00 AM - 3:0  | 00 AM   | 0  | 0   | 0  | 0   | 0   | 0   | 0                                     | 0   | 0                                  | 0   | 0                               | 0   | 0                                | 0   | 0                                 | 0   |
| 3:00 AM – 4:0  | 00 AM   | 0  | 0   | 0  | 0   | 0   | 0   | 0                                     | 0   | 0                                  | 0   | 0                               | 0   | 0                                | 0   | 0                                 | 0   |
| 4:00 AM - 5:0  | 00 AM   | 0  | 0   | 0  | 0   | 0   | 0   | 0                                     | 0   | 0                                  | 0   | 0                               | 0   | 0                                | 0   | 0                                 | 0   |
| 5:00 AM – 6:0  | 00 AM   | 0  | 0   | 0  | 0   | 0   | 0   | 0                                     | 0   | 0                                  | 0   | 0                               | 0   | 0                                | 0   | 0                                 | 0   |
| 6:00 AM - 7:0  | 00 AM   | 0  | 0   | 0  | 0   | 0   | 0   | 0                                     | 0   | 0                                  | 0   | 0                               | 0   | 0                                | 0   | 0                                 | 0   |
| 7:00 AM – 8:0  | 00 AM   | 1  | 0   | 0  | 0   | 0   | 0   | 0                                     | 0   | 0                                  | 0   | 0                               | 0   | 0                                | 0   | 1                                 | 0   |
| 8:00 AM – 9:0  | 00 AM   | 11   | 0   | 0  | 0   | 0   | 0   | 0                                     | 0   | 7                                  | 0   | 2                               | 0   | 3                                | 0   | 23                                | 0   |
| 9:00 AM - 10:  | :00 AM  | 6  | 0   | 1  | 0   | 0   | 0   | 0                                     | 0   | 3                                  | 0   | 3                               | 0   | 0                                | 0   | 13                                | 0   |
| 10:00 AM - 11: | :00 AM  | 0  | 0   | 0  | 0   | 0   | 0   | 0                                     | 0   | 0                                  | 0   | 0                               | 0   | 0                                | 0   | 0                                 | 0   |
| 11:00 AM - 12: | :00 PM  | 1  | 0   | 1  | 0   | 0   | 0   | 0                                     | 0   | 0                                  | 0   | 0                               | 0   | 0                                | 0   | 2                                 | 0   |
| 12:00 PM - 1:  | 00 PM   | 0  | 0   | 0  | 0   | 0   | 0   | 0                                     | 0   | 0                                  | 0   | 0                               | 0   | 0                                | 0   | 0                                 | 0   |
| 1:00 PM - 2:   | 00 PM   | 0  | 0   | 0  | 0   | 0   | 0   | 0                                     | 0   | 0                                  | 0   | 0                               | 0   | 0                                | 0   | 0                                 | 0   |
| 2:00 PM - 3:   | 00 PM   | 0  | 0   | 0  | 0   | 0   | 0   | 0                                     | 0   | 0                                  | 0   | 0                               | 0   | 0                                | 0   | 0                                 | 0   |
| 3:00 PM - 4:   | 00 PM   | 0  | 0   | 0  | 0   | 0   | 0   | 0                                     | 0   | 0                                  | 0   | 0                               | 0   | 0                                | 0   | 0                                 | 0   |
| 4:00 PM - 5:   | 00 PM   | 0  | 2   | 0  | 0   | 0   | 0   | 0                                     | 0   | 0                                  | 2   | 0                               | 0   | 0                                | 2   | 0                                 | 6   |
| 5:00 PM – 6:   | 00 PM   | 0  | 11  | 0  | 1   | 0   | 0   | 0                                     | 0   | 0                                  | 8   | 0                               | 5   | 0                                | 1   | 0                                 | 26  |
| 6:00 PM - 7:   | 00 PM   | 0  | 5   | 0  | 0   | 0   | 0   | 0                                     | 0   | 0                                  | 0   | 0                               | 0   | 0                                | 0   | 0                                 | 5   |
| 7:00 PM - 8:   | 00 PM   | 0  | 0   | 0  | 0   | 0   | 0   | 0                                     | 0   | 0                                  | 0   | 0                               | 0   | 0                                | 0   | 0                                 | 0   |
| 8:00 PM - 9:   | 00 PM   | 0  | 1   | 0  | 1   | 0   | 0   | 0                                     | 0   | 0                                  | 0   | 0                               | 0   | 0                                | 0   | 0                                 | 2   |
| 9:00 PM - 10:  | :00 PM  | 0  | 0   | 0  | 0   | 0   | 0   | 0                                     | 0   | 0                                  | 0   | 0                               | 0   | 0                                | 0   | 0                                 | 0   |
| 10:00 PM - 11: | :00 P M | 0  | 0   | 0  | 0   | 0   | 0   | 0                                     | 0   | 0                                  | 0   | 0                               | 0   | 0                                | 0   | 0                                 | 0   |
| 11:00 PM - 12: | :00 AM  | 0  | 0   | 0  | 0   | 0   | 0   | 0                                     | 0   | 0                                  | 0   | 0                               | 0   | 0                                | 0   | 0                                 | 0   |
|                |         | 19   | 19  | 2  | 2   | 0   | 0   | 0                                     | 0   | 10                                 | 10  | 5                               | 5   | 3                                | 3   | 39                                | 39  |

 Table 3B

 Staff Person Trip Accumulation (Cardiology Offices)

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Reference: 5402 Fort Hamilton Parkway EAS – Transportation Screening Analyses & Proposed Travel Demand Factors

|                 |      |           |     |          | . otal   |           |         | <u>,</u>  |                   |          | cama              |          | - ai ai ai        |         |                | -,<br>           |                  | 24-HR PERSON TR | P ACCUMULATION |  |  |                |              |
|-----------------|------|-----------|-----|----------|----------|-----------|---------|-----------|-------------------|----------|-------------------|----------|-------------------|---------|----------------|------------------|------------------|-----------------|----------------|--|--|----------------|--------------|
|                 |      | DATIENT ( |     |          |          | DATIENT / |         | DATIENT / | DATIENT AND STAFE |          | DATIENT AND STAFE |          | PATIENT AND STAFE |         |                | DATIENT AND STAF |                  | (ALL            | TRIPS)         |  |  |                |              |
|                 |      |           |     |          | SCHARGED |           | ACK CAP |           | ILETTE            |          |                   |          |                   |         |                | TO               |                  |                 |                |  |  |                |              |
| TIME PERIOD     |      | GENERA-   |     | GENIEDA  |          | GENERA    |         | GENIEDA   |                   | GENIEDA  |                   | GENERA   |                   | GENIERA |                |                  |                  |                 |                |  |  |                |              |
|                 |      | ULINLINA  |     | GLINLINA |          | OLINEIA   |         | GLINLINA  |                   | GLINLINA |                   | GLINLINA | OLINEIRATED TRIPS |         | GENERATED THIS |                  | OLIVEIATED THIP5 |                 | GENERATED HATS |  |  | Hourly Entries | Accumulation |
|                 |      |           |     |          |          |           |         |           |                   |          |                   |          |                   |         |                |                  |                  |                 |                |  |  |                |              |
|                 |      | In        | Out | In       | Out      | In        | Out     | In        | Out               | In       | Out               | In       | Out               | In      | Out            | In               | Out              |                 |                |  |  |                |              |
| 12:00 AM - 1:00 |      | 0         | 0   | 0        | 0        | 0         | 0       | 0         | 0                 | 0        | 0                 | 0        | 0                 | 0       | 0              | 0                | 0                | 0               | 0              |  |  |                |              |
| 1:00 AM - 2:00  | AM   | 0         | 0   | 0        | 0        | 0         | 0       | 0         | 0                 | 0        | 0                 | 0        | 0                 | 0       | 0              | 0                | 0                | 0               | 0              |  |  |                |              |
| 2:00 AM - 3:00  | MA   | 0         | 0   | 0        | 0        | 0         | 0       | 0         | 0                 | 0        | 0                 | 0        | 0                 | 0       | 0              | 0                | 0                | 0               | 0              |  |  |                |              |
| 3:00 AM - 4:00  | MA   | 0         | 0   | 0        | 0        | 0         | 0       | 0         | 0                 | 0        | 0                 | 0        | 0                 | 0       | 0              | 0                | 0                | 0               | 0              |  |  |                |              |
| 4:00 AM - 5:00  | ) AM | 0         | 0   | 0        | 0        | 0         | 0       | 0         | 0                 | 0        | 0                 | 0        | 0                 | 0       | 0              | 0                | 0                | 0               | 0              |  |  |                |              |
| 5:00 AM - 6:00  | ) AM | 0         | 0   | 0        | 0        | 0         | 0       | 0         | 0                 | 0        | 0                 | 0        | 0                 | 0       | 0              | 0                | 0                | 0               | 0              |  |  |                |              |
| 6:00 AM - 7:00  | ) AM | 0         | 0   | 0        | 0        | 0         | 0       | 0         | 0                 | 0        | 0                 | 0        | 0                 | 0       | 0              | 0                | 0                | 0               | 0              |  |  |                |              |
| 7:00 AM - 8:00  | ) AM | 1         | 0   | 0        | 0        | 0         | 0       | 0         | 0                 | 0        | 0                 | 0        | 0                 | 0       | 0              | 1                | 0                | 1               | 1              |  |  |                |              |
| 8:00 AM - 9:00  | ) AM | 11        | 0   | 1        | 0        | 3         | 0       | 1         | 0                 | 9        | 0                 | 6        | 0                 | 4       | 0              | 36               | 0                | 36              | 37             |  |  |                |              |
| 9:00 AM - 10:0  | 0 AM | 17        | 0   | 4        | 1        | 0         | 3       | 2         | 1                 | 3        | 0                 | 8        | 3                 | 1       | 1              | 35               | 10               | 25              | 62             |  |  |                |              |
| 10:00 AM - 11:0 | 0 AM | 9         | 8   | 5        | 3        | 1         | 0       | 4         | 1                 | 0        | 2                 | 3        | 4                 | 1       | 1              | 24               | 20               | 4               | 66             |  |  |                |              |
| 11:00 AM - 12:0 | 0 PM | 5         | 8   | 3        | 1        | 1         | 0       | 3         | 4                 | 0        | 0                 | 2        | 3                 | 2       | 0              | 17               | 16               | 1               | 67             |  |  |                |              |
| 12:00 PM - 1:00 | ) PM | 5         | 8   | 2        | 5        | 0         | 0       | 8         | 4                 | 0        | 0                 | 3        | 2                 | 2       | 1              | 20               | 21               | -1              | 66             |  |  |                |              |
| 1:00 PM - 2:00  | ) PM | 3         | 2   | 7        | 3        | 1         | 2       | 5         | 4                 | 1        | 0                 | 1        | 2                 | 2       | 3              | 20               | 17               | 3               | 69             |  |  |                |              |
| 2:00 PM - 3:00  | ) PM | 10        | 6   | 3        | 2        | 4         | 1       | 7         | 3                 | 1        | 0                 | 4        | 2                 | 5       | 0              | 35               | 14               | 20              | 90             |  |  |                |              |
| 3:00 PM - 4:00  | ) PM | 6         | 7   | 3        | 7        | 1         | 1       | 1         | 6                 | 0        | 2                 | 5        | 3                 | 2       | 7              | 17               | 34               | -16             | 74             |  |  |                |              |
| 4:00 PM - 5:00  | ) PM | 3         | 9   | 0        | 3        | 1         | 4       | 0         | 7                 | 0        | 2                 | 3        | 3                 | 2       | 3              | 10               | 31               | -21             | 53             |  |  |                |              |
| 5:00 PM - 6:00  | ) PM | 1         | 13  | 2        | 1        | 0         | 1       | 0         | 0                 | 0        | 8                 | 6        | 7                 | 0       | 3              | 9                | 33               | -24             | 28             |  |  |                |              |
| 6:00 PM - 7:00  | ) PM | 2         | 8   | 1        | 2        | 0         | 0       | 1         | 0                 | 2        | 0                 | 1        | 6                 | 1       | 2              | 9                | 18               | -9              | 19             |  |  |                |              |
| 7:00 PM - 8:00  | ) PM | 0         | 1   | 0        | 1        | 0         | 0       | 0         | 1                 | 0        | 1                 | 0        | 6                 | 0       | 1              | 0                | 11               | -11             | 8              |  |  |                |              |
| 8:00 PM - 9:00  | ) PM | 0         | 4   | 0        | 2        | 0         | 0       | 0         | 0                 | 0        | 0                 | 0        | 0                 | 0       | 0              | 0                | 6                | -6              | 1              |  |  |                |              |
| 9:00 PM - 10:0  | 0 PM | 0         | 0   | 0        | 0        | 0         | 0       | 0         | 0                 | 0        | 1                 | 0        | 0                 | 0       | 0              | 0                | 1                | -1              | 0              |  |  |                |              |
| 10:00 PM - 11:0 | 0 PM | 0         | 0   | 0        | 0        | 0         | 0       | 0         | 0                 | 0        | 0                 | 0        | 0                 | 0       | 0              | 0                | 0                | 0               | 0              |  |  |                |              |
| 11:00 PM - 12:0 | 0 AM | 0         | 0   | 0        | 0        | 0         | 0       | 0         | 0                 | 0        | 0                 | 0        | 0                 | 0       | 0              | 0                | 0                | 0               | 0              |  |  |                |              |
|                 |      | 74        | 74  | 33       | 33       | 13        | 13      | 32        | 32                | 16       | 16                | 43       | 43                | 23      | 23             | 233              | 233              |                 |                |  |  |                |              |

Table 3C Total (Patient & Staff) Person Trip Accumulation (Cardiology Offices)
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Reference: 5402 Fort Hamilton Parkway EAS – Transportation Screening Analyses & Proposed Travel Demand Factors

| TIME PERI    | IOD      | <u>PATI</u><br>AUTO - I<br>GENERAT | <u>ENT</u><br>PARKED<br>ED TRIPS | <u>PAT</u><br>AUTO - DIS<br>GENERAT | I <mark>ENT</mark><br>SCHARGED<br>TED TRIPS | <mark>PATI</mark><br>TAXI / BL<br>GENERAT | <u>ENT</u><br>ACK CAR<br>ED TRIPS | <u>PATI</u><br>AMBU<br>GENERAT | <u>ENT</u><br>LETTE<br>ED TRIPS | <u>PAT</u> I<br>SUB'<br>GENERAT | IENT<br>WAY<br>TED TRIPS | <u>PATI</u><br>BL<br>GENERAT | I <mark>ENT</mark><br>JS<br>TED TRIPS | <mark>PATI</mark><br>WA<br>GENERAT | ENT<br>ALK<br>ED TRIPS | <u>PAT</u> I<br>TO <sup>-</sup><br>GENERAT | ENT<br>FAL<br>ED TRIPS |
|--------------|----------|------------------------------------|----------------------------------|-------------------------------------|---|---|-----------------------------------|--------------------------------|---------------------------------|---------------------------------|--------------------------|------------------------------|---------------------------------------|------------------------------------|------------------------|--|------------------------|
|              |          | In                                 | Out                              | In                                  | Out   | In  | Out                               | In                             | Out                             | In                              | Out                      | In                           | Out                                   | In                                 | Out                    | In   | Out                    |
| 12:00 AM –   | 1:00 AM  | 0                                  | 0                                | 0                                   | 0   | 0   | 0                                 | 0                              | 0                               | 0                               | 0                        | 0                            | 0                                     | 0                                  | 0                      | 0  | 0                      |
| 1:00 AM - 2  | 2:00 AM  | 0                                  | 0                                | 0                                   | 0   | 0   | 0                                 | 0                              | 0                               | 0                               | 0                        | 0                            | 0                                     | 0                                  | 0                      | 0  | 0                      |
| 2:00 AM -    | 3:00 AM  | 0                                  | 0                                | 0                                   | 0   | 0   | 0                                 | 0                              | 0                               | 0                               | 0                        | 0                            | 0                                     | 0                                  | 0                      | 0  | 0                      |
| 3:00 AM –    | 4:00 AM  | 0                                  | 0                                | 0                                   | 0   | 0   | 0                                 | 0                              | 0                               | 0                               | 0                        | 0                            | 0                                     | 0                                  | 0                      | 0  | 0                      |
| 4:00 AM -    | 5:00 AM  | 0                                  | 0                                | 0                                   | 0   | 0   | 0                                 | 0                              | 0                               | 0                               | 0                        | 0                            | 0                                     | 0                                  | 0                      | 0  | 0                      |
| 5:00 AM - 0  | 6:00 AM  | 0                                  | 0                                | 0                                   | 0   | 0   | 0                                 | 0                              | 0                               | 0                               | 0                        | 0                            | 0                                     | 0                                  | 0                      | 0  | 0                      |
| 6:00 AM –    | 7:00 AM  | 0                                  | 0                                | 0                                   | 0   | 0   | 0                                 | 0                              | 0                               | 0                               | 0                        | 0                            | 0                                     | 0                                  | 0                      | 0  | 0                      |
| 7:00 AM –    | 8:00 AM  | 0                                  | 0                                | 0                                   | 0   | 0   | 0                                 | 0                              | 0                               | 0                               | 0                        | 0                            | 0                                     | 0                                  | 0                      | 0  | 0                      |
| 8:00 AM – 9  | 9:00 AM  | 0                                  | 0                                | 0                                   | 0   | 0   | 0                                 | 0                              | 0                               | 0                               | 0                        | 0                            | 0                                     | 0                                  | 0                      | 0  | 0                      |
| 9:00 AM – 1  | 10:00 AM | 0                                  | 0                                | 0                                   | 0   | 0   | 0                                 | 0                              | 0                               | 0                               | 0                        | 0                            | 0                                     | 0                                  | 0                      | 0  | 0                      |
| 10:00 AM - 1 | 11:00 AM | 0                                  | 0                                | 0                                   | 0   | 0   | 0                                 | 0                              | 0                               | 0                               | 0                        | 0                            | 0                                     | 0                                  | 0                      | 0  | 0                      |
| 11:00 AM – 1 | 12:00 PM | 4                                  | 0                                | 8                                   | 0   | 2   | 0                                 | 2                              | 0                               | 0                               | 0                        | 4                            | 0                                     | 6                                  | 0                      | 27   | 0                      |
| 12:00 PM –   | 1:00 PM  | 23                                 | 2                                | 6                                   | 6   | 6   | 2                                 | 0                              | 2                               | 2                               | 0                        | 0                            | 4                                     | 6                                  | 2                      | 44   | 19                     |
| 1:00 PM –    | 2:00 PM  | 6                                  | 15                               | 2                                   | 8   | 0   | 6                                 | 0                              | 0                               | 0                               | 2                        | 2                            | 0                                     | 4                                  | 8                      | 15   | 40                     |
| 2:00 PM –    | 3:00 PM  | 0                                  | 17                               | 0                                   | 2   | 0   | 0                                 | 0                              | 0                               | 0                               | 0                        | 0                            | 0                                     | 0                                  | 6                      | 0  | 25                     |
| 3:00 PM –    | 4:00 PM  | 13                                 | 0                                | 4                                   | 0   | 0   | 0                                 | 0                              | 0                               | 0                               | 0                        | 0                            | 2                                     | 11                                 | 0                      | 27   | 2                      |
| 4:00 PM –    | 5:00 PM  | 11                                 | 8                                | 6                                   | 4   | 2   | 0                                 | 0                              | 0                               | 2                               | 0                        | 2                            | 0                                     | 2                                  | 2                      | 25   | 15                     |
| 5:00 PM –    | 6:00 PM  | 19                                 | 11                               | 15                                  | 4   | 4   | 2                                 | 0                              | 0                               | 4                               | 2                        | 0                            | 2                                     | 6                                  | 11                     | 48   | 32                     |
| 6:00 PM –    | 7:00 PM  | 8                                  | 13                               | 2                                   | 11  | 0   | 4                                 | 0                              | 0                               | 0                               | 2                        | 0                            | 0                                     | 0                                  | 4                      | 11   | 34                     |
| 7:00 PM –    | 8:00 PM  | 0                                  | 17                               | 0                                   | 6   | 0   | 0                                 | 0                              | 0                               | 0                               | 2                        | 0                            | 0                                     | 0                                  | 2                      | 0  | 27                     |
| 8:00 PM –    | 9:00 PM  | 0                                  | 2                                | 0                                   | 2   | 0   | 0                                 | 0                              | 0                               | 0                               | 0                        | 0                            | 0                                     | 0                                  | 0                      | 0  | 4                      |
| 9:00 PM - 1  | 10:00 PM | 0                                  | 0                                | 0                                   | 0   | 0   | 0                                 | 0                              | 0                               | 0                               | 0                        | 0                            | 0                                     | 0                                  | 0                      | 0  | 0                      |
| 10:00 PM - 1 | 11:00 PM | 0                                  | 0                                | 0                                   | 0   | 0   | 0                                 | 0                              | 0                               | 0                               | 0                        | 0                            | 0                                     | 0                                  | 0                      | 0  | 0                      |
| 11:00 PM - 1 | 12:00 AM | 0                                  | 0                                | 0                                   | 0   | 0   | 0                                 | 0                              | 0                               | 0                               | 0                        | 0                            | 0                                     | 0                                  | 0                      | 0  | 0                      |
|              |          | 84                                 | 84                               | 44                                  | 44  | 15  | 15                                | 2                              | 2                               | 8                               | 8                        | 8                            | 8                                     | 36                                 | 36                     | 198  | 198                    |

 Table 3D

 Patient Person Trip Accumulation (OB/GYN Office)

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Reference: 5402 Fort Hamilton Parkway EAS – Transportation Screening Analyses & Proposed Travel Demand Factors

| TIME PERIOD         | <u>ST/</u><br>AUTO -<br>GENERAT | <b>AFF</b><br>PARKED<br>ED TRIPS | <u>STA</u><br>AUTO - DIS<br>GENERAT | AFF<br>SCHARGED<br>ED TRIPS | <u>STA</u><br>TAXI / BL<br>GENERAT | <b>AFF</b><br>ACK CAR<br>ED TRIPS | <u>ST/</u><br>AMBU<br>GENERAT | <b>AFF</b><br>ILETTE<br>ED TRIPS | <u>ST/</u><br>SUB <sup>\</sup><br>GENERAT | <b>AFF</b><br>WAY<br>TED TRIPS | <u>ST/</u><br>Bl<br>GENERAT | <b>AFF</b><br>JS<br>TED TRIPS | <u>ST/</u><br>WA<br>GENERAT | <b>AFF</b><br>ALK<br>ED TRIPS | <u>ST/</u><br>TO <sup>-</sup><br>GENERAT | <b>AFF</b><br>TAL<br>TED TRIPS |
|---------------------|---------------------------------|----------------------------------|-------------------------------------|-----------------------------|------------------------------------|-----------------------------------|-------------------------------|----------------------------------|---|--------------------------------|-----------------------------|-------------------------------|-----------------------------|-------------------------------|--|--------------------------------|
|                     | In                              | Out                              | In                                  | Out                         | In                                 | Out                               | In                            | Out                              | In  | Out                            | In                          | Out                           | In                          | Out                           | In                                       | Out                            |
| 12:00 AM - 1:00 AM  | 0                               | 0                                | 0                                   | 0                           | 0                                  | 0                                 | 0                             | 0                                | 0   | 0                              | 0                           | 0                             | 0                           | 0                             | 0  | 0                              |
| 1:00 AM – 2:00 AM   | 0                               | 0                                | 0                                   | 0                           | 0                                  | 0                                 | 0                             | 0                                | 0   | 0                              | 0                           | 0                             | 0                           | 0                             | 0  | 0                              |
| 2:00 AM - 3:00 AM   | 0                               | 0                                | 0                                   | 0                           | 0                                  | 0                                 | 0                             | 0                                | 0   | 0                              | 0                           | 0                             | 0                           | 0                             | 0  | 0                              |
| 3:00 AM – 4:00 AM   | 0                               | 0                                | 0                                   | 0                           | 0                                  | 0                                 | 0                             | 0                                | 0   | 0                              | 0                           | 0                             | 0                           | 0                             | 0  | 0                              |
| 4:00 AM – 5:00 AM   | 0                               | 0                                | 0                                   | 0                           | 0                                  | 0                                 | 0                             | 0                                | 0   | 0                              | 0                           | 0                             | 0                           | 0                             | 0  | 0                              |
| 5:00 AM – 6:00 AM   | 0                               | 0                                | 0                                   | 0                           | 0                                  | 0                                 | 0                             | 0                                | 0   | 0                              | 0                           | 0                             | 0                           | 0                             | 0  | 0                              |
| 6:00 AM – 7:00 AM   | 0                               | 0                                | 0                                   | 0                           | 0                                  | 0                                 | 0                             | 0                                | 0   | 0                              | 0                           | 0                             | 0                           | 0                             | 0  | 0                              |
| 7:00 AM – 8:00 AM   | 1                               | 0                                | 0                                   | 0                           | 0                                  | 0                                 | 0                             | 0                                | 0   | 0                              | 0                           | 0                             | 0                           | 0                             | 1  | 0                              |
| 8:00 AM – 9:00 AM   | 7                               | 0                                | 4                                   | 0                           | 0                                  | 0                                 | 0                             | 0                                | 0   | 0                              | 0                           | 0                             | 0                           | 0                             | 11                                       | 0                              |
| 9:00 AM – 10:00 AM  | 9                               | 0                                | 3                                   | 0                           | 1                                  | 0                                 | 0                             | 0                                | 3   | 0                              | 7                           | 0                             | 7                           | 0                             | 29                                       | 0                              |
| 10:00 AM - 11:00 AM | 3                               | 0                                | 1                                   | 0                           | 0                                  | 0                                 | 0                             | 0                                | 1   | 0                              | 1                           | 0                             | 0                           | 0                             | 7  | 0                              |
| 11:00 AM - 12:00 PM | 1                               | 0                                | 0                                   | 0                           | 0                                  | 0                                 | 0                             | 0                                | 0   | 0                              | 0                           | 0                             | 0                           | 0                             | 1  | 0                              |
| 12:00 PM - 1:00 PM  | 0                               | 0                                | 0                                   | 0                           | 0                                  | 0                                 | 0                             | 0                                | 0   | 0                              | 0                           | 0                             | 0                           | 0                             | 0  | 0                              |
| 1:00 PM - 2:00 PM   | 0                               | 0                                | 0                                   | 0                           | 0                                  | 0                                 | 0                             | 0                                | 0   | 0                              | 0                           | 0                             | 0                           | 0                             | 0  | 0                              |
| 2:00 PM – 3:00 PM   | 0                               | 1                                | 0                                   | 0                           | 1                                  | 0                                 | 0                             | 0                                | 0   | 0                              | 0                           | 0                             | 0                           | 0                             | 1  | 1                              |
| 3:00 PM – 4:00 PM   | 0                               | 1                                | 0                                   | 0                           | 0                                  | 0                                 | 0                             | 0                                | 0   | 0                              | 0                           | 0                             | 0                           | 0                             | 0  | 1                              |
| 4:00 PM – 5:00 PM   | 0                               | 0                                | 0                                   | 1                           | 0                                  | 0                                 | 0                             | 0                                | 0   | 0                              | 0                           | 0                             | 0                           | 0                             | 0  | 1                              |
| 5:00 PM – 6:00 PM   | 0                               | 1                                | 0                                   | 3                           | 0                                  | 0                                 | 0                             | 0                                | 0   | 0                              | 0                           | 0                             | 0                           | 0                             | 0  | 4                              |
| 6:00 PM – 7:00 PM   | 0                               | 7                                | 0                                   | 0                           | 0                                  | 0                                 | 0                             | 0                                | 0   | 0                              | 0                           | 4                             | 0                           | 1                             | 0  | 12                             |
| 7:00 PM – 8:00 PM   | 0                               | 9                                | 0                                   | 3                           | 0                                  | 1                                 | 0                             | 0                                | 0   | 4                              | 0                           | 4                             | 0                           | 4                             | 0  | 25                             |
| 8:00 PM – 9:00 PM   | 0                               | 0                                | 0                                   | 1                           | 0                                  | 0                                 | 0                             | 0                                | 0   | 0                              | 0                           | 0                             | 0                           | 1                             | 0  | 3                              |
| 9:00 PM - 10:00 PM  | 0                               | 1                                | 0                                   | 0                           | 0                                  | 0                                 | 0                             | 0                                | 0   | 0                              | 0                           | 0                             | 0                           | 0                             | 0  | 1                              |
| 10:00 PM - 11:00 PM | 0                               | 0                                | 0                                   | 0                           | 0                                  | 1                                 | 0                             | 0                                | 0   | 0                              | 0                           | 0                             | 0                           | 0                             | 0  | 1                              |
| 11:00 PM - 12:00 AM | 0                               | 0                                | 0                                   | 0                           | 0                                  | 0                                 | 0                             | 0                                | 0   | 0                              | 0                           | 0                             | 0                           | 0                             | 0  | 0                              |
|                     | 21                              | 21                               | 8                                   | 8                           | 3                                  | 3                                 | 0                             | 0                                | 4   | 4                              | 8                           | 8                             | 7                           | 7                             | 50                                       | 50                             |

 Table 3E

 Staff Person Trip Accumulation (OB/GYN Office)

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## Reference: 5402 Fort Hamilton Parkway EAS – Transportation Screening Analyses & Proposed Travel Demand Factors

|                     | 1       |           |           |           |           |           |         |           |         |           |         | (         |         |           |           |           | 24-HR PERSON TRI | P ACCUMULATION |
|---------------------|---------|-----------|-----------|-----------|-----------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|-----------|-----------|------------------|----------------|
|                     | PATIENT | AND STAFF | PATIENT   | AND STAFF | PATIENT A | ND STAFF  | PATIENT | AND STAFF | PATIENT | AND STAFF | PATIENT | ND STAFF  | PATIENT | ND STAFF  | PATIENT A | AND STAFF | (ALL             | TRIPS)         |
|                     | AUTO -  | PARKED    | AUTO - DI | SCHARGED  | TAXI / BL | ACK CAR   | AMBL    | JLETTE    | SUB     | WAY       | В       | US        | W       | ALK       | TO        | TAL       |                  |                |
| TIME PERIOD         | GENERA  | TED TRIPS | GENERA    | TED TRIPS | GENERAT   | TED TRIPS | GENERA  | TED TRIPS | GENERAT | TED TRIPS | GENERA  | TED TRIPS | GENERA  | TED TRIPS | GENERAT   | TED TRIPS |                  |                |
|                     |         |           | -         |           |           |           |         |           | -       |           |         |           |         |           |           | -         | Hourly Entries   | Accumulation   |
|                     | In      | Out       | In        | Out       | In        | Out       | In      | Out       | In      | Out       | In      | Out       | In      | Out       | In        | Out       |                  |                |
| 12:00 AM - 1:00 AM  | 0       | 0         | 0         | 0         | 0         | 0         | 0       | 0         | 0       | 0         | 0       | 0         | 0       | 0         | 0         | 0         | 0                | 0              |
| 1:00 AM - 2:00 AM   | 0       | 0         | 0         | 0         | 0         | 0         | 0       | 0         | 0       | 0         | 0       | 0         | 0       | 0         | 0         | 0         | 0                | 0              |
| 2:00 AM - 3:00 AM   | 0       | 0         | 0         | 0         | 0         | 0         | 0       | 0         | 0       | 0         | 0       | 0         | 0       | 0         | 0         | 0         | 0                | 0              |
| 3:00 AM - 4:00 AM   | 0       | 0         | 0         | 0         | 0         | 0         | 0       | 0         | 0       | 0         | 0       | 0         | 0       | 0         | 0         | 0         | 0                | 0              |
| 4:00 AM - 5:00 AM   | 0       | 0         | 0         | 0         | 0         | 0         | 0       | 0         | 0       | 0         | 0       | 0         | 0       | 0         | 0         | 0         | 0                | 0              |
| 5:00 AM - 6:00 AM   | 0       | 0         | 0         | 0         | 0         | 0         | 0       | 0         | 0       | 0         | 0       | 0         | 0       | 0         | 0         | 0         | 0                | 0              |
| 6:00 AM - 7:00 AM   | 0       | 0         | 0         | 0         | 0         | 0         | 0       | 0         | 0       | 0         | 0       | 0         | 0       | 0         | 0         | 0         | 0                | 0              |
| 7:00 AM - 8:00 AM   | 1       | 0         | 0         | 0         | 0         | 0         | 0       | 0         | 0       | 0         | 0       | 0         | 0       | 0         | 1         | 0         | 1                | 1              |
| 8:00 AM - 9:00 AM   | 7       | 0         | 4         | 0         | 0         | 0         | 0       | 0         | 0       | 0         | 0       | 0         | 0       | 0         | 11        | 0         | 11               | 12             |
| 9:00 AM - 10:00 AM  | 9       | 0         | 3         | 0         | 1         | 0         | 0       | 0         | 3       | 0         | 7       | 0         | 7       | 0         | 29        | 0         | 29               | 41             |
| 10:00 AM - 11:00 AM | 3       | 0         | 1         | 0         | 0         | 0         | 0       | 0         | 1       | 0         | 1       | 0         | 0       | 0         | 7         | 0         | 7                | 47             |
| 11:00 AM - 12:00 PM | 6       | 0         | 8         | 0         | 2         | 0         | 2       | 0         | 0       | 0         | 4       | 0         | 6       | 0         | 29        | 0         | 29               | 76             |
| 12:00 PM - 1:00 PM  | 23      | 2         | 6         | 6         | 6         | 2         | 0       | 2         | 2       | 0         | 0       | 4         | 6       | 2         | 44        | 19        | 25               | 101            |
| 1:00 PM - 2:00 PM   | 6       | 15        | 2         | 8         | 0         | 6         | 0       | 0         | 0       | 2         | 2       | 0         | 4       | 8         | 15        | 40        | -25              | 76             |
| 2:00 PM - 3:00 PM   | 0       | 18        | 0         | 2         | 1         | 0         | 0       | 0         | 0       | 0         | 0       | 0         | 0       | 6         | 1         | 27        | -25              | 51             |
| 3:00 PM - 4:00 PM   | 13      | 1         | 4         | 0         | 0         | 0         | 0       | 0         | 0       | 0         | 0       | 2         | 11      | 0         | 27        | 3         | 24               | 75             |
| 4:00 PM - 5:00 PM   | 11      | 8         | 6         | 6         | 2         | 0         | 0       | 0         | 2       | 0         | 2       | 0         | 2       | 2         | 25        | 16        | 9                | 84             |
| 5:00 PM - 6:00 PM   | 19      | 12        | 15        | 7         | 4         | 2         | 0       | 0         | 4       | 2         | 0       | 2         | 6       | 11        | 48        | 36        | 13               | 97             |
| 6:00 PM - 7:00 PM   | 8       | 19        | 2         | 11        | 0         | 4         | 0       | 0         | 0       | 2         | 0       | 4         | 0       | 6         | 11        | 46        | -35              | 62             |
| 7:00 PM - 8:00 PM   | 0       | 26        | 0         | 9         | 0         | 1         | 0       | 0         | 0       | 6         | 0       | 4         | 0       | 6         | 0         | 52        | -52              | 9              |
| 8:00 PM - 9:00 PM   | 0       | 2         | 0         | 3         | 0         | 0         | 0       | 0         | 0       | 0         | 0       | 0         | 0       | 1         | 0         | 7         | -7               | 3              |
| 9:00 PM - 10:00 PM  | 0       | 1         | 0         | 0         | 0         | 0         | 0       | 0         | 0       | 0         | 0       | 0         | 0       | 0         | 0         | 1         | -1               | 1              |
| 10:00 PM - 11:00 PM | 0       | 0         | 0         | 0         | 0         | 1         | 0       | 0         | 0       | 0         | 0       | 0         | 0       | 0         | 0         | 1         | -1               | 0              |
| 11:00 PM - 12:00 AM | 0       | 0         | 0         | 0         | 0         | 0         | 0       | 0         | 0       | 0         | 0       | 0         | 0       | 0         | 0         | 0         | 0                | 0              |
|                     | 105     | 105       | 52        | 52        | 17        | 17        | 2       | 2         | 12      | 12        | 16      | 16        | 42      | 42        | 248       | 248       |                  |                |

Table 3F Total (Patient & Staff) Person Trip Accumulation (OB/GYN Office)

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#### Reference: 5402 Fort Hamilton Parkway EAS – Transportation Screening Analyses & Proposed Travel Demand Factors

Tables 4A and 4B present a summary of the person trips made by patients and staff by mode during the AM (9-10 AM), Midday (12-1 PM), and PM (5-6 PM) peak hours and for the 24-hour period:

- During the 9-10 AM Peak hour, a total of 74 trips were made at the surveyed facilities (over 85 percent of these trips were entering the facilities). Approximately 55 percent of these trips were made by staff arriving at work.
- During the 12-1 PM midday peak hour, a total of 104 person trips were made, all by patients.
- During the 5-6 PM evening peak hour, 126 trips were made, approximately 75 percent by patients.
- Through the course of a 24-hour period, 962 trips were made, with approximately 82 percent made by patients.

|          |           | - P        |             | , - |             |         | , -     |       | 57 -   |     | -   |    |     |     |     |     |     |
|----------|-----------|------------|-------------|-----|-------------|---------|---------|-------|--------|-----|-----|----|-----|-----|-----|-----|-----|
| Existing | Peak Hour | Au<br>Solf | ito<br>nark | AL  | uto<br>noff | Tavi/ B | ack Car | ۸mbi  | ilatta | Sub | Waw | B  | IC  | \M/ | əlk | То  | tal |
| LAISTING | reak noui | Jen        | ратк        | DIO | pon         |         | ack car | AIIID | liette | Jub | way | D  |     |     |     | 10  |     |
|          |           | In         | Out         | In  | Out         | In      | Out     | In    | Out    | In  | Out | In | Out | In  | Out | In  | Out |
|          |           |            |             |     |             |         |         |       |        |     |     |    |     |     |     |     |     |
| Patient  | AM        | 11         | 0           | 3   | 1           | 0       | 3       | 2     | 1      | 0   | 0   | 5  | 3   | 1   | 1   | 22  | 10  |
| Staff    | AM        | 6          | 0           | 1   | 0           | 0       | 0       | 0     | 0      | 3   | 0   | 3  | 0   | 0   | 0   | 13  | 0   |
| Total    | AM        | 17         | 0           | 4   | 1           | 0       | 3       | 2     | 1      | 3   | 0   | 8  | 3   | 1   | 1   | 35  | 10  |
|          |           |            |             |     |             |         |         |       |        |     |     |    |     |     |     |     |     |
|          |           |            |             |     |             |         |         |       |        |     |     |    |     |     |     |     |     |
| Patient  | MD        | 5          | 8           | 2   | 5           | 0       | 0       | 8     | 4      | 0   | 0   | 3  | 2   | 2   | 1   | 20  | 21  |
| Staff    | MD        | 0          | 0           | 0   | 0           | 0       | 0       | 0     | 0      | 0   | 0   | 0  | 0   | 0   | 0   | 0   | 0   |
| Total    | MD        | 5          | 8           | 2   | 5           | 0       | 0       | 8     | 4      | 0   | 0   | 3  | 2   | 2   | 1   | 20  | 21  |
|          |           |            |             |     |             |         |         |       |        |     |     |    |     |     |     |     |     |
| Patient  | PM        | 1          | 2           | 2   | 0           | 0       | 1       | 0     | 0      | 0   | 0   | 6  | 2   | 0   | 2   | 9   | 7   |
| Staff    | PM        | 0          | 11          | 0   | 1           | 0       | 0       | 0     | 0      | 0   | 8   | 0  | 5   | 0   | 1   | 0   | 26  |
| Total    | PM        | 1          | 13          | 2   | 1           | 0       | 1       | 0     | 0      | 0   | 8   | 6  | 7   | 0   | 3   | 9   | 33  |
|          |           |            |             |     |             |         |         |       |        |     |     |    |     |     |     |     |     |
| Patient  | 24 HOUR   | 55         | 55          | 31  | 31          | 13      | 13      | 32    | 32     | 6   | 6   | 38 | 38  | 20  | 20  | 194 | 194 |
| Staff    | 24 HOUR   | 19         | 19          | 2   | 2           | 0       | 0       | 0     | 0      | 10  | 10  | 5  | 5   | 3   | 3   | 39  | 39  |
| Total    | 24 HOUR   | 74         | 74          | 33  | 33          | 13      | 13      | 32    | 32     | 16  | 16  | 43 | 43  | 23  | 23  | 233 | 233 |

 Table 4A

 April 21, 2010 Survey, Cardiology Office Person Trips

Note: Numbers may not directly add up due to rounding.

 Table 4B

 April 21, 2010 Survey, OB/GYN Office Person Trips

|          |           | Au   | ito  | Au  | uto  |         |         |      |        |     |     |    |     |    |     |     |     |
|----------|-----------|------|------|-----|------|---------|---------|------|--------|-----|-----|----|-----|----|-----|-----|-----|
| Existing | Peak Hour | Self | park | Dro | poff | Taxi/ B | ack Car | Ambu | ulette | Sub | way | В  | us  | W  | alk | То  | tal |
|          |           |      |      |     | :    |         |         |      |        |     | :   |    |     |    |     |     |     |
|          |           | In   | Out  | In  | Out  | In      | Out     | In   | Out    | In  | Out | In | Out | In | Out | In  | Out |
|          |           |      |      |     |      |         |         |      |        |     |     |    |     |    |     |     |     |
| Patient  | AM        | 0    | 0    | 0   | 0    | 0       | 0       | 0    | 0      | 0   | 0   | 0  | 0   | 0  | 0   | 0   | 0   |
| Staff    | AM        | 9    | 0    | 3   | 0    | 1       | 0       | 0    | 0      | 3   | 0   | 7  | 0   | 7  | 0   | 29  | 0   |
| Total    | AM        | 9    | 0    | 3   | 0    | 1       | 0       | 0    | 0      | 3   | 0   | 7  | 0   | 7  | 0   | 29  | 0   |
|          |           |      |      |     |      |         |         |      |        |     |     |    |     |    |     |     |     |
|          |           |      |      |     |      |         |         |      |        |     |     |    |     |    |     |     |     |
| Patient  | MD        | 23   | 2    | 6   | 6    | 6       | 2       | 0    | 2      | 2   | 0   | 0  | 4   | 6  | 2   | 44  | 19  |
| Staff    | MD        | 0    | 0    | 0   | 0    | 0       | 0       | 0    | 0      | 0   | 0   | 0  | 0   | 0  | 0   | 0   | 0   |
| Total    | MD        | 23   | 2    | 6   | 6    | 6       | 2       | 0    | 2      | 2   | 0   | 0  | 4   | 6  | 2   | 44  | 19  |
|          |           |      |      |     | ĺ    |         |         |      |        |     | ĺ   |    |     |    |     |     |     |
| Patient  | PM        | 19   | 11   | 15  | 4    | 4       | 2       | 0    | 0      | 4   | 2   | 0  | 2   | 6  | 11  | 48  | 32  |
| Staff    | PM        | 0    | 1    | 0   | 3    | 0       | 0       | 0    | 0      | 0   | 0   | 0  | 0   | 0  | 0   | 0   | 4   |
| Total    | PM        | 19   | 12   | 15  | 7    | 4       | 2       | 0    | 0      | 4   | 2   | 0  | 2   | 6  | 11  | 48  | 36  |
|          |           |      |      |     |      |         |         |      |        |     |     |    |     |    |     |     |     |
| Patient  | 24 HOUR   | 84   | 84   | 44  | 44   | 15      | 15      | 2    | 2      | 8   | 8   | 8  | 8   | 36 | 36  | 198 | 198 |
| Staff    | 24 HOUR   | 21   | 21   | 8   | 8    | 3       | 3       | 0    | 0      | 4   | 4   | 8  | 8   | 7  | 7   | 50  | 50  |
| Total    | 24 HOUR   | 105  | 105  | 52  | 52   | 17      | 17      | 2    | 2      | 12  | 12  | 16 | 16  | 42 | 42  | 248 | 248 |

Note: Numbers may not directly add up due to rounding.

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#### Reference: 5402 Fort Hamilton Parkway EAS – Transportation Screening Analyses & Proposed Travel Demand Factors

Tables 5A and 5B show the number of person trips generated per 1,000 square feet (ksf) by the medical facilities surveyed (27,400 square feet in all) for all modes and for auto based modes.

|         | Total        |               |             |               |
|---------|--------------|---------------|-------------|---------------|
| Period  | Person Trips | Trips per ksf | Auto Trips  | Trips per ksf |
| AM      | 44           | 2.4           | 29          | 1.6           |
| MD      | 41           | 2.2           | 32          | 1.7           |
| PM      | 42           | 2.3           | 19          | 1.0           |
| 24 HOUR | 466          | 25.5          | 303         | 16.5          |
| ST      | AFF AND PATI | ENT TRIP GEN  | ERATION RAT | ES            |
|         | Total        |               |             |               |
| Period  | Person Trips | Trips per ksf | Auto Trips  | Trips per ksf |
| PATIENT | 388          | 21.2          | 261         | 14.2          |
| STAFF   | 78           | 4.3           | 42          | 2.3           |

 Table 5A

 April 21, 2010 Survey, Cardiology Office Trips and Trip Generation Rate

|                |         | ٦             | able 5E | 3       |         |                   |         |
|----------------|---------|---------------|---------|---------|---------|-------------------|---------|
| April 21, 2010 | Survey, | <b>OB/GYN</b> | Office  | Trips a | nd Trip | <u>Generation</u> | on Rate |

|         | Total        |               |              |               |
|---------|--------------|---------------|--------------|---------------|
| Period  | Person Trips | Trips per ksf | Auto Trips   | Trips per ksf |
| AM      | 29           | 3.2           | 13           | 1.4           |
| MD      | 63           | 6.9           | 48           | 5.3           |
| PM      | 84           | 9.2           | 59           | 6.5           |
| 24 HOUR | 496          | 54.5          | 354          | 38.9          |
| ST      | AFF AND PATI | ENT TRIP GEN  | IERATION RAT | ES            |
|         | Total        |               |              |               |
| Period  | Person Trips | Trips per ksf | Auto Trips   | Trips per ksf |
| PATIENT | 396          | 43.5          | 291          | 31.9          |
| STAFF   | 100          | 11.0          | 63           | 6.9           |

## Mode Split

The mode split distribution for patients and staff is presented in Tables 6A and 6B. For all surveyed offices, approximately 55 percent of patients arrived by auto and either parked their cars or were dropped-off in front of the facility. Approximately 15 percent used taxis, black cars, or ambulette services, for a total of approximately 70 percent arriving by some form of auto transport. Walk, bus, and subway trips accounted for the remaining percentage of patient trips.

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#### Reference: 5402 Fort Hamilton Parkway EAS – Transportation Screening Analyses & Proposed **Travel Demand Factors**

|         |                 |       |       | I avi  | e oa |       |      |       |      |         |
|---------|-----------------|-------|-------|--------|------|-------|------|-------|------|---------|
| April 2 | 1, 2010 Si      | urvey | , Pat | ient N | lode | Split | (Car | diolo | gy O | ffices) |
|         |                 |       |       |        |      |       |      | 24 H  | OUR  |         |
|         | Patients        | A     | М     | N      | ID   | Р     | М    | TO    | TAL  |         |
|         | (Raw #'s)       | IN    | OUT   | IN     | OUT  | IN    | OUT  | IN    | OUT  |         |
|         | Auto            | 14    | 1     | 7      | 13   | 3     | 2    | 85    | 85   |         |
|         | Parked          | 11    | 0     | 5      | 8    | 1     | 2    | 55    | 55   |         |
|         | Discharged      | 3     | 1     | 2      | 5    | 2     | 0    | 31    | 31   |         |
|         | Taxi/ Black Car | 0     | 3     | 0      | 0    | 0     | 1    | 13    | 13   |         |
|         | Ambulette       | 2     | 1     | 8      | 4    | 0     | 0    | 32    | 32   |         |
|         | Subway          | 0     | 0     | 0      | 0    | 0     | 0    | 6     | 6    |         |
|         | Bus             | 5     | 3     | 3      | 2    | 6     | 2    | 38    | 38   |         |
|         | Walk            | 1     | 1     | 2      | 1    | 0     | 2    | 20    | 20   |         |
|         | Total           | 22    | 10    | 20     | 21   | 9     | 7    | 194   | 194  | 1       |

Table 6A

|                 |     |     |     |     |     |      | 24 H | OUR |
|-----------------|-----|-----|-----|-----|-----|------|------|-----|
| % Distribution  | A   | М   | M   | D   | P   | м    | TO   | TAL |
|                 | IN  | OUT | IN  | OUT | IN  | OUT  | IN   | OUT |
| Auto            | 65% | -   | 34% | 63% | 37% | 31%  | 44%  | 44% |
| Parked          | 77% | -   | 67% | 59% | 33% | 100% | 64%  | 64% |
| Discharged      | 23% | -   | 33% | 41% | 67% | 0%   | 36%  | 36% |
| Taxi/ Black Car | 0%  | -   | 0%  | 0%  | 0%  | 16%  | 6%   | 6%  |
| Ambulette       | 10% | -   | 39% | 21% | 0%  | 0%   | 17%  | 17% |
| Subway          | 0%  | -   | 0%  | 0%  | 0%  | 0%   | 3%   | 3%  |
| Bus             | 21% | -   | 17% | 11% | 63% | 31%  | 19%  | 19% |
| Walk            | 5%  | -   | 11% | 5%  | 0%  | 22%  | 10%  | 10% |
|                 |     |     |     |     |     |      |      |     |

Note: Numbers may not directly add up due to rounding.

| I 21, 2010      | Surv | ey, P | atien | t Moo | de Sp | lit (O | B/GY | 'N Of |
|-----------------|------|-------|-------|-------|-------|--------|------|-------|
|                 |      |       |       |       |       |        | 24 H | OUR   |
| Patients        | A    | М     | N     | 1D    | Р     | М      | TO   | TAL   |
| (Raw #'s)       | IN   | OUT   | IN    | OUT   | IN    | OUT    | IN   | OUT   |
| Auto            | 0    | 0     | 29    | 8     | 34    | 15     | 128  | 128   |
| Parked          | 0    | 0     | 23    | 2     | 19    | 11     | 84   | 84    |
| Discharged      | 0    | 0     | 6     | 6     | 15    | 4      | 44   | 44    |
| Taxi/ Black Car | 0    | 0     | 6     | 2     | 4     | 2      | 15   | 15    |
| Ambulette       | 0    | 0     | 0     | 2     | 0     | 0      | 2    | 2     |
| Subway          | 0    | 0     | 2     | 0     | 4     | 2      | 8    | 8     |
| Bus             | 0    | 0     | 0     | 4     | 0     | 2      | 8    | 8     |
| Walk            | 0    | 0     | 6     | 2     | 6     | 11     | 36   | 36    |

19

48

32

198

198

|   | Tab | le | 6B |  |
|---|-----|----|----|--|
| _ |     |    |    |  |

|                 |    |     |     |     |     |     | 24 H | OUR |
|-----------------|----|-----|-----|-----|-----|-----|------|-----|
| % Distribution  | A  | М   | M   | ID  | P   | м   | TO   | TAL |
|                 | IN | OUT | IN  | OUT | IN  | OUT | IN   | OUT |
| Auto            | -  | -   | 67% | 44% | 70% | 47% | 65%  | 65% |
| Parked          | -  | -   | 79% | 25% | 56% | 71% | 66%  | 66% |
| Discharged      | -  | -   | 21% | 75% | 44% | 29% | 34%  | 34% |
| Taxi/ Black Car | -  | -   | 14% | 11% | 9%  | 7%  | 7%   | 7%  |
| Ambulette       | 1  | -   | 0%  | 11% | 0%  | 0%  | 1%   | 1%  |
| Subway          | -  | -   | 5%  | 0%  | 9%  | 7%  | 4%   | 4%  |
| Bus             | -  | -   | 0%  | 22% | 0%  | 7%  | 4%   | 4%  |
| Walk            | -  | -   | 14% | 11% | 13% | 33% | 18%  | 18% |

#### April 2 ffice)

Note: Numbers may not directly add up due to rounding.

0

0

44

Total

The mode split distribution for staff is presented in Tables 7A and 7B. For all surveyed offices, over 50 percent of staff trips were made by auto with staff either parking their vehicles or being dropped-off at the medical facility. Mass transit (bus or subway) accounts for over 25 percent of staff trips at all medical facilities.

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| April 2 | 21, 2010 S      | Surve | y, Sta | aff M | ode S | Split ( | Card | iolog | y Off | fices) |
|---------|-----------------|-------|--------|-------|-------|---------|------|-------|-------|--------|
|         | Staff           |       |        |       |       |         |      | 24 H  | OUR   |        |
|         | (Raw #'s)       | A     | М      | N     | 1D    | Р       | М    | TO    |       |        |
|         |                 | IN    | OUT    | IN    | OUT   | IN      | OUT  | IN    | OUT   |        |
|         | Auto            | 7     | 0      | 0     | 0     | 0       | 12   | 21    | 21    |        |
|         | Parked          | 6     | 0      | 0     | 0     | 0       | 11   | 19    | 19    |        |
|         | Discharged      | 1     | 0      | 0     | 0     | 0       | 1    | 2     | 2     |        |
|         | Taxi/ Black Car | 0     | 0      | 0     | 0     | 0       | 0    | 0     | 0     |        |
|         | Ambulette       | 0     | 0      | 0     | 0     | 0       | 0    | 0     | 0     |        |
|         | Subway          | 3     | 0      | 0     | 0     | 0       | 8    | 10    | 10    |        |
|         | Bus             | 3     | 0      | 0     | 0     | 0       | 5    | 5     | 5     |        |
|         | Walk            | 0     | 0      | 0     | 0     | 0       | 1    | 3     | 3     |        |
|         | Total           | 13    | 0      | 0     | 0     | 0       | 26   | 39    | 39    |        |

Table 7A

|                 |     |     |    |     |    |     | 24 HOUR |     |
|-----------------|-----|-----|----|-----|----|-----|---------|-----|
| % Distribution  | A   | М   | N  | ID  | Р  | М   | TO      | TAL |
|                 | IN  | OUT | IN | OUT | IN | OUT | IN      | OUT |
| Auto            | 54% | -   | -  | -   | -  | 46% | 54%     | 54% |
| Parked          | 46% | -   | -  | -   | -  | 42% | 49%     | 49% |
| Discharged      | 8%  | -   | -  | -   | -  | 4%  | 5%      | 5%  |
| Taxi/ Black Car | 0%  | -   | -  | -   | -  | 0%  | 0%      | 0%  |
| Ambulette       | 0%  | -   | -  | -   | -  | 0%  | 0%      | 0%  |
| Subway          | 23% | -   | -  | -   | -  | 31% | 26%     | 26% |
| Bus             | 23% | -   | -  | -   | -  | 19% | 13%     | 13% |
| Walk            | 0%  | -   | -  | -   | -  | 4%  | 8%      | 8%  |

Table 7B

Note: Numbers may not directly add up due to rounding.

| Apr | il 21, 2010     | ) Sur | vey, S | Staff | Mode | e Spli | it (OE | B/GYI | N Offi | ce) |  |  |  |
|-----|-----------------|-------|--------|-------|------|--------|--------|-------|--------|-----|--|--|--|
|     | Staff           |       |        |       |      |        |        | 24 H  | OUR    |     |  |  |  |
|     | (Raw #'s)       | A     | М      | N     | 1D   | Р      | М      | TO    | TAL    |     |  |  |  |
|     |                 | IN    | OUT    | IN    | OUT  | IN     | OUT    | IN    | OUT    |     |  |  |  |
|     | Auto            | 12    | 0      | 0     | 0    | 0      | 4      | 29    | 29     |     |  |  |  |
|     | Parked          | 9     | 0      | 0     | 0    | 0      | 1      | 21    | 21     |     |  |  |  |
|     | Discharged      | 3     | 0      | 0     | 0    | 0      | 3      | 8     | 8      |     |  |  |  |
|     | Taxi/ Black Car | 1     | 0      | 0     | 0    | 0      | 0      | 3     | 3      |     |  |  |  |
|     | Ambulette       | 0     | 0      | 0     | 0    | 0      | 0      | 0     | 0      |     |  |  |  |
|     | Subway          | 3     | 0      | 0     | 0    | 0      | 0      | 4     | 4      |     |  |  |  |
|     | Bus             | 7     | 0      | 0     | 0    | 0      | 0      | 8     | 8      |     |  |  |  |
|     | Walk            | 7     | 0      | 0     | 0    | 0      | 0      | 7     | 7      |     |  |  |  |
|     | Total           | 29    | 0      | 0     | 0    | 0      | 4      | 50    | 50     |     |  |  |  |

|                 |     |     |    |     |    |      | 24 H | OUR |
|-----------------|-----|-----|----|-----|----|------|------|-----|
| % Distribution  | AM  |     | N  | 1D  | Р  | М    | TO   | TAL |
|                 | IN  | OUT | IN | OUT | IN | OUT  | IN   | OUT |
| Auto            | 41% | -   | -  | -   | -  | 100% | 58%  | 58% |
| Discharged      | 32% | -   | -  | -   | -  | 33%  | 42%  | 42% |
| Parked          | 9%  | -   | 1  | -   | 1  | 67%  | 16%  | 16% |
| Taxi/ Black Car | 5%  | -   | 1  | -   | 1  | 0%   | 5%   | 5%  |
| Ambulette       | 0%  | -   | 1  | -   | 1  | 0%   | 0%   | 0%  |
| Subway          | 9%  | -   | 1  | -   | 1  | 0%   | 8%   | 8%  |
| Bus             | 23% | -   | 1  | -   | 1  | 0%   | 16%  | 16% |
| Walk            | 23% | -   | -  | -   | -  | 0%   | 13%  | 13% |

Note: Numbers may not directly add up due to rounding.

## **Temporal Distribution**

Tables 8A and 8B present temporal distribution data for the cardiology and OB/GYN facilities. For all facilities, staff entries are concentrated during the AM peak hour, and exits during the PM peak hour. No staff entries or exits were recorded during the midday peak hour. Few patient entries were recorded during the AM peak hour and approximately 10 percent of patient exits occur during the MD and PM peak hours.

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#### Reference: 5402 Fort Hamilton Parkway EAS – Transportation Screening Analyses & Proposed Travel Demand Factors

| Existing | Peak Hour | То  | tal | % of | Day  |
|----------|-----------|-----|-----|------|------|
|          |           | In  | Out | In   | Out  |
| Patient  | AM        | 22  | 10  | 11%  | 5%   |
| Staff    | AM        | 13  | 0   | 33%  | 0%   |
| Total    | AM        | 35  | 10  | 15%  | 4%   |
|          |           |     |     |      |      |
|          |           |     |     |      |      |
| Patient  | MD        | 20  | 21  | 10%  | 11%  |
| Staff    | MD        | 0   | 0   | 0%   | 0%   |
| Total    | MD        | 20  | 21  | 9%   | 9%   |
|          |           |     |     |      |      |
| Patient  | PM        | 9   | 7   | 5%   | 4%   |
| Staff    | PM        | 0   | 26  | 0%   | 67%  |
| Total    | PM        | 9   | 33  | 4%   | 14%  |
|          |           |     |     |      |      |
| Patient  | 24 HOUR   | 194 | 194 | 100% | 100% |
| Staff    | 24 HOUR   | 39  | 39  | 100% | 100% |
| Total    | 24 HOUR   | 233 | 233 | 100% | 100% |

## Table 8A April 21, 2010 Survey, Temporal Distribution (Cardiology Offices)

|                |         | ٦       | Table 8B     |           |        |         |
|----------------|---------|---------|--------------|-----------|--------|---------|
| April 21, 2010 | ) Surve | ey, Tem | poral Distri | ibution ( | OB/GYN | Office) |
|                |         |         |              |           |        |         |

| Existing | Peak Hour | То  | tal | % of | Day  |
|----------|-----------|-----|-----|------|------|
|          |           | In  | Out | In   | Out  |
| Patient  | AM        | 0   | 0   | 0%   | 0%   |
| Staff    | AM        | 29  | 0   | 58%  | 0%   |
| Total    | AM        | 29  | 0   | 12%  | 0%   |
|          |           |     |     |      |      |
|          |           |     |     |      |      |
| Patient  | MD        | 44  | 19  | 22%  | 10%  |
| Staff    | MD        | 0   | 0   | 0%   | 0%   |
| Total    | MD        | 44  | 19  | 18%  | 8%   |
|          |           |     |     |      |      |
| Patient  | PM        | 48  | 32  | 24%  | 16%  |
| Staff    | PM        | 0   | 4   | 0%   | 8%   |
| Total    | PM        | 48  | 36  | 20%  | 14%  |
|          |           |     |     |      |      |
| Patient  | 24 HOUR   | 198 | 198 | 100% | 100% |
| Staff    | 24 HOUR   | 50  | 50  | 100% | 100% |
| Total    | 24 HOUR   | 248 | 248 | 100% | 100% |

## **Distribution of Auto Based Trips**

Auto based trips are summarized in Tables 9A and 9B. These data found that, for all surveyed facilities, approximately half of daily auto based patient trips self-park. Drop-off trips account for approximately 25 percent of trips. The remaining 25 percent of daily patient trips are made via taxi and ambulette. The majority of staff auto trips are self-parked, with a small percentage of staff trips are drop-off trips.

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## Reference: 5402 Fort Hamilton Parkway EAS – Transportation Screening Analyses & Proposed Travel Demand Factors

|         |           |      |      | · <b>,</b> |      | - 37 -  |         |      |        |       |      |
|---------|-----------|------|------|------------|------|---------|---------|------|--------|-------|------|
|         |           | Au   | ito  | Aι         | uto  |         |         |      |        |       |      |
| Trips   | Peak Hour | Self | park | Dro        | poff | Taxi/ B | ack Car | Ambu | ulette | Total | Auto |
|         |           | In   | Out  | In         | Out  | In      | Out     | In   | Out    | In    | Out  |
| Patient | AM        | 11   | 0    | 3          | 1    | 0       | 3       | 2    | 1      | 16    | 5    |
|         | MD        | 5    | 8    | 2          | 5    | 0       | 0       | 8    | 4      | 14    | 17   |
|         | PM        | 1    | 2    | 2          | 0    | 0       | 1       | 0    | 0      | 3     | 3    |
|         | 24 HOUR   | 55   | 55   | 31         | 31   | 13      | 13      | 32   | 32     | 130   | 130  |
|         |           |      |      |            |      |         |         |      |        |       |      |
| Staff   | AM        | 6    | 0    | 1          | 0    | 0       | 0       | 0    | 0      | 7     | 0    |
|         | MD        | 0    | 0    | 0          | 0    | 0       | 0       | 0    | 0      | 0     | 0    |
|         | PM        | 0    | 11   | 0          | 1    | 0       | 0       | 0    | 0      | 0     | 12   |
|         | 24 HOUR   | 19   | 19   | 2          | 2    | 0       | 0       | 0    | 0      | 21    | 21   |

## Table 9A April 21, 2010 Survey, Cardiology Office Auto Trips

| %            |           | AL   | ito  | AL  | Ito  |         |         |      |        |       |      |
|--------------|-----------|------|------|-----|------|---------|---------|------|--------|-------|------|
| Distribution | Peak Hour | Self | park | Dro | poff | Taxi/ B | ack Car | Ambu | ulette | Total | Auto |
|              |           | In   | Out  | In  | Out  | In      | Out     | In   | Out    | In    | Out  |
| Patient      | AM        | 66%  | -    | 20% | -    | 0%      | -       | 14%  | -      | 100%  | -    |
|              | MD        | 31%  | 45%  | 15% | 31%  | 0%      | 0%      | 54%  | 25%    | 100%  | 100% |
|              | PM        | 33%  | 66%  | 67% | 0%   | 0%      | 34%     | 0%   | 0%     | 100%  | 100% |
|              | 24 HOUR   | 42%  | 42%  | 24% | 24%  | 10%     | 10%     | 25%  | 25%    | 100%  | 100% |
|              |           |      |      |     |      |         |         |      |        |       |      |
| Staff        | AM        | 86%  | -    | 14% | -    | 0%      | -       | 0%   | -      | 100%  | -    |
|              | MD        | -    | -    | -   | -    | -       | -       | -    | -      | -     | -    |
|              | PM        | -    | 92%  | -   | 8%   | -       | 0%      | -    | 0%     | -     | 100% |
|              | 24 HOUR   | 90%  | 90%  | 10% | 10%  | 0%      | 0%      | 0%   | 0%     | 100%  | 100% |

Note: Numbers may not directly add up due to rounding.

| Table 9B  |
|---|
| April 21, 2010 Survey, OB/GYN Office Auto Trips |

|         |           | Au   | ıto  | Au  | uto  |         |         |      |        |       |      |
|---------|-----------|------|------|-----|------|---------|---------|------|--------|-------|------|
| Trips   | Peak Hour | Self | park | Dro | poff | Taxi/ B | ack Car | Ambu | ulette | Total | Auto |
|         |           | In   | Out  | In  | Out  | In      | Out     | In   | Out    | In    | Out  |
| Patient | AM        | 0    | 0    | 0   | 0    | 0       | 0       | 0    | 0      | 0     | 0    |
|         | MD        | 23   | 2    | 6   | 6    | 6       | 2       | 0    | 2      | 36    | 13   |
|         | PM        | 19   | 11   | 15  | 4    | 4       | 2       | 0    | 0      | 38    | 17   |
|         | 24 HOUR   | 84   | 84   | 44  | 44   | 15      | 15      | 2    | 2      | 145   | 145  |
|         |           |      |      |     |      |         |         |      |        |       |      |
| Staff   | AM        | 9    | 0    | 3   | 0    | 1       | 0       | 0    | 0      | 13    | 0    |
|         | MD        | 0    | 0    | 0   | 0    | 0       | 0       | 0    | 0      | 0     | 0    |
|         | PM        | 0    | 1    | 0   | 3    | 0       | 0       | 0    | 0      | 0     | 4    |
|         | 24 HOUR   | 21   | 21   | 8   | 8    | 3       | 3       | 0    | 0      | 32    | 32   |

| %            |           | Auto |      | Auto    |     |                 |     |           |     |            |      |
|--------------|-----------|------|------|---------|-----|-----------------|-----|-----------|-----|------------|------|
| Distribution | Peak Hour | Self | park | Dropoff |     | Taxi/ Black Car |     | Ambulette |     | Total Auto |      |
|              |           | In   | Out  | In      | Out | In              | Out | In        | Out | In         | Out  |
| Patient      | AM        | -    | 1    | -       | -   | -               | -   | -         | -   | -          | -    |
|              | MD        | 65%  | 17%  | 18%     | 50% | 18%             | 17% | 0%        | 17% | 100%       | 100% |
|              | PM        | 50%  | 63%  | 39%     | 25% | 11%             | 13% | 0%        | 0%  | 100%       | 100% |
|              | 24 HOUR   | 58%  | 58%  | 30%     | 30% | 10%             | 10% | 1%        | 1%  | 100%       | 100% |
| Staff        | AM        | 70%  | -    | 20%     | -   | 10%             | -   | 0%        | -   | 100%       | -    |
|              | MD        | -    | -    | -       | -   | -               | -   | -         | -   | -          | -    |
|              | PM        | -    | 33%  | -       | 67% | -               | 0%  | -         | 0%  | -          | 100% |
|              | 24 HOUR   | 67%  | 67%  | 25%     | 25% | 8%              | 8%  | 0%        | 0%  | 100%       | 100% |

Note: Numbers may not directly add up due to rounding.

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#### Trip Origins

To identify likely trip distribution and assignment patterns, the interview surveys recorded data on patient and staff origins at each of the cardiology offices. For trips made by auto modes (self-park, drop-off, taxi/black car, and ambulette), 231 records on patient and staff origins (address, neighborhood, zip code) were collected, 172 from patients and 59 from staff. These data reflect a sufficient sample for auto trip origin and destination purposes. Tables 10A and 10B summarize the origins of patient and staff trips that traveled by an automobile mode to any of the surveyed medical facilities. Generally, both patient and staff data found that the heaviest concentrations of origins are from southern Brooklyn, Staten Island, Queens and Manhattan.

|   | Number of |            |
|---|-----------|------------|
| Patient   | Trips     | % of Trips |
| Outside NYC, Manhattan, Bronx, Queens                               | 17        | 10%        |
| Northeast (Grand Army Plaza, Kensington, Park Slope, East New York) | 22        | 13%        |
| West (via Belt Parkway and Brooklyn-Queens Expressway)              | 22        | 13%        |
| South (Dyker Heights)   | 6         | 3%         |
| Southwest (Ft Hamilton, North Bay Ridge)                            | 35        | 20%        |
| Staten Island and South Bay Ridge                                   | 9         | 5%         |
| East (Borough Park, New Utrecht, Midwood, Flatlands)                | 37        | 22%        |
| Southeast (Coney Island, Sheepshead Bay, Gravesend, Bensonhurst)    | 24        | 14%        |
| Total   | 172       | 100%       |

Table 10A Trip Origins, Patients Traveling by Auto

#### Table 10B Trip Origins, Staff Traveling by Auto

|   | Number of |            |
|---|-----------|------------|
| Staff   | Trips     | % of Trips |
| Outside NYC, Manhattan, Bronx, Queens                               | 5         | 8%         |
| Northeast (Grand Army Plaza, Kensington, Park Slope, East New York) | 4         | 7%         |
| West (via Belt Parkway and Brooklyn-Queens Expressway)              | 8         | 14%        |
| South (Dyker Heights)   | 4         | 7%         |
| Southwest (Ft Hamilton, North Bay Ridge)                            | 6         | 10%        |
| Staten Island and South Bay Ridge                                   | 17        | 29%        |
| East (Borough Park, New Utrecht, Midwood, Flatlands)                | 5         | 8%         |
| Southeast (Coney Island, Sheepshead Bay, Gravesend, Bensonhurst)    | 10        | 17%        |
| Total   | 59        | 100%       |

## Mode Split and Vehicle Occupancy Data

Mode split choices for both future conditions are assumed to be the same as the modes surveyed in April 2010 and presented earlier in this memo. Vehicle occupancy data, illustrated in Table 11, is based on medical office rates for staff and visitor auto and taxi rates presented in the *Jamaica Plan FEIS*, *June 2007*. Vehicle occupancy for patient drop-off and ambulette trips are assumed equal to that of patient taxi trips. While staff taxi trips would have a vehicle occupancy factor of 1.40, staff drop-off trips are more conservatively assumed to have the same 1.20 factor as patient drop-off trips.

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| Patient |           |         |      |           |
|---------|-----------|---------|------|-----------|
| Period  | Self Park | Dropoff | Taxi | Ambulette |
| AM      | 1.65      | 1.20    | 1.20 | 1.20      |
| MD      | 1.65      | 1.20    | 1.20 | 1.20      |
| PM      | 1.65      | 1.20    | 1.20 | 1.20      |
| 24-Hour | 1.65      | 1.20    | 1.20 | 1.20      |

 Table 11

 No Action and Action Auto Vehicle Occupancy, Medical Facility

Sta

| Stall   |           |         |      |           |
|---------|-----------|---------|------|-----------|
| Period  | Self Park | Dropoff | Taxi | Ambulette |
| AM      | 1.00      | 1.20    | 1.40 | -         |
| MD      | 1.00      | 1.20    | 1.40 | -         |
| PM      | 1.00      | 1.20    | 1.40 | -         |
| 24-Hour | 1.00      | 1.20    | 1.40 | -         |

## FUTURE WITHOUT AND WITH THE PROPOSED PROJECT – TRAVEL CHARACTERISTICS

As previously mentioned in Table 2, the future without the proposed project would result in the construction of an as-of-right building consisting of 27,165 GSF of community facility space and 5,614 GSF of local retail. The future with the proposed project involves the construction of a rezoned building consisting of 57,890 GSF of community facility space and 5,614 GSF of local retail. Both buildings would include a below grade off-street parking facility with capacities of 82 vehicles and 150 vehicles in the No Action and Action conditions, respectively. It should be noted that there is no incremental change to the proposed local retail space between both No Action and Action conditions. For analysis purposes, the future year No Action and Action analyses is assumed to be 2016.

Table 12 presents a summary of the transportation planning assumptions to be used for the analysis of the proposed project under both the No Action and Action conditions. The No Action and Action medical facility transportation planning assumptions are based on all of the survey data collected and summarized earlier in this memo. Assumptions for the No Action local retail component of the project are consistent with assumptions stated in previously approved Final Environmental Impact Statement (FEIS) documents and were also supplemented by data from the 2007-2011 American Community Survey and the 2000 U.S. Census. The local retail development assumptions, which are outlined later in this memo, were approved by NYCDCP in August 2013 as part of the review of No Action Development Travel Demand Factors.

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|                                       |      |           |              | Li         | able 12  |           |              |           |              |             |      |
|---------------------------------------|------|-----------|--------------|------------|----------|-----------|--------------|-----------|--------------|-------------|------|
|                                       |      | Tra       | ansport      | ation P    | Planning | g Assur   | nptions      | ;         |              |             |      |
| Land Use                              |      | Medica    | I Facility   |            |          | Medica    | I Facility   |           | Local Retail |             |      |
| Future Land Lise                      |      | Cardiolo  | ogy Office   |            |          | OB/GY     | N Office     |           |              | per 1000 SF |      |
| Tutale Lana 030                       |      | TRIPS por | 1000 GSE (1) |            |          | TRIPS por | 1000 GSE (1) |           |              | (4)         |      |
| Trip Generation                       |      | STAFF     | PATIENTS     |            |          | STAFF     | PATIENTS     |           |              | Weekday     |      |
| Daily Person Trips                    |      | 4.3       | 21.2         |            |          | 11.0      | 43.5         |           |              | 205         |      |
| Net Daily Person Trips                |      | 4.3       | 21.2         |            |          | 11.0      | 43.5         |           |              | 205         |      |
| · ·                                   |      |           |              |            |          |           |              |           |              |             |      |
|                                       |      | (1)       | (1)          |            |          | (1)       | (1)          |           |              | (4)         |      |
| Temporal Distribution                 |      | STAFF     | PATIENTS     |            |          | STAFF     | PATIENTS     |           |              | ALL         |      |
| AM (9 AM - 10 AM)                     |      | 16.7%     | 8.1%         |            |          | 28.9%     | 0.0%         |           |              | 3.0%        |      |
| PM (5 PM - 6 PM)                      |      | 33.3%     | 4.1%         |            |          | 3.9%      | 20.2%        |           |              | 10.0%       |      |
|                                       |      |           |              |            |          |           |              |           |              |             |      |
|                                       |      | (1)       | (1           | )          | (        | 1)        | (1           | )         |              | (5)         |      |
| In / Out Directional Split            | ST   | AFF       | PATI         | ENTS       | ST       | AFF       | PATI         | ENTS      |              | ALL         |      |
|                                       | In   | Out       | In           | Out        | In       | Out       | In           | Out       | In           |             | Out  |
| AM (9 AM - 10 AM)                     | 100% | 0%        | 77%          | 23%        | 100%     | 0%        | -            | -         | 50%          |             | 50%  |
| MD (12 PM - 1 PM)<br>PM (5 PM - 6 PM) | 0%   | 100%      | 44%<br>57%   | 20%<br>43% | 0%       | -         | 64%          | 21%       | 50%          |             | 50%  |
|                                       | 0%   | 100%      | 57 %         | 43%        | 076      | 100 %     | 04%          | 30 %      | 50%          |             | 30 % |
|                                       |      | (         | (1)          |            |          | (         | 1)           |           |              | (5)         |      |
| Modal Split                           |      | ST        | AFF          |            |          | ST        | AFF          |           |              | ALL         |      |
| Mode                                  | AM   | MD        | PM           | ALL        | AM       | MD        | PM           | ALL       |              |             |      |
| Auto (All)                            | -    | -         | -            | -          | -        | -         | -            | -         |              | 2.0%        |      |
| Auto Self Park                        | 46%  | -         | 42%          | 49%        | 32%      | -         | 33%          | 42%       |              | -           |      |
| Taxi / Black Car                      | 8%   | -         | 4%           | 5%         | 9%<br>5% | -         | 0%           | 10%<br>5% |              | 3.0%        |      |
| Ambulette                             | 0%   | -         | 0%           | 0%         | 0%       | -         | 0%           | 0%        |              | -           |      |
| Subway                                | 23%  | -         | 31%          | 26%        | 9%       | -         | 0%           | 8%        |              | 6.0%        |      |
| Bus                                   | 23%  | -         | 19%          | 13%        | 23%      | -         | 0%           | 16%       |              | 5.0%        |      |
| Walk                                  | 0%   | -         | 4%           | 8%         | 23%      | -         | 0%           | 13%       |              | 84.0%       |      |
|                                       | 100% | -         | 100%         | 100%       | 100%     | -         | 100%         | 100%      |              | 100%        |      |
|                                       |      | (         | (1)          |            |          | (         | 1)           |           |              |             |      |
|                                       |      | PAT       | IENTS        |            |          | PATI      | IENTS        |           |              |             |      |
| Mode                                  | AM   | MD        | PM           | ALL        | AM       | MD        | PM           | ALL       |              |             |      |
| Auto Self Park                        | 35%  | 30%       | 21%          | 28%        | -        | 40%       | 37%          | 43%       |              |             |      |
| Taxi / Black Car                      | 14%  | 0%        | 7%           | 6%         | -        | 20%       | 24%          | 7%        |              |             |      |
| Ambulette                             | 10%  | 30%       | 0%           | 17%        | -        | 3%        | 0%           | 1%        |              |             |      |
| Subway                                | 0%   | 0%        | 0%           | 3%         | -        | 3%        | 8%           | 4%        |              |             |      |
| Bus                                   | 24%  | 14%       | 48%          | 19%        | -        | 7%        | 3%           | 4%        |              |             |      |
| Walk                                  | 7%   | 8%        | 10%          | 10%        | -        | 13%       | 21%          | 18%       |              |             |      |
|                                       | 100% | 100%      | 100%         | 100%       | 0%       | 100%      | 100%         | 100%      |              |             |      |
|                                       |      | (         | 2)           |            |          | c         | 2)           |           |              | (5)         |      |
| Vehicle Occupancy                     |      | STAFF     | PATIENTS     |            |          | STAFF     | PATIENTS     |           |              | ALL         |      |
| Auto (All)                            |      | -         | -            |            |          |           | -            |           |              | 2.00        |      |
| Auto Self-Park                        |      | 1.00      | 1.65         |            |          | 1.00      | 1.65         |           |              | -           |      |
| Taxi and Ambulette                    |      | 1.20      | 1.20         |            |          | 1.20      | 1.20         |           |              | 2 00        |      |
| Taxi and Ambulette                    |      | 1.40      | 1.20         |            |          | 1.40      | 1.20         |           |              | 2.00        |      |
| Truck Trip Generation                 |      |           |              |            |          |           |              |           |              |             |      |
|                                       |      | (1) (3)   |              |            |          | (1) (3)   |              |           |              | (4)         |      |
|                                       |      | Weekday   |              |            |          | Weekday   |              |           |              | Weekday     |      |
| Daily venicle Trips                   |      | 0.0       |              |            |          | 0.0       |              |           |              | 0.35        |      |
| Temporal Distribution                 |      | (1)       |              |            |          | (1)       |              |           |              | (4)         |      |
| AM (9 AM - 10 AM)                     |      | -         |              |            |          | -         |              |           |              | 8.0%        |      |
| MD (12 PM - 1 PM)                     | 1    | -         |              |            | 1        | -         |              |           |              | 11.0%       |      |
| PM (5 PM - 6 PM)                      |      | -         |              |            |          | -         |              |           |              | 2.0%        |      |
|                                       |      | (1)       | (1)          |            |          | (1)       | (1)          |           |              | (4)         |      |
| In / Out Directional Split            |      | (i)<br>In | Out          |            |          | (i)<br>In | Out          |           | In           | (4)         | Out  |
|                                       |      | -         | -            |            |          | -         | -            |           | 50%          |             | 50%  |

Sources:
(1) Stantec survey of medical facilities in vicinity of Study Area, April 2010.
(2) Medical office vehicle occupancy based on medical office vehicle occupancies, The Jamaica Plan FEIS, June 2007.
(3) No trucks were observed serving the surveyed medical facilities.
(4) New York City Environmental Quality Review (CEQR) Technical Manual, Table 16-2, 2014.
(5) Local Retail directional splits based on directional splits for local retail in the Rheingold Development Rezoning FEIS, 2013. Local Retail modal split and vehicle occupancy based on local retail land use in the Rheingold Development Rezoning FEIS, 2013.

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#### Trip Generation

#### Local Retail – No Action

The future without the Proposed Project (No Action) includes 5,614 GSF of local retail. The forecasts of weekday travel demand (person trip rate) and temporal distribution for a project's local retail component were obtained from the 2014 CEQR Technical Manual. Weekday directional distributions, modal split, and vehicle occupancy were obtained from the Rheingold Development Rezoning FEIS. Local retail truck trip generation rates, temporal distributions and directional distributions were obtained from the 2014 CEQR Technical Manual.

#### Medical Facility Trip Generation – No Action

Based upon discussions with the client, it is assumed that, for trip generation purposes, the proposed 27,165 GSF No Action medical facility will function as a cardiology facility, with the equivalent amount of square footage allocated for both patients and staff. Future No Action trips were developed by utilizing the previously calculated cardiology office transportation planning assumptions (summarized in Table 12) and the proposed 27,165 GSF allocated for No Action medical facility use.

Incremental No Action medical facility and local retail person trips are illustrated in Table 13. Incremental No Action medical facility and local retail vehicle trips are presented in Table 14. For the No Action program, the future No Action person trips are equivalent to the incremental No Action person trips since it is assumed that the existing site is vacant and unoccupied and would not be considered a traffic generator.

| No Action    | Peak<br>Hour | Au<br>Self | ito<br>nark | Au<br>Dro | uto<br>noff | Taxi/ B | lack Car | Ambi | ilette | Sub | way | B   | IS  | w     | alk   | То    | tal   |
|--------------|--------------|------------|-------------|-----------|-------------|---------|----------|------|--------|-----|-----|-----|-----|-------|-------|-------|-------|
| No Action    | mour         |            |             |           |             |         |          |      |        |     | wuy |     |     |       |       |       |       |
|              |              | In         | Out         | In        | Out         | In      | Out      | In   | Out    | In  | Out | In  | Out | In    | Out   | In    | Out   |
|              |              |            |             |           |             |         |          |      |        |     |     |     |     |       |       |       |       |
| Patient      | AM           | 16         | 0           | 5         | 2           | 0       | 5        | 3    | 1      | 0   | 0   | 7   | 5   | 1     | 2     | 32    | 14    |
| Staff        | AM           | 9          | 0           | 1         | 0           | 0       | 0        | 0    | 0      | 4   | 0   | 4   | 0   | 0     | 0     | 19    | 0     |
| Local Retail | AM           | 0          | 0           |           |             | 1       | 1        | 0    | 0      | 1   | 1   | 1   | 1   | 15    | 15    | 17    | 17    |
| Total        | AM           | 25         | 0           | 6         | 2           | 1       | 5        | 3    | 1      | 5   | 1   | 12  | 5   | 16    | 16    | 69    | 31    |
|              |              |            |             |           |             |         |          |      |        |     |     |     |     |       |       |       |       |
| Patient      | MD           | 7          | 12          | 3         | 8           | 0       | 0        | 12   | 6      | 0   | 0   | 5   | 3   | 3     | 2     | 30    | 31    |
| Staff        | MD           | 0          | 0           | 0         | 0           | 0       | 0        | 0    | 0      | 0   | 0   | 0   | 0   | 0     | 0     | 0     | 0     |
| Local Retail | MD           | 2          | 2           |           |             | 3       | 3        | 0    | 0      | 7   | 7   | 5   | 5   | 92    | 92    | 109   | 109   |
| Total        | MD           | 9          | 14          | 3         | 8           | 3       | 3        | 12   | 6      | 7   | 7   | 10  | 9   | 95    | 93    | 139   | 140   |
|              |              |            |             |           |             |         |          |      |        |     |     |     |     |       |       |       |       |
| Patient      | PM           | 2          | 3           | 3         | 0           | 0       | 2        | 0    | 0      | 0   | 0   | 8   | 3   | 0     | 2     | 13    | 11    |
| Staff        | PM           | 0          | 16          | 0         | 1           | 0       | 0        | 0    | 0      | 0   | 12  | 0   | 7   | 0     | 1     | 0     | 39    |
| Local Retail | PM           | 1          | 1           |           |             | 2       | 2        | 0    | 0      | 3   | 3   | 3   | 3   | 48    | 48    | 58    | 58    |
| Total        | PM           | 3          | 21          | 3         | 1           | 2       | 3        | 0    | 0      | 3   | 15  | 11  | 14  | 48    | 52    | 71    | 107   |
|              |              |            |             |           |             |         |          |      |        |     |     |     |     |       |       |       |       |
| Patient      | 24 HOUR      | 81         | 81          | 45        | 45          | 19      | 19       | 48   | 48     | 10  | 10  | 56  | 56  | 29    | 29    | 288   | 288   |
| Staff        | 24 HOUR      | 28         | 28          | 3         | 3           | 0       | 0        | 0    | 0      | 15  | 15  | 7   | 7   | 4     | 4     | 58    | 58    |
| Local Retail | 24 HOUR      | 23         | 23          |           |             | 35      | 35       | 0    | 0      | 69  | 69  | 58  | 58  | 967   | 967   | 1,151 | 1,151 |
| Total        | 24 HOUR      | 132        | 132         | 48        | 48          | 53      | 53       | 48   | 48     | 93  | 93  | 121 | 121 | 1,000 | 1,000 | 1,497 | 1,497 |

#### Table 13 Incremental No Action (as-of-right) Person Trips 27 165 GSE No Action Medical Facility with 5 614 GSE of Local Retail

Note: Numbers may not directly add up due to rounding.

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| 27,165 GSF No Action Medical Facility with 5,614 GSF of Local Retail |      |      |      |     |      |      |      |         |          |         |          |    |      |
|--|------|------|------|-----|------|------|------|---------|----------|---------|----------|----|------|
|  |      |      |      |     |      | Bala | nced |         |          | Bala    | nced     |    |      |
|  | Peak | Au   | uto  | Au  | uto  | Au   | uto  | Taxi/ B | lack Car | Taxi/ B | lack Car |    |      |
| No Action  | Hour | Self | park | Dro | poff | Dro  | poff | & Am    | bulete   | & Am    | bulete   | Тс | otal |
|  |      | In   | Out  | In  | Out  | In   | Out  | In      | Out      | In      | Out      | In | Out  |
|  |      |      |      |     |      |      |      |         |          |         |          |    |      |
| Patient  | AM   | 10   | 0    | 4   | 1    | 4    | 4    | 3       | 5        | 5       | 5        | 19 | 9    |
| Staff  | AM   | 9    | 0    | 1   | 0    | 1    | 1    | 0       | 0        | 0       | 0        | 10 | 1    |
| Local Retail   | AM   | 0    | 0    |     |      |      |      | 0       | 0        | 0       | 0        | 0  | 0    |
| Total  | AM   | 19   | 0    | 5   | 1    | 5    | 5    | 3       | 5        | 5       | 5        | 29 | 11   |
|  |      |      |      |     |      |      |      |         |          |         |          |    |      |
| Patient  | MD   | 4    | 7    | 3   | 7    | 7    | 7    | 10      | 5        | 10      | 10       | 20 | 23   |
| Staff  | MD   | 0    | 0    | 0   | 0    | 0    | 0    | 0       | 0        | 0       | 0        | 0  | 0    |
| Local Retail   | MD   | 1    | 1    |     |      |      |      | 2       | 2        | 2       | 2        | 3  | 3    |
| Total  | MD   | 5    | 8    | 3   | 7    | 7    | 7    | 11      | 7        | 11      | 11       | 23 | 26   |
|  |      |      |      |     |      |      |      |         |          |         |          |    |      |
| Patient  | PM   | 1    | 2    | 3   | 0    | 3    | 3    | 0       | 1        | 1       | 1        | 5  | 6    |
| Staff  | PM   | 0    | 16   | 0   | 1    | 1    | 1    | 0       | 0        | 0       | 0        | 1  | 18   |
| Local Retail   | PM   | 1    | 1    |     |      |      |      | 1       | 1        | 1       | 1        | 2  | 2    |
| Total  | PM   | 2    | 19   | 3   | 1    | 4    | 4    | 1       | 2        | 2       | 2        | 8  | 26   |

#### Table 14 Incremental No Action (as-of-right) Vehicle Trips 27.165 GSF No Action Medical Facility with 5.614 GSF of Local Retail

Note: Numbers may not directly add up due to rounding. All local retail auto trips are assumed to use the off-street parking facility

## Medical Facility Trip Generation – Action

Based upon the agreed building program (presented in Table 2 and provided to Stantec by the client), the proposed 57,890 GSF Action medical facility will be allocated to patients and staff as follows – a 42,280 GSF medical facility (both staff and patient use) and a 15,610 GSF Medical Laboratory (staff usage only); this results in a total of 42,280 GSF allocated towards patient use and 57,890 GSF allocated towards staff use. Trips were equally split between cardiology and OB/GYN trip rates for both patients and staff in order to reflect a hybrid medical facility (which reflects the multiple types of medical services that are expected to be provided at the proposed birthing center). Using the previously calculated cardiology and OB/GYN trip rates for medical facility GSF (21,140 GSF and 28,945 GSF for patient and staff cardiology trip use and 21,140 GSF and 28,945 GSF for patient and staff cardiology trip use and 21,140 GSF and 28,945 GSF for patient and staff cardiology. Incremental Action medical facility person trips are illustrated in Table 15. Incremental Action medical facility vehicle trips are presented in Table 16.

Trip patterns for the cardiology and OB/GYN uses vary with OB/GYN patient arrivals occurring later in the day (no arrivals were surveyed during the AM peak hour) whereas cardiology patients arrive throughout the day (35 percent of patients arrived during the AM peak hour). The Action building program contains an equal mix of cardiology and OB/GYN whereas the No Action program contains only cardiology. This results in less overall square footage for cardiology for the Action program compared to the No Action program which in turn leads to a reduction in patient trips between the Action and No Action programs for certain time periods (as highlighted in Table 15 below). To be conservative, these trips were increased to zero in order to reflect no change in total trips with respect to the No Action condition.

It should also be noted that the combination of using cardiology trip generation rates in the No Action condition and an equal split between cardiology and OB/GYN trip generation rates in the Action condition is expected to provide a conservative estimate of the incremental traffic expected to be generated within the traffic study area, as the Proposed Project is, at most, expected to contain 50 percent OB/GYN medical uses, a use which generates more trips than cardiology.

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| Table 15  |
|---|
| Incremental Action Person Trips   |
| 42,280 GSF Patient / 57,890 GSF Staff Action Medical Facility w/5.614 GSF of Local Retail |

|                | Peak         | Au       | uto       | Au         | uto      |         |          |      |        |     |     |    |     |    |     |     |     |
|----------------|--------------|----------|-----------|------------|----------|---------|----------|------|--------|-----|-----|----|-----|----|-----|-----|-----|
| Action         | Hour         | Self     | park      | Dro        | poff     | Taxi/ B | lack Car | Ambu | ulette | Sub | way | В  | us  | W  | alk | То  | tal |
|                |              | In       | Out       | In         | Out      | In      | Out      | In   | Out    | In  | Out | In | Out | In | Out | In  | Out |
|                |              |          |           |            |          |         |          |      |        |     |     |    |     |    |     |     |     |
| Patient        | AM           | 0        | 0         | 0          | 0        | 0       | 0        | 0    | 0      | 0   | 0   | 0  | 0   | 0  | 0   | 0   | 0   |
| Staff          | AM           | 30       | 0         | 8          | 0        | 4       | 0        | 0    | 0      | 9   | 0   | 21 | 0   | 21 | 0   | 93  | 0   |
| Total          | AM           | 30       | 0         | 8          | 0        | 4       | 0        | 0    | 0      | 9   | 0   | 21 | 0   | 21 | 0   | 93  | 0   |
|                |              |          |           |            |          |         |          |      |        |     |     |    |     |    |     |     |     |
| Patient        | MD           | 52       | 2         | 14         | 13       | 15      | 5        | 0    | 3      | 5   | 0   | 0  | 9   | 14 | 5   | 100 | 37  |
| Staff          | MD           | 0        | 0         | 0          | 0        | 0       | 0        | 0    | 0      | 0   | 0   | 0  | 0   | 0  | 0   | 0   | 0   |
| Total          | MD           | 52       | 2         | 14         | 13       | 15      | 5        | 0    | 3      | 5   | 0   | 0  | 9   | 14 | 5   | 100 | 37  |
|                |              |          |           |            |          |         |          |      |        |     |     |    |     |    |     |     |     |
| Patient        | PM           | 44       | 24        | 34         | 10       | 10      | 5        | 0    | 0      | 10  | 5   | 0  | 4   | 15 | 24  | 112 | 71  |
| Staff          | PM           | 0        | 5         | 0          | 8        | 0       | 0        | 0    | 0      | 0   | 1   | 0  | 0   | 0  | 0   | 0   | 15  |
| Total          | PM           | 44       | 29        | 34         | 18       | 10      | 5        | 0    | 0      | 10  | 6   | 0  | 5   | 15 | 24  | 112 | 86  |
|                |              |          |           |            |          |         |          |      |        |     |     |    |     |    |     |     |     |
| Patient        | 24 HOUR      | 178      | 178       | 93         | 93       | 30      | 30       | 0    | 0      | 17  | 17  | 7  | 7   | 77 | 77  | 402 | 402 |
| Staff          | 24 HOUR      | 69       | 69        | 25         | 25       | 8       | 8        | 0    | 0      | 14  | 14  | 26 | 26  | 21 | 21  | 163 | 163 |
| Total          | 24 HOUR      | 247      | 247       | 118        | 118      | 38      | 38       | 0    | 0      | 31  | 31  | 33 | 33  | 98 | 98  | 565 | 565 |
| Indicates nega | tive trips w | hich wer | e increas | ed to 0 in | order to | he cons | ervative |      |        |     |     |    |     |    |     |     |     |

Note: Numbers may not directly add up due to rounding.

Table 16Incremental Action Vehicle Trips42,280 GSF Patient / 57,890 GSF Staff Action Medical Facility w/5,614 GSF of Local Retail

|               |      |      |      |     |      | Bala | nced |         |         | Bala    | nced     |    |      |
|---------------|------|------|------|-----|------|------|------|---------|---------|---------|----------|----|------|
| Action        | Peak | Au   | ito  | Αι  | uto  | Au   | ito  | Taxi/ B | ack Car | Taxi/ B | lack Car |    |      |
| Vehicle Trips | Hour | Self | park | Dro | poff | Dro  | poff | & Am    | bulete  | & Am    | bulete   | То | otal |
|               |      | In   | Out  | In  | Out  | In   | Out  | In      | Out     | In      | Out      | In | Out  |
|               |      |      |      |     |      |      |      |         |         |         |          |    |      |
| Patient       | AM   | 0    | 0    | 0   | 0    | 0    | 0    | 0       | 0       | 0       | 0        | 0  | 0    |
| Staff         | AM   | 30   | 0    | 7   | 0    | 7    | 7    | 3       | 0       | 3       | 3        | 40 | 10   |
| Total         | AM   | 30   | 0    | 7   | 0    | 7    | 7    | 3       | 0       | 3       | 3        | 40 | 10   |
|               |      |      |      |     |      |      |      |         |         |         |          |    |      |
| Patient       | MD   | 32   | 1    | 12  | 11   | 12   | 12   | 13      | 7       | 13      | 13       | 56 | 26   |
| Staff         | MD   | 0    | 0    | 0   | 0    | 0    | 0    | 0       | 0       | 0       | 0        | 0  | 0    |
| Total         | MD   | 32   | 1    | 12  | 11   | 12   | 12   | 13      | 7       | 13      | 13       | 56 | 26   |
|               |      |      |      |     |      |      |      |         |         |         |          |    |      |
| Patient       | PM   | 26   | 14   | 28  | 8    | 28   | 28   | 8       | 4       | 8       | 8        | 63 | 50   |
| Staff         | PM   | 0    | 5    | 0   | 7    | 7    | 7    | 0       | 0       | 0       | 0        | 7  | 12   |
| Total         | PM   | 26   | 20   | 28  | 15   | 35   | 35   | 8       | 4       | 8       | 8        | 70 | 63   |

Note: Numbers may not directly add up due to rounding.

There were no truck trips at any of the existing medical facilities. No truck trips are projected for the proposed medical facility under both No Action and Action conditions.

Additionally, no truck trips are projected for the local retail component of the no action building.

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#### Trip Distribution

#### Medical Facility – No Action and Action

As presented previously in Figure 2 and Tables 10A and 10B, origins of existing patients and staff surveyed at each of the medical facilities were used to determine the origins and destinations of future trips. The use of medical facility data resulted in a representative set of origins and destinations for the proposed project.

Trips are assumed to originate from these origins and are destined for the medical facility, and upon exit make the reverse trip back to their place of origin. Also, please note that taxi, ambulette, and auto drop-off trips will continue either into or out of the study area before or after a pickup or drop-off is made at the project site.

#### Trip Assignment

For both No Action and Action conditions, likely routes entering and leaving the proposed project were developed based on trip origins and destinations. The suggested routings were based on mapping software (e.g., Google Maps, MS Streets and Trips). Table 17 presents likely routes for vehicle trips entering the site based on their origin. Major approach routes as well as local streets directly serving the site are presented. To exit the site, trips are routed back to their origins using the same primary route.

| Origin                               | Major Approach                   | Local Streets Direct to Site (Entry Self Park)                     |
|--------------------------------------|----------------------------------|--|
| Outside NYC, Manhattan, Bronx,       |                                  |  |
| Queens                               | Brooklyn-Queens Expressway       | 54th Street west of site   |
| Northeast (Crown Heights, East New   |                                  |  |
| York, Flatbush, Park Slope)          | Eastern Parkway and 4th Avenue   | 4th Avenue, left turn at 54th Street                               |
|                                      |                                  | Fort Hamilton Parkway, right turn at 53rd Street, left turn at 9th |
| Northeast (Flatbush, Kensington)     | Fort Hamilton Parkway            | Avenue, left turn at 54th Street                                   |
| West (Bay Ridge)                     | 4th and 5th Avenues              | Left or right turn onto 54th Street                                |
|                                      |                                  | 11th Avenue, left turn at 55th Street, Right turn at 9th Avenue,   |
| South (Dyker Heights)                | 11th Avenue                      | Right turn at 54th Street  |
|                                      |                                  | Fort Hamilton Parkway, left turn at 55th Street, Right turn at     |
| Southwest (Ft Hamilton, Bay Ridge)   | Fort Hamilton Parkway            | 9th Avenue, Right turn at 54th Street                              |
|                                      |                                  | Fort Hamilton Parkway, left turn at 55th Street, Right turn at     |
| Staten Island                        | Verrazano Narrows Bridge         | 9th Avenue, Right turn at 54th Street                              |
| East (Borough Park, Parkville,       |                                  |  |
| Midwood, Flatlands)                  | 53rd Street                      | 53rd Street, left turn at 9th Avenue, left turn at 54th Street     |
|                                      |                                  | Approach via 60th or 65th Street, 50 percent turn right onto       |
|                                      |                                  | 11th Avenue, 50 percent turn right onto Fort Hamilton              |
| Southeast (New Utrecht, Bensonhurst, | 60th and 65th Street, and 11th   | Parkway, left turn at 55th Street, right turn at 9th Avenue,       |
| Gravesend)                           | Avenue and Fort Hamilton Parkway | Right turn at 54th Street  |
| Southeast (Coney Island, Sheepshead  |                                  | Exit at 65th Street, left turn at 4th Avenue, Right turn onto 60th |
| Bay, Bergen Beach)                   | Shore / Belt Parkway             | Street, left turn at 9th Avenue, right turn on 54th Street         |

Table 17 Vehicle Trip Assignment, Routes by Origin

The primary east-west routes near the study area that are expected to be used by site generated vehicle trips are 52<sup>nd</sup> street (one way eastbound), 53<sup>rd</sup> Street (one way westbound), 60<sup>th</sup> Street (eastbound and westbound), 65<sup>th</sup> Street (eastbound and westbound), and 54<sup>th</sup> Street (serves the proposed site's parking garage).

The principal north-south routes near the study area that would serve site generated traffic are Fort Hamilton Parkway, 11<sup>th</sup> Avenue to the east, and 9<sup>th</sup> Avenue to the west, all two-way streets.

The Shore/Belt Parkway, Verrazano Narrows Bridge, Brooklyn-Queens Expressway, and Eastern Parkway are expected to be used by longer distance vehicle trips. These trips would primarily use the local east-west and north-south routes listed above to access the facility.

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Patient trips would be heavily served by the east-west 52<sup>nd</sup> and 53<sup>rd</sup>, 60<sup>th</sup>, and 65<sup>th</sup> Streets to the east, reflecting the concentration of patient residences to the east and southeast of the site.

The principal difference between patient and staff trips is the heavy concentration of staff trips coming from and returning to Staten Island via the Verrazano Narrows Bridge, and therefore accessing the site via Fort Hamilton Parkway to the south. No staff trips are expected to use Fort Hamilton Parkway north of the site or 52<sup>nd</sup> and 53<sup>rd</sup> Street east of the site.

Self-parked auto trips are expected to use the sub-cellar parking garage and would all need to enter and exit via 54<sup>th</sup> Street eastbound. Drop-off trips, including taxi, black car, and ambulette trips would drop patients and staff directly in front of the facility on Fort Hamilton Parkway's west sidewalk. These drop-off vehicles would exit the network via the same primary routes they entered the study area network without making any additional pick-ups. To serve outbound trips, pick-up trips would enter the study area network from the same locations and routes to pick-up patients or staff, and exit to the same locations via the same routes. That is, pick-up and drop-off trips would enter and leave the study area via the same primary routes.

No Action and Action site generated vehicle trips for the AM, Midday, and PM peak hours follow this technical memo. It should be noted that the numbers illustrated in the incremental trip diagrams may be slightly different from the values presented in Tables 14 and 16 due to rounding. The screening analysis found that the site-generated incremental trip threshold of 50 vehicles would be exceeded by one intersection during the weekday midday peak hour and five intersections during the weekday PM peak hour. None of the five intersections would exceed the 50 vehicle trip threshold during the weekday AM peak hour; however, it is proposed that these intersections would be analyzed during the AM peak hour.

## Parking

It is expected that patients and staff of the proposed medical facility that arrive to the site by automobile and normally park their cars will park in the off-street automated sub-cellar parking garage. A review of the first floor site plan for the Proposed Project shows that a total of 2,900 SF is allocated for parking use. Discussions with the client confirmed that a general area of 100 feet of space by 20 feet wide will be allocated as reservoir space for inbound motorists waiting to park their vehicles using the single elevator automated parking facility (it should be noted that the space is wide enough to accommodate vehicles simultaneously entering and leaving the automated parking facility). Using the 2014 CEQR Technical Manual recommended length of 20 feet for a parking space<sup>2</sup>, it is projected that up to five vehicles will be able to queue inside of the building without blocking either pedestrian or vehicular traffic on 54<sup>th</sup> Street. Although an operator has yet to be selected, automated parking systems generally vary on both the design and the clients specifications (for instance, similar systems being explored at another, unrelated site can process vehicles every 90 seconds). It is anticipated that the system will be designed to accommodate the necessary demand generated by the Proposed Project without causing an impact to traffic on 54<sup>th</sup> Street.

<sup>&</sup>lt;sup>2</sup> Section 382.1 of the 2014 CEQR Technical Manual.

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Future parking demand was developed using the data obtained from the April 2010 survey data of self-parked vehicle entries and exits at each of the surveyed sites and the No Action and Action trip generation methodology previously described in this memo. Tables 18A, 18B and 18C respectively illustrate the No Action, Incremental Action and Action Condition parking demand at the proposed off-street automated parking facility<sup>3</sup>. It is projected that parking accumulation under both the No Action (as-of-right) Project and the Proposed Project will be below the allotted capacity throughout a typical weekday.

It is proposed that a portion of existing on-street parking regulations (approximately 50 feet in length and as close as possible to the entrance to the Proposed Project) on the west side of Fort Hamilton Parkway from 54th Street to 55th Street be revised from the existing "No Parking 8:30- 10 AM Monday" to "No Standing 7AM-7PM Monday to Friday except Authorized Vehicles, Ambulettes". This change is projected to result in the loss of two on-street parking spaces but will ensure that ambulettes will not impede traffic flow along Fort Hamilton Parkway. Additionally, it is proposed that "No Standing Anytime" signage be posted approximately 20 feet west and east of the access to the proposed below grade automated off-street parking facility (on 54<sup>th</sup> Street, west of Fort Hamilton Parkway). This modification is projected to result in the loss of two (2) on-street parking spaces but will ensure acceptable ingress and egress to the off-street parking facility. In total, existing on-street parking resources are projected to be reduced by a maximum of four vehicles during any peak hour (there is available capacity within the off-street parking facility to handle projected peak hour local retail vehicle trips).

Although on-street parking within the study area is mostly comprised of alternate side parking regulations and June 2011 field observations indicated a sufficient amount on-street parking supply within the study area during the each of the peak periods, a parking survey was performed in July 2014 to verify that on-street parking conditions have not changed. Both the June 2011 field observations and July 2014 parking survey indicate that there is sufficient on-street parking inventory to accommodate the loss of two on-street parking spaces and, therefore, no further analysis of on-street parking is proposed. Tables summarizing the July 2014 parking survey follow this technical memo.

<sup>&</sup>lt;sup>3</sup> As previously mentioned, trip patterns for the cardiology and OB/GYN uses vary with OB/GYN patient arrivals occurring later in the day (no arrivals were surveyed during the AM peak hour) whereas cardiology patients arrive throughout the day (35 percent of patients arrived during the AM peak hour). The Action building program contains an equal mix of cardiology and OB/GYN whereas the No Action program contains only cardiology. This results in less overall square footage for cardiology for the Action program compared to the No Action program which in turn leads to a reduction in patient trips between the Action and No Action programs for certain time periods (as highlighted in Table 18B).

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#### Reference: 5402 Fort Hamilton Parkway EAS – Transportation Screening Analyses & Proposed **Travel Demand Factors**

Table 18A



Note: Numbers may not directly add up due to rounding

Temporal distribution for local retail taken from 24 hour temporal distribution data used in the 15 Penn Plaza FEIS, 2010. AM, MD and PM peak hour temporal distributions comply with Table 16-2 of the 2014 CEQR Technical Manual. Hourly local retail trips were developed by applying the hourly temporal distributions to daily vehicle trips, assuming that the assumed local retail modal split

in / out directional split and vehicle occupancy were held consistent throughout each hour of the day. See the Transportation Planning Assumptions table for more information

## Table 18B **Incremental Action Parking Accumulation Table** 42,280 GSF Patient / 57,890 GSF Staff Action Medical Facility w/5,614 GSF of Local Retail

|             |   | STAFF A  | UTO-PARK | ED VEHIC     | LE TRIPS | PATIENT / | AUTO-PAR | KED VEHIC    | CLE TRIPS | TOTAL            |     |                         |     |  |
|-------------|---|----------|----------|--------------|----------|-----------|----------|--------------|-----------|------------------|-----|-------------------------|-----|--|
| TIME PERIOD |   | CAR      | DIO      | <u>OBGYN</u> |          | CARDIO    |          | <u>OBGYN</u> |           | VEHICLE<br>TRIPS |     | PARKING<br>ACCUMULATION |     |  |
|             |   |          | In       | Out          | In       | Out       | In       | Out          | In        | Out              | In  | Out                     |     |  |
| 12:00 AM    | - | 1:00 AM  | 0        | 0            | 0        | 0         | 0        | 0            | 0         | 0                | 0   | 0                       | 0   |  |
| 1:00 AM     | - | 2:00 AM  | 0        | 0            | 0        | 0         | 0        | 0            | 0         | 0                | 0   | 0                       | 0   |  |
| 2:00 AM     | - | 3:00 AM  | 0        | 0            | 0        | 0         | 0        | 0            | 0         | 0                | 0   | 0                       | 0   |  |
| 3:00 AM     | - | 4:00 AM  | 0        | 0            | 0        | 0         | 0        | 0            | 0         | 0                | 0   | 0                       | 0   |  |
| 4:00 AM     | - | 5:00 AM  | 0        | 0            | 0        | 0         | 0        | 0            | 0         | 0                | 0   | 0                       | 0   |  |
| 5:00 AM     | - | 6:00 AM  | 0        | 0            | 0        | 0         | 0        | 0            | 0         | 0                | 0   | 0                       | 0   |  |
| 6:00 AM     | - | 7:00 AM  | 0        | 0            | 0        | 0         | 0        | 0            | 0         | 0                | 0   | 0                       | 0   |  |
| 7:00 AM     | - | 8:00 AM  | 0        | 0            | 4        | 0         | 0        | 0            | 0         | 0                | 4   | 0                       | 4   |  |
| 8:00 AM     | - | 9:00 AM  | 1        | 0            | 21       | 0         | 0        | 0            | 0         | 0                | 22  | 0                       | 26  |  |
| 9:00 AM     | - | 10:00 AM | 1        | 0            | 29       | 0         | 0        | 0            | 0         | 0                | 30  | 0                       | 56  |  |
| 10:00 AM    | - | 11:00 AM | 0        | 0            | 8        | 0         | 0        | 0            | 0         | 0                | 9   | 0                       | 64  |  |
| 11:00 AM    | - | 12:00 PM | 0        | 0            | 4        | 0         | 0        | 0            | 6         | 0                | 10  | 0                       | 74  |  |
| 12:00 PM    | - | 1:00 PM  | 0        | 0            | 0        | 0         | 0        | 0            | 33        | 3                | 33  | 3                       | 103 |  |
| 1:00 PM     | - | 2:00 PM  | 0        | 0            | 0        | 0         | 0        | 0            | 9         | 21               | 9   | 20                      | 92  |  |
| 2:00 PM     | - | 3:00 PM  | 0        | 0            | 0        | 4         | 0        | 0            | 0         | 24               | 0   | 28                      | 64  |  |
| 3:00 PM     | - | 4:00 PM  | 0        | 0            | 0        | 4         | 0        | 0            | 18        | 0                | 18  | 4                       | 78  |  |
| 4:00 PM     | - | 5:00 PM  | 0        | 0            | 0        | 0         | 0        | 0            | 15        | 12               | 15  | 12                      | 82  |  |
| 5:00 PM     | - | 6:00 PM  | 0        | 1            | 0        | 4         | 0        | 0            | 27        | 15               | 26  | 20                      | 88  |  |
| 6:00 PM     | - | 7:00 PM  | 0        | 0            | 0        | 21        | 0        | 0            | 12        | 18               | 11  | 40                      | 60  |  |
| 7:00 PM     | - | 8:00 PM  | 0        | 0            | 0        | 29        | 0        | 0            | 0         | 24               | 0   | 53                      | 8   |  |
| 8:00 PM     | - | 9:00 PM  | 0        | 0            | 0        | 0         | 0        | 0            | 0         | 3                | 0   | 3                       | 4   |  |
| 9:00 PM     | - | 10:00 PM | 0        | 0            | 0        | 4         | 0        | 0            | 0         | 0                | 0   | 4                       | 0   |  |
| 10:00 PM    | - | 11:00 PM | 0        | 0            | 0        | 0         | 0        | 0            | 0         | 0                | 0   | 0                       | 0   |  |
| 11:00 PM    | - | 12:00 AM | 0        | 0            | 0        | 0         | 0        | 0            | 0         | 0                | 0   | 0                       | 0   |  |
|             |   |          | 2        | 2            | 67       | 67        | 0        | 0            | 119       | 119              | 188 | 188                     |     |  |

Indicates negative trips which were increased to 0 in order to be conservative.

Note: Numbers may not directly add up due to rounding.

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| 42 280     | GSF F      | Patient | t / 57 8 | AC<br>890 G | SF St      | arκing<br>aff Δc | J ACCI   | umuia<br>Iedica | nion i<br>al Faci | able<br>litv w | /5 614            | GSF              | oflo | cal Retail              |
|------------|------------|---------|----------|-------------|------------|------------------|----------|-----------------|-------------------|----------------|-------------------|------------------|------|-------------------------|
| 72,200     | 0011       | STAFF A | UTO-PARK |             |            | PATIENT          | AUTO-PAR | KED VEHI        |                   |                |                   |                  |      |                         |
| TIME P     | ERIOD      | CAR     | DIO      | OBC         | <u>SYN</u> | CARDIO           |          | <u>OB</u>       | OBGYN             |                | PARKED<br>E TRIPS | VEHICLE<br>TRIPS |      | PARKING<br>ACCUMULATION |
|            |            | In      | Out      | In          | Out        | t In Out         |          | In              | Out               | In Out         |                   | In               | Out  |                         |
| 12:00 AM - | 1:00 AM    | 0       | 0        | 0           | 0          | 0                | 0        | 0               | 0                 | 0              | 0                 | 0                | 0    | 0                       |
| 1:00 AM -  | 2:00 AM    | 0       | 0        | 0           | 0          | 0                | 0        | 0               | 0                 | 0              | 0                 | 0                | 0    | 0                       |
| 2:00 AM -  | 3:00 AM    | 0       | 0        | 0           | 0          | 0                | 0        | 0               | 0                 | 0              | 0                 | 0                | 0    | 0                       |
| 3:00 AM -  | - 4:00 AM  | 0       | 0        | 0           | 0          | 0                | 0        | 0               | 0                 | 0              | 0                 | 0                | 0    | 0                       |
| 4:00 AM -  | - 5:00 AM  | 0       | 0        | 0           | 0          | 0                | 0        | 0               | 0                 | 0              | 0                 | 0                | 0    | 0                       |
| 5:00 AM -  | 6:00 AM    | 0       | 0        | 0           | 0          | 0                | 0        | 0               | 0                 | 0              | 0                 | 0                | 0    | 0                       |
| 6:00 AM -  | - 7:00 AM  | 0       | 0        | 0           | 0          | 0                | 0        | 0               | 0                 | 0              | 0                 | 0                | 0    | 0                       |
| 7:00 AM -  | 8:00 AM    | 2       | 0        | 4           | 0          | 0                | 0        | 0               | 0                 | 0              | 0                 | 6                | 0    | 6                       |
| 8:00 AM -  | 9:00 AM    | 17      | 0        | 21          | 0          | 0                | 0        | 0               | 0                 | 0              | 0                 | 39               | 0    | 44                      |
| 9:00 AM -  | - 10:00 AM | 9       | 0        | 29          | 0          | 10               | 0        | 0               | 0                 | 0              | 0                 | 49               | 0    | 92                      |
| 10:00 AM - | 11:00 AM   | 0       | 0        | 8           | 0          | 8                | 7        | 0               | 0                 | 0              | 0                 | 17               | 8    | 102                     |
| 11:00 AM - | 12:00 PM   | 2       | 0        | 4           | 0          | 4                | 7        | 6               | 0                 | 0              | 0                 | 16               | 8    | 110                     |
| 12:00 PM - | 1:00 PM    | 0       | 0        | 0           | 0          | 4                | 7        | 33              | 3                 | 1              | 1                 | 38               | 12   | 137                     |
| 1:00 PM -  | 2:00 PM    | 0       | 0        | 0           | 0          | 3                | 2        | 9               | 21                | 1              | 1                 | 13               | 23   | 126                     |
| 2:00 PM -  | - 3:00 PM  | 0       | 0        | 0           | 4          | 9                | 5        | 0               | 24                | 1              | 1                 | 10               | 33   | 103                     |
| 3:00 PM -  | 4:00 PM    | 0       | 0        | 0           | 4          | 5                | 6        | 18              | 0                 | 0              | 0                 | 23               | 10   | 116                     |
| 4:00 PM -  | - 5:00 PM  | 0       | 3        | 0           | 0          | 3                | 6        | 15              | 12                | 0              | 0                 | 19               | 21   | 113                     |
| 5:00 PM -  | - 6:00 PM  | 0       | 17       | 0           | 4          | 1                | 2        | 27              | 15                | 1              | 1                 | 28               | 39   | 102                     |
| 6:00 PM -  | - 7:00 PM  | 0       | 8        | 0           | 21         | 2                | 3        | 12              | 18                | 0              | 0                 | 14               | 50   | 66                      |
| 7:00 PM -  | 8:00 PM    | 0       | 0        | 0           | 29         | 0                | 1        | 0               | 24                | 0              | 0                 | 0                | 54   | 12                      |
| 8:00 PM -  | 9:00 PM    | 0       | 2        | 0           | 0          | 0                | 3        | 0               | 3                 | 0              | 0                 | 0                | 8    | 4                       |
| 9:00 PM -  | 10:00 PM   | 0       | 0        | 0           | 4          | 0                | 0        | 0               | 0                 | 0              | 0                 | 0                | 4    | 0                       |
| 10:00 PM - | 11:00 PM   | 0       | 0        | 0           | 0          | 0                | 0        | 0               | 0                 | 0              | 0                 | 0                | 0    | 0                       |
| 11:00 PM - | 12:00 AM   | 0       | 0        | 0           | 0          | 0                | 0        | 0               | 0                 | 0              | 0                 | 0                | 0    | 0                       |
|            |            | 30      | 30       | 67          | 67         | 49               | 49       | 119             | 119               | 6              | 6                 | 271              | 271  |                         |

Table 18C

Note: Numbers may not directly add up due to rounding.

## Transit

The project site is well served by public transportation. Three nearby subway stations provide access to the BMT N and the IND D subway lines. Four local bus routes (B9, B11, B16, and B70) provide access to and from the project site.

The IND D subway line runs northbound and southbound along New Utrecht Avenue to the northeast of the project site. The D line's 50<sup>th</sup> and 55<sup>th</sup> Street stations are located within walking distance of the proposed project. The BMT N line runs eastbound and westbound to the south of the project site along 61<sup>st</sup> and 62<sup>nd</sup> Street and runs northbound and southbound to the west along 4<sup>th</sup> Avenue and has a station on Fort Hamilton Parkway between 61<sup>st</sup> and 62<sup>nd</sup> Street. The D and N lines' stations are all within similar walking distances to the project site.

The B16, B70, B9, and B11 bus lines provide local service to the site. The B16 bus runs northbound and southbound along Fort Hamilton Parkway south of 57th Street, eastbound and westbound along 56th and 57th Street to the east of Fort Hamilton Parkway, and then northbound and southbound along 13th and 14th Avenue. Bus stops are located south of the project site along Fort Hamilton Parkway at 57th Street and on 57th Street between 11th Avenue and Fort Hamilton Parkway. The B70 bus runs northbound and southbound along 8th Avenue and has a bus stop at 55th Street, two blocks west of the site. The B9 bus runs eastbound and westbound along 60th Street and has stops on 60th Street immediately east and west of Fort Hamilton Parkway. Finally the B11 bus also runs eastbound and westbound but to the north of the site along 49th and 50th Streets. Bus stops are located on 49th and 50th Street immediately east and west of Fort Hamilton Parkway.

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Site generated subway and bus trips are presented in Table 19. Subway trips are assumed to be distributed evenly between the D and N lines as they both run similar routes and their stations are located within similar distances from the site. D line trips were equally distributed between the 50th Street and 55th Street stations. All N line trips would access the site via the Fort Hamilton Parkway station.

| Subway and   |           | No Acti | on Subw | av Trips | Actio | ו Subwaי | / Trips | No Ao | tion Bus | Trips | Acti | on Bus 1 | Trips |
|--------------|-----------|---------|---------|----------|-------|----------|---------|-------|----------|-------|------|----------|-------|
| Bus Trips    | Peak Hour | In      | Out     | Total    | In    | Out      | Total   | In    | Out      | Total | In   | Out      | Total |
|              |           |         |         |          |       |          |         |       |          |       |      |          |       |
| Patient      | AM        | 0       | 0       | 0        | 0     | 0        | 0       | 7     | 5        | 11    | 0    | 0        | 0     |
| Staff        | AM        | 4       | 0       | 4        | 9     | 0        | 9       | 4     | 0        | 4     | 21   | 0        | 21    |
| Local Retail | AM        | 1       | 1       | 2        |       |          |         | 1     | 1        | 2     |      |          |       |
| Total        | AM        | 5       | 1       | 7        | 9     | 0        | 9       | 12    | 5        | 17    | 21   | 0        | 21    |
|              |           |         |         |          |       |          |         |       |          |       |      |          |       |
| Patient      | MD        | 0       | 0       | 0        | 5     | 0        | 5       | 5     | 3        | 8     | 0    | 9        | 9     |
| Staff        | MD        | 0       | 0       | 0        | 0     | 0        | 0       | 0     | 0        | 0     | 0    | 0        | 0     |
| Local Retail | MD        | 7       | 7       | 13       |       |          |         | 5     | 5        | 11    |      |          |       |
| Total        | MD        | 7       | 7       | 13       | 5     | 0        | 5       | 10    | 9        | 19    | 0    | 9        | 9     |
|              |           |         |         |          |       |          |         |       |          |       |      |          |       |
| Patient      | PM        | 0       | 0       | 0        | 10    | 5        | 15      | 8     | 3        | 12    | 0    | 4        | 4     |
| Staff        | PM        | 0       | 12      | 12       | 0     | 1        | 1       | 0     | 7        | 7     | 0    | 0        | 0     |
| Local Retail | PM        | 3       | 3       | 7        |       |          |         | 3     | 3        | 6     |      |          |       |
| Total        | PM        | 3       | 15      | 19       | 10    | 6        | 15      | 11    | 14       | 25    | 0    | 5        | 5     |

Table 19Incremental No Action and Action Subway and Bus Trips

Note: Totals may not directly add up due to rounding.

The proposed project is projected to generate fewer than 200 subway or bus trips per hour at any of the nearby subway stations or bus stops. Therefore, no further transit analysis is required.

## Pedestrians

The pedestrian study area includes the corners and crosswalks at the intersections of Fort Hamilton Parkway and 54<sup>th</sup> Street, Fort Hamilton Parkway and 55<sup>th</sup> Street, 9<sup>th</sup> Avenue and 54<sup>th</sup> Street, as well as the east and west sidewalks of Fort Hamilton Parkway between 54<sup>th</sup> and 55<sup>th</sup> Street.

Tables 20 and 21 contain the pedestrian trips generated by the proposed project. Site generation pedestrian activity is expected to be generated from a combination of auto, transit, and walk trips:

- Patients and staff that park in the sub-cellar garage and walk along 54<sup>th</sup> Street and Fort Hamilton Parkway to access the project site.
- Subway trips using the "D" line 50<sup>th</sup> and 55<sup>th</sup> Street stations, and the "N" line Fort Hamilton Parkway station walk to/from the stations via Fort Hamilton Parkway, 54<sup>th</sup> Street, and 55<sup>th</sup> Street.
- Bus trips using the B70, B9, B16, and B11 buses access the facility via Fort Hamilton Parkway, 54<sup>th</sup> Street, and 55<sup>th</sup> Street.
- Walk trips access the site via Fort Hamilton Parkway, 54<sup>th</sup> Street, and 55<sup>th</sup> Street.

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• Patient and staff trips that arrive and depart via auto drop-off, taxi/ black car, or ambulette use the sidewalk at the proposed site entrance on the west side of Fort Hamilton Parkway between 54<sup>th</sup> and 55<sup>th</sup> Street.

|                        |           |        |        | lemen       | ital NO | ACTION    | euesi     |        | hə  |      |           |       |
|------------------------|-----------|--------|--------|-------------|---------|-----------|-----------|--------|-----|------|-----------|-------|
| No Action              |           |        | Medica | al Facility |         |           |           |        |     |      |           |       |
| No Action<br>Rod Trips |           |        |        |             |         | Taxi /    |           |        |     |      | Taxi /    | Total |
| Feu mps                | Self Park | Subway | Bus    | Walk        | Dropoff | Ambulette | Self Park | Subway | Bus | Walk | Ambulette |       |
| AM                     | 25        | 4      | 16     | 3           | 8       | 5         | 1         | 2      | 2   | 29   | 1         | 96    |
| MD                     | 18        | 0      | 8      | 5           | 11      | 0         | 4         | 13     | 11  | 184  | 7         | 261   |
| PM                     | 21        | 12     | 19     | 4           | 5       | 2         | 2         | 7      | 6   | 97   | 3         | 178   |

Table 20Incremental No Action Pedestrian Trips

Note: Totals may not directly add up due to rounding.

Table 21Incremental Action Pedestrian Trips

| Action              |           | Medical Facility |                 |                    |         |           |       |  |  |  |  |  |  |  |
|---------------------|-----------|------------------|-----------------|--------------------|---------|-----------|-------|--|--|--|--|--|--|--|
| Action<br>Dod Trinc |           |                  |                 |                    |         | Taxi /    | Total |  |  |  |  |  |  |  |
| Peu mps             | Self Park | Subway           | Bus             | Walk               | Dropoff | Ambulette |       |  |  |  |  |  |  |  |
| AM                  | 30        | 9                | 21              | 21                 | 9       | 4         | 93    |  |  |  |  |  |  |  |
| MD                  | 55        | 5                | 9               | 19                 | 27      | 20        | 133   |  |  |  |  |  |  |  |
| PM                  | 73        | 15               | 5               | 39                 | 52      | 14        | 198   |  |  |  |  |  |  |  |
| NI - 4 T - 4 - 1    |           | diam at his a    | منام من المالية | And the second de- |         |           |       |  |  |  |  |  |  |  |

Note: Totals may not directly add up due to rounding.

Pedestrian flow diagrams, presenting the pedestrian volumes in the vicinity of the site, follow this technical memo. Crosswalks, corners, and other sidewalks approaching the site are projected to have fewer than 200 additional site-generated trips and, therefore, would not require further analysis.

## STANTEC CONSULTING SERVICES INC.

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c. Deirdre A. Carson

Note: A no action project map/listing, incremental no action and action vehicular and pedestrian trip assignments and parking survey tables follow this technical memo.

No Action Project List



Brooklyn, New York

|         |                              |       |        |                                   | Gross Floor | Zoning     | Comm-  | Comm-<br>unity | Resi-   | Dwelling |  | 400 ft<br>study | 1/2 mile   |
|---------|------------------------------|-------|--------|-----------------------------------|-------------|------------|--------|----------------|---------|----------|--|-----------------|------------|
| Map No. | Address                      | Block | Lot(s) | Bldg Height                       | Area        | Floor Area | ercial | Facility       | dential | Units    | Notes                                  | area            | study area |
| 1       | 984 52nd St.                 | 5659  | 42     | 4 story, penthouse, cellar        | 5,601       | 4,366      | 0      | 0              | 4,366   | i 6      | no parking                             | x               | х          |
|         |                              |       |        |                                   |             |            |        |                |         |          | subcellar - parking                    |                 |            |
|         |                              |       |        | 49 ft - 3 story plus cellar, sub- |             |            |        |                |         |          | cellar, 1 fl, mezz - commercial        |                 |            |
| 2       | 5814-5820 Ft. Hamilton Pkwy. | 5701  | 40     | cellar, mezzanine                 | 38,859      | 22,296     | 10,602 | 11,694         | C       | ) (      | 2-3 fl - comm fac                      |                 | х          |
|         |                              |       |        | 45 feet + setback to 54 ft -      |             |            |        |                |         |          |  |                 |            |
| 3       | 843-845 54th St.             | 5665  | 60, 61 | 6 story, cellar, basement         | 13,595      | 5 10,304   | 0      | 1,505          | 8,799   | 10       | community facility in basement         |                 | х          |
| 4       | 1128 56th St.                | 5689  | 19     | 3 story                           | 5,602       | 5,595      | 0      | 0              | 5,595   | 2        |  |                 | x          |
| 5       | 864 59th St.                 | 5707  | 33     | 48 ft - 4 story, cellar           | 7,399       | 4,975      | 0      | 3,639          | 3,426   | 5 5      | daycare center on 1st fl & cellar      |                 | х          |
| 6       | 857 60th St.                 | 5707  | 57     | 64 ft - 6 story, w/cellar         | 9,728       | 7,533      | 2,335  | 0              | 5,966   | 5 9      | 768 sf of commercial FA is in cellar   |                 | х          |
| 7       | 1154 59th St.                | 5710  | 23     | 35 ft - 3 story w/cellar          | 4,914       | 3,490      | 0      | 0              | 3,490   | ) 3      |  |                 | х          |
| 8       | 1152-1154 59th St.           | 5710  | 22     | 35 ft - 3 story w/cellar          | 5,040       | 3,597      | 0      | 0              | 3,597   | 3        |  |                 | х          |
| 9       | 1248 56th St.                | 5690  | 24     | 35 ft - 3 story w/cellar          | unknown     | 6,496      | 0      | 0              | 6,496   | 5 1      | single family home                     |                 | x          |
| 10      | 1262 50th St.                | 5648  | 32     | 34 ft - 3 story w/cellar          | 10,154      | 7,588      | 0      | 0              | 7,588   | 6        | j                                      |                 | x          |
| 11      | 1246 49th St.                | 5641  | 126    | 45 ft - 4 story w/cellar          | 6,276       | 6 4,407    | 0      | 0              | 4,407   | 3        |  |                 | x          |
| 12      | 1118 45th St.                | 5615  | 18     | 46 ft - 4 story w/cellar          | 12,435      | 9,948      | 0      | 0              | 9,948   | 6        | j                                      |                 | x          |
| 13      | 4506 12th Ave.               | 5615  | 41     | 57 ft - 5 story w/cellar          | 21,966      | 5 17,698   | 0      | 0              | 17,698  | 10       |  |                 | х          |
| 14      | 1190 44th St.                | 5609  | 44     | 45 ft - 4 story w/cellar          | unknown     | 5,500      | 0      | 0              | 5,500   | ) 4      | ł                                      |                 | x          |
|         |                              |       |        |                                   |             |            |        |                |         |          | ambulatory diagnostic treatment health |                 |            |
| 15      | 757 58th St.                 | 850   | 55     | 49 ft - 4 story w/cellar          | 5,344       | 4,000      | 0      | 2,594          | 2,706   | i 3      | care facility in cellar & 1st fl.      |                 | х          |
| 16      | 716 57th St.                 | 850   | 14     | 40 ft - 4 story w/cellar          | 6,009       | 4,005      | 0      | 994            | 3,011   | . 5      |  |                 | х          |
| 17      | 749 49th St.                 | 777   | 59, 60 | 50 ft - 4 story w/cellar          | 9,929       | 7,539      |        |                | 7,539   | 8        | 3                                      |                 | х          |
|         | Totals                       |       |        |                                   | 162,851     | 129,337    | 12,937 | 20,426         | 100,132 | 84       |  |                 |            |

х

х

х

|                                 | this new school addition  |
|---------------------------------|---------------------------|
| 5105 Ft. Hamilton Pkwy - PS 160 | opened in September 2012  |
| Annex                           | with 410 seats            |
|                                 | this new school opened in |
|                                 | September 2012 with 267   |
| 942 62nd St - PS 310            | seats                     |

Sources: NYC Department of Buildings, NYC School Construction Authority.

Sources checked that did not provide any relevent info: NYC Department of City Planning, NYC Department of Housing Preservation and Development. All projects listed are as-of-right. No current/recent CEQR applications found for the study area. Incremental No Action Trip Assignments

2016 AM No Action (As-of-Right) Condition Incremental Traffic Volumes



2016 MD No Action (As-of-Right) Condition Incremental Traffic Volumes



2016 PM No Action (As-of-Right) Condition Incremental Traffic Volumes



Incremental Action Trip Assignments

2016 AM Action Condition Incremental Traffic Volumes



2016 MD Action Condition Incremental Traffic Volumes



2016 PM Action Condition Incremental Traffic Volumes



# Incremental No Action Pedestrian Assignments

#### Total Pedestrian Impact



# Incremental Action Pedestrian Assignments
#### **Total Pedestrian Impact**



## **Parking Analysis Tables**



#### FORT HAMILTON PARKWAY EAS PARKING INVENTORY MAP

| Map No. | Parking Regulation                                       |
|---------|--|
| 1       | 1 Hr Metered Parking from 8am - 7pm except Sun           |
| 2       | No Parking from 8am - 8:30am except Sun                  |
| 3       | No Parking Anytime                                       |
| 4       | No Standing except Authorized Vehicles                   |
| 5       | No Standing  |
| 6       | No Standing, Bus Stop                                    |
| 7       | No Standing Anytime                                      |
| 8       | No Parking 9:30 -11:00am, Thursday                       |
| 9       | No Parking 9:30 - 11:00am, Monday                        |
| 10      | No Parking 8:30 - 10:00am, Thursday                      |
| 11      | No Parking 8:30 - 10:00am, Monday                        |
| 12      | No Parking 7:30 - 8:00am                                 |
| 13      | No Standing 7:00am - 4:00pm, School Days                 |
| 14      | No Standing 7:00am - 7:00pm, School Days                 |
| 15      | 2 Hr Metered Parking from 9:00am - 7:00pm, except Sunday |
| 16      | No Parking 8:00am - 7:00pm                               |
| 17      | 2 Hr Metered Parking from 8:00am - 7:00pm, except Sunday |
| 18      | No Parking 8:00 - 8:30am                                 |

FORT HAMILTON PARKWAY EAS PARKING UTILIZATION SURVEY - 1/4 MILE RADIUS OF PROJECT SITE Tuesday, July 08, 2014

| EASTBOUND, WESTBOU    | ND STREETS               |                            | AM PEAK          |                 |          |            | MIDDAY PEAK |            |          |            | PM PEAK  |            |          |            |
|-----------------------|--------------------------|----------------------------|------------------|-----------------|----------|------------|-------------|------------|----------|------------|----------|------------|----------|------------|
| Street                | from                     | to                         | North            | / West          | South    | / East     | North       | / West     | South    | / East     | North    | / West     | South    | / East     |
|                       |                          |                            | Occupied         | Unoccupied      | Occupied | Unoccupied | Occupied    | Unoccupied | Occupied | Unoccupied | Occupied | Unoccupied | Occupied | Unoccupied |
| 50th St               | 11th Ave                 | Fort Hamilton Parkway      |                  |                 |          |            | 17          | 0          | 12       | 0          | 16       | 0          | 11       | 0          |
| 50th St               | Fort Hamilton Parkway    | 10th Ave                   |                  |                 |          |            | 12          | 0          | 8        | 0          | 10       | 0          | 8        | 0          |
| 50th St               | 10th Ave                 | 9th Ave                    |                  |                 |          |            | 27          | 2          | 26       | 0          | 27       | 0          | 27       | 0          |
| E4 + 01               |                          | W. B. I                    |                  |                 |          |            | 15          |            | 17       |            | 10       |            |          |            |
| 51st St               | 11th Ave                 | Fort Hamilton Parkway      |                  |                 |          |            | 15          | 0          | 17       | 2          | 16       | 0          | 17       | 0          |
| 51st St               | Fort Hamilton Parkway    | 10th Ave                   |                  |                 |          |            | 11          | 0          | 10       | 0          | 11       | 0          | 9        | 0          |
| 51st St               | 10th Ave                 | 9th Ave                    |                  |                 |          |            | 21          | 1          | 28       | 0          | 26       | 0          | 30       | 0          |
| 51st St               | 9th Ave                  | 8th Ave                    |                  |                 |          |            | 23          | 4          | 27       | 0          | 27       | 0          | 31       | 0          |
| 50. 1.01              |                          |                            |                  |                 |          |            | 40          |            | 10       |            |          |            |          |            |
| 52nd St               | 11th Ave                 | Fort Hamilton Parkway      |                  |                 |          |            | 16          | 1          | 19       | 1          | 17       | 2          | 22       | 0          |
| 52nd St               | Fort Hamilton Parkway    | 10th Ave                   |                  |                 |          |            | 7           | 0          | 10       | 0          | 6        | 0          | 10       | 0          |
| 52nd St               | 10th Ave                 | 9th Ave                    |                  |                 |          |            | 34          | 2          | 34       | 0          | 33       | 0          | 37       | 0          |
| 52nd St               | 9th Ave                  | 8th Ave                    |                  |                 |          |            | 22          | 2          | 31       | 0          | 21       | 3          | 33       | 1          |
| F0-4 04               | 444- 4                   | Fast Llassifian Deducer    | 40               | 0               | 47       | 0          | 04          | 0          | 40       | 0          | 40       | 0          | 00       | 0          |
| Dolu Ol               | Fort Hemilton Dorkwov    | Oth Ave                    | 10               | 3               | 17       | 2          | 21          | 2          | 19       | 0          | 10       | 0          | 23       | 0          |
| 53rd St               | Fort Hamilton Parkway    | 9th Ave                    | 29               | 1               | 40       | 2          | 31          | 2          | 39       | 0          | 32       | 0          | 39       | 0          |
| 5310 51               | 9th Ave                  | 8th Ave                    | 22               | 1               | 30       | 1          | 25          | U          | 31       | U          | 23       | U          | 30       | U          |
| E 445 Ot              | 444- 4                   | Fast Llassifian Deducer    | 01               | 4               | 04       |            | 00          | 4          | 40       | 0          | 00       | 4          | 45       | 0          |
| 54th St               | Tith Ave                 | Port Hamilton Parkway      | 21               | 1               | 31       | 1          | 22          | 4          | 16       | 9          | 20       | 4          | 15       | 2          |
| DHUI DI               | Port Hamilton Parkway    | Still AVE                  | 32               | 2               | 38<br>15 | 2          | 32          | U          | 38       | D<br>C     | 32       | U          | 39       | U          |
| 04III SI              | Sul Ave                  | oui Ave                    | 21               | U               | 15       | U          | 24          | 2          | 31       | U          | 26       | U          | 29       | U          |
| 55th 04               | 444- 4                   | Fast Userittee Dedu        | 00               |                 | 00       |            | 40          |            | 40       | 0          | 44       | 0          | 47       |            |
| Souri St              | Titth AVe                | Fort Hamilton Parkway      | 20               | 2               | 22       | 3          | 13          | 4          | 18       | 6          | 11       | 6          | 17       | 6          |
| Souri St              | Fort Hamilton Parkway    | Stri AVE                   | 26               | 2               | 30       | 4          | 27          | 3          | 29       | 2          | 22       | 2          | 31       | 3          |
| ootri St              | 9th AVe                  | otn AVE                    | 27               | 4               | 32       | U          | 28          | 1          | 31       | U          | 25       | U          | 25       | U          |
| 50th 04               | 4.446                    | Fast Userittee Deals       | 00               | -               | 00       |            | 44          | -          | 45       |            | 40       | -          | 45       |            |
|                       | Tith AVe                 | Fort Hamilton Parkway      | 20               | 5               | 23       | 5          | 14          | 5          | 15       | 4          | 16       | 5          | 15       | 6          |
| 56th St               | Fort Hamilton Parkway    | 9th Ave                    | 25               | 0               | 25       | 0          | 28          | 0          | 28       | 0          | 29       | 0          | 30       | 0          |
| 56th St               | 9th Ave                  | 8th Ave                    | 22               | 2               | 21       | 3          | 29          | 0          | 25       | 1          | 25       | 3          | 30       | 3          |
|                       |                          |                            |                  |                 |          |            |             |            |          |            |          |            |          | _          |
| 57th St               | 11th Ave                 | Fort Hamilton Parkway      | 22               | 5               | 28       | 4          | 18          | 1          | 24       | 2          | 13       | 6          | 16       | 7          |
| 57th St               | Fort Hamilton Parkway    | 9th Ave                    | 25               | 0               | 28       | 1          | 26          | 0          | 29       | 0          | 25       | 0          | 31       | 0          |
| 57th St               | 9th Ave                  | 8th Ave                    | 22               | 0               | 25       | 3          | 28          | 0          | 28       | 0          | 26       | 3          | 29       | 3          |
|                       |                          |                            |                  |                 |          |            |             |            |          |            |          |            |          |            |
| 58th St               | 11th Ave                 | Fort Hamilton Parkway      | 28               | 0               | 35       | 0          | 28          | 3          | 38       | 0          | 25       | 0          | 36       | 0          |
| 58th St               | Fort Hamilton Parkway    | 9th Ave                    | 24               | 3               | 29       | 3          | 25          | 0          | 29       | 2          | 26       | 0          | 26       | 2          |
|                       |                          |                            |                  |                 |          |            |             |            |          |            |          |            |          |            |
| 59th St               | 10th Ave                 | 9th Ave                    | 18               | 1               | 27       | 0          |             |            |          |            |          |            |          |            |
|                       |                          |                            |                  |                 |          |            | _           |            |          |            |          |            | -        |            |
| 8th Ave               | 53rd St                  | 54th St                    |                  |                 |          |            | 5           | 0          | 10       | 0          | 4        | 1          | 6        | 4          |
| 8th Ave               | 54th St                  | 55th St                    |                  |                 |          |            | 8           | 0          | 5        | 0          | 8        | 0          | 5        | 0          |
| 8th Ave               | 55th St                  | 56th St                    |                  |                 |          |            | 4           | 1          | 8        | 0          | 5        | 0          | 8        | 0          |
|                       |                          |                            |                  |                 |          |            | _           |            | _        |            | -        |            | _        | _          |
| 9th Ave               | 50th St                  | 51st St                    |                  |                 |          |            | 7           | 0          | 9        | 0          | 6        | 1          | 7        | 0          |
| 9th Ave               | 51st St                  | 52nd St                    |                  |                 |          |            | 7           | 0          | 7        | 0          | 6        | 1          | 7        | 0          |
| 9th Ave               | 52nd St                  | 53rd St                    |                  |                 |          |            | 6           | 0          | 7        | 0          | 6        | 0          | 8        | 0          |
| 9th Ave               | 53rd St                  | 54th St                    |                  |                 |          |            | 7           | 0          | 9        | 0          | 7        | 0          | 9        | 0          |
| 9th Ave               | 54th St                  | 55th St                    |                  |                 |          |            | 6           | 0          | 8        | 0          | 6        | 0          | 8        | 0          |
| 9th Ave               | 55th St                  | 56th St                    |                  |                 |          |            | 7           | 0          | 9        | 0          | 7        | 0          | 9        | 0          |
| 9th Ave               | 56th St                  | 57th St                    |                  |                 |          |            | 7           | 1          | 9        | 0          | 7        | 1          | 8        | 1          |
| 9th Ave               | 57th St                  | 58th St                    |                  |                 |          |            | 6           | 1          | 8        | 0          | 6        | 0          | 9        | 0          |
| 9th Ave               | 58th St                  | 59th St                    |                  |                 |          |            | 7           | 0          | 8        | 0          | 7        | 0          | 7        | 1          |
|                       |                          |                            |                  |                 |          |            | _           |            | _        |            | -        |            | _        |            |
| 10th Ave              | 49th St                  | 50th St                    |                  |                 |          |            | 7           | 0          | 7        | 1          | 6        | 1          | 7        | 1          |
| 10th Ave              | SUIN St                  | 51st St                    |                  |                 |          |            | 9           | 0          | 8        | 0          | 8        | 1          | 8        | 0          |
|                       |                          |                            |                  |                 |          |            | _           |            |          |            | -        |            | _        |            |
| 11th Ave              | 51st St                  | 52nd St                    |                  |                 |          |            | 7           | 1          | 8        | 0          | 6        | 1          | 7        | 1          |
| 11th Ave              | 52nd St                  | 53rd St                    |                  |                 |          |            | 5           | 2          | 8        | 0          | 6        | 1          | 6        | 2          |
| 11th Ave              | 53rd St                  | 54th St                    |                  |                 |          |            | 6           | 1          | 7        | 2          | 7        | 0          | 7        | 2          |
| 11th Ave              | 54th St                  | 55th St                    |                  |                 |          |            | 6           | 1          | 5        | 3          | 7        | 0          | 7        | 1          |
| 11th Ave              | 55th St                  | 56th St                    |                  |                 |          |            | 7           | 1          | 7        | 1          | 5        | 3          | 6        | 2          |
| 11th Ave              | 56th St                  | 57th St                    |                  |                 |          |            | 6           | 1          | 8        | 1          | 4        | 3          | 4        | 5          |
|                       | Foul C                   | 54 + 61                    |                  |                 |          |            |             |            |          |            |          |            |          |            |
| Fort Hamilton Parkway | 50th St                  | 51st St                    |                  |                 |          |            | 9           | 1          | 10       | 1          | 8        | 0          | 8        | 0          |
| Fort Hamilton Parkway | 51st St                  | 52nd St                    |                  |                 |          |            | 10          | 0          | 5        | 1          | 10       | 0          | 8        | 0          |
| Fort Hamilton Parkway | 52nd St                  | 53rd St                    |                  |                 |          |            | 9           | 0          | 10       | 0          | 10       | 0          | 9        | 0          |
| Fort Hamilton Parkway | 53rd St                  | 54th St                    |                  |                 |          |            | 9           | 0          | 7        | 0          | 9        | 0          | 7        | 0          |
| Fort Hamilton Parkway | 54th St                  | 55th St                    |                  |                 |          |            | 8           | 1          | 3        | 1          | 9        | 0          | 3        | 1          |
| Fort Hamilton Parkway | 55th St                  | 56th St                    |                  |                 |          |            | 10          | 0          | 8        | 0          | 10       | 0          | 6        | 1          |
| Fort Hamilton Parkway | 56th St                  | 57th St                    |                  |                 |          |            | 9           | 1          | 9        | 0          | 9        | 0          | 6        | 2          |
| Fort Hamilton Parkway | 57th St                  | 58th St                    |                  |                 |          |            | 7           | 0          | 6        | 1          | 6        | 1          | 7        | 1          |
| Fort Hamilton Parkway | 58th St                  | 59th St                    |                  |                 |          |            | 4           | 1          | 5        | 0          | 5        | 0          | 5        | 0          |
|                       | SIUDY AREA TOTALS        |                            | 428              | 32              | 496      | 34         | 829         | 53         | 908      | 47         | 804      | 49         | 898      | 58         |
| TO                    | IAL AVAILABLE SPAC       | ES                         |                  | 6               | 6        |            |             | 10         | 10       |            |          | 10         | 17       |            |
|                       | Indicates segments where | data could not be collecte | d within the and | ronriate neak n | eriod    |            |             |            |          |            |          |            |          |            |

Indicates segments where data could not be collected within the appropriate peak period.

#### FORT HAMILTON PARKWAY EAS PARKING ANALYSIS

#### **Existing Parking Summary**

|                         |        | Mor       | ning     |             |        | Mid       | day      |             | Evening |           |          |             |  |
|-------------------------|--------|-----------|----------|-------------|--------|-----------|----------|-------------|---------|-----------|----------|-------------|--|
| Parking                 | Demand | Available | Capacity | Utilization | Demand | Available | Capacity | Utilization | Demand  | Available | Capacity | Utilization |  |
| On Street               | 924    | 66        | 990      | 93.3%       | 1737   | 100       | 1837     | 94.6%       | 1702    | 107       | 1809     | 94.1%       |  |
| Off Street <sup>a</sup> |        |           |          |             |        |           |          |             |         |           |          |             |  |
| Total                   | 924    | 66        | 990      | 93.3%       | 1737   | 100       | 1837     | 94.6%       | 1702    | 107       | 1809     | 94.1%       |  |

<sup>a</sup> No off-street parking facilities within a 1/4 mile of the project site.

#### Increase in Parking Demand due to Background Growth

|            |        | Mor       | ning     |             |        | Mid       | lday     |             | Evening |           |          |             |  |
|------------|--------|-----------|----------|-------------|--------|-----------|----------|-------------|---------|-----------|----------|-------------|--|
| Parking    | Demand | Available | Capacity | Utilization | Demand | Available | Capacity | Utilization | Demand  | Available | Capacity | Utilization |  |
| On Street  | 947    | 43        | 990      | 95.7%       | 1781   | 56        | 1837     | 97.0%       | 1745    | 64        | 1809     | 96.5%       |  |
| Off Street |        |           |          |             |        |           |          |             |         |           |          |             |  |
| Total      | 947    | 43        | 990      | 95.7%       | 1781   | 56        | 1837     | 97.0%       | 1745    | 64        | 1809     | 96.5%       |  |

#### Additional No Action Demand

|                         | Morning | Midday | Evening |
|-------------------------|---------|--------|---------|
| Location                | Demand  | Demand | Demand  |
| On Street               | 0       | 0      | 0       |
| Off Street <sup>b</sup> | 36      | 35     | 16      |
| Total                   | 36      | 35     | 16      |

<sup>b</sup> Represents demand to Proposed No Action Private Off-Street Parking Facility.

#### **No Action Parking Summary**

|                         |        | Mor       | ning     |             |        | Mid       | lday     |             | Evening |           |          |             |  |
|-------------------------|--------|-----------|----------|-------------|--------|-----------|----------|-------------|---------|-----------|----------|-------------|--|
| Parking                 | Demand | Available | Capacity | Utilization | Demand | Available | Capacity | Utilization | Demand  | Available | Capacity | Utilization |  |
| On Street               | 947    | 43        | 990      | 95.7%       | 1781   | 56        | 1837     | 97.0%       | 1745    | 64        | 1809     | 96.5%       |  |
| Off Street <sup>c</sup> | 36     | 46        | 82       | 43.9%       | 35     | 47        | 82       | 42.7%       | 16      | 66        | 82       | 19.5%       |  |
| Total                   | 983    | 89        | 1072     | 91.7%       | 1816   | 103       | 1919     | 94.6%       | 1761    | 130       | 1891     | 93.1%       |  |

<sup>c</sup> No Action Parking Demand Generated by the Proposed Project will be fully accommodated in the Proposed Private Off-Street Parking Facility.

#### Additional Action Demand

|                         | Morning | Midday | Evening |
|-------------------------|---------|--------|---------|
| Location                | Demand  | Demand | Demand  |
| On Street <sup>d</sup>  | 4       | 4      | 4       |
| Off Street <sup>e</sup> | 56      | 103    | 88      |
| Total                   | 60      | 107    | 92      |

<sup>b</sup> Includes an increase in demand of four (4) vehicles due to proposed modifications to on-street parking regulations on Fort Hamilton Pkwy (fronting the proposed facility) and 54th Street (adjacent to the entrance to the proposed off-street parking facility).

<sup>e</sup> Represents demand to Proposed No Action Private Off-Street Parking Facility.

#### Action Parking Summary

|                           |        | Mor       | ning     |             |        | Mid       | lday     |             | Evening |           |          |             |  |
|---------------------------|--------|-----------|----------|-------------|--------|-----------|----------|-------------|---------|-----------|----------|-------------|--|
| Parking                   | Demand | Available | Capacity | Utilization | Demand | Available | Capacity | Utilization | Demand  | Available | Capacity | Utilization |  |
| On Street                 | 951    | 39        | 990      | 96.1%       | 1785   | 52        | 1837     | 97.2%       | 1749    | 60        | 1809     | 96.7%       |  |
| Off Street <sup>f,g</sup> | 92     | 58        | 150      | 61.3%       | 138    | 12        | 150      | 92.0%       | 104     | 46        | 150      | 69.3%       |  |
| Total                     | 1043   | 97        | 1140     | 91.5%       | 1923   | 64        | 1987     | 96.8%       | 1853    | 106       | 1959     | 94.6%       |  |

<sup>f</sup> Action Parking Demand Generated by the Proposed Project to the Private Off-Street Parking Facility will not accommodate parking demand

during the midday peak period.

<sup>g</sup> The capacity of the Action Private Off-Street Parking Facility will increase by 68 spaces to 150 parking spaces.

#### Conclusion - No Parking Shortfall generated by the Proposed Project.

## APPENDIX 5: NO ACTION DEVELOPMENT TRAVEL DEMAND FACTOR MEMO

## Memo



To:Ingrid Young<br/>New York City Department of City PlanningFrom:Christopher Mojica, P.E.<br/>Steve Abendschein, P.E.File:193410287Date:August 14, 2013

### Reference: 5402 Fort Hamilton Parkway EAS – No Action Development Project Travel Demand Factors & Appropriateness of Considering No Action Development Projects as Part of the General Background Growth within the Study Area

This memorandum summarizes the transportation planning assumptions (travel demand factors) to be used for No Action (soft site) developments planned for completion on or before 2016, which is the year that the Proposed Project is expected to be completed. Additionally, this technical memorandum will outline the appropriateness of considering the planned No Action development projects as part of the general background growth within the traffic study area (that is, not superimposing the No Action developments onto the general projected background growth in traffic). This memorandum is a supplement to the July 2, 2013 *Transportation Screening Analyses & Proposed Travel Demand Factors* memorandum, which was approved by the New York City Department of City Planning's Environmental Assessment Review Division on July 8, 2013. Wherever possible, assumptions regarding trip generation, trip assignment, mode split and trip distribution are consistent with what is set forth in the 2012 City Environmental Quality Review (CEQR) Technical Manual.

## PLANNED NO ACTION DEVELOPMENTS WITHIN THE TRAFFIC STUDY AREA

In addition to the projected background growth and proposed as-of-right site development, development projects within a ½-mile from a project site that are expected to be complete by the 2016 analysis year were considered as part of the development of 2016 No-Action conditions<sup>1</sup>. The no-action list is summarized in Table 1 on the following page.

<sup>&</sup>lt;sup>1</sup> See July 2, 2013 *Transportation Screening Analyses & Proposed Travel Demand Factors* memorandum for more information regarding assumptions pertaining to projected background growth and the proposed as-of-right development.

August 14, 2013 Ingrid Young, Department of City Planning Page 2 of 8

#### Reference: 5402 Fort Hamilton Parkway EAS – No Action Development Project Travel Demand Factors & Appropriateness of Considering No Action Development Projects as Part of the General Background Growth

## Table 1Projects Under Construction or Expected to Be Complete by 2016(½-Mile Study Area)

| Project<br>Number | Site Description                         | Building Program / Comments                   |
|-------------------|--|---|
| 1                 | 984 52nd Street<br>(Block 5659, Lot 42)  | 6 Residential Units                           |
| 2                 | 5814-5820 Fort Hamilton Parkway          | 10,602 GSF Commercial Retail                  |
|                   | (Block 5701, Lot 40)                     | 11,694 GSF Community Facility                 |
| 3                 | 843-845 54th Street                      | 10 Residential Units                          |
|                   | (Block 5665, Lots 60 & 61)               | 1,505 GSF Community Facility                  |
| 4                 | 1128 56th Street<br>(Block 5689, Lot 19) | 2 Residential Units                           |
| 5                 | 864 59th Street                          | 5 Residential Units                           |
| ő                 | (Block 5707, Lot 33)                     | 3,639 GSF Community Facility (Daycare)        |
| 6                 | 857 60th Street                          | 9 Residential Units                           |
| 0                 | (Block 5707, Lot 57)                     | 2,335 GSF Commercial Retail                   |
| 7                 | 1154 59th Street                         | 3 Residential Units                           |
| '                 | (Block 5710, Lot 23)                     | o residental onto                             |
| 8                 | 1152-1154 59th Street                    | 3 Residential Units                           |
| 0                 | (Block 5710, Lot 22)                     | o Residential Onits                           |
| q                 | 1248 56th Street                         | Single Family Home                            |
| 5                 | (Block 5690, Lot 24)                     | Single Fairing Home                           |
| 10                | 1262 50th Street                         | 6 Posidontial Units                           |
| 10                | (Block 5648, Lot 32)                     | o Residential Onits                           |
| 11                | 1246 49th Street                         | 2 Residential Units                           |
| 11                | (Block 5641, Lot 126)                    | 3 Residential Onits                           |
| 10                | 1118 45th Street                         | 6 Posidential Unite                           |
| 12                | (Block 5615, Lot 41)                     | o Residential Onlis                           |
| 12                | 4506 12th Avenue                         | 10 Posidential Units                          |
| 15                | (Block 5609, Lot 44)                     | To Residential Onits                          |
| 14                | 1190 44th Street                         | 4 Posidential Units                           |
| 14                | (Block 5609, Lot 44)                     | 4 Residential Onits                           |
| 15                | 757 58th Street                          | 3 Residential Units                           |
| 15                | (Block 850, Lot 55)                      | 2,594 GSF Community Facility (Health Care)    |
| 16                | 716 57th Street                          | 5 Residential Units                           |
| 10                | (Block 850, Lot 14)                      | 994 GSF Community Facility                    |
| 17                | 749 49th Street                          | 8 Residential Units                           |
| 17                | (Block 777, Lots 59 &60)                 | o Residential Onits                           |
|                   | E105 Et Hamilton Blank                   | This new school addition opened in September  |
| 18                | (DC 160 Appex, Block 5652 Let 21)        | 2012 with 410 seats.                          |
|                   | (PS 160 Annex - Block 5653, Lot 21)      | 55,000 GSF for entire school complex.         |
| 40                | 942 62nd St                              | This new school opened in                     |
| 19                | (PS 310 - Block 5729, Lot 24)            | September 2012 with 267 seats (24,136 GSF)    |
|                   | 986 52nd Street                          |   |
| 20                | (Block 5659, Lot 43)                     | 6 Residential Units                           |
| 0.4               | 928 55th Avenue                          | 10 Residential Units                          |
| 21                | (Block 5680, Lot 18)                     | 3,122 GSF Community Facility                  |
| Sources: N        | YC Department of Buildings NYC School    | Construction Authority NYC Department of City |
| Planning &        | NYC Department of Education              | conclusion, when y, who Department of Ony     |
| r lanning, a      |  |   |
| Note 1: All p     | projects listed are as-of-right.         |   |
| Note 2: No o      | current/recent CEQR applications found f | or the study area.                            |

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#### Reference: 5402 Fort Hamilton Parkway EAS – No Action Development Project Travel Demand Factors & Appropriateness of Considering No Action Development Projects as Part of the General Background Growth

## NO ACTION TRANSPORTATION PLANNING ASSUMPTIONS

Transportation planning assumptions used to forecast travel demand from each No Action project's land use component are discussed below and summarized in Table 2. All of the listed No Action projects have some variation of residential, retail, school or community facility components. Wherever possible, transportation planning assumptions, including mode split, trip generation and trip assignment, are consistent with assumptions stated in previously approved Final Environmental Impact Statement (FEIS) documents. These sources were supplemented by data from the 2007-2011 American Community Survey and the 2000 U.S. Census.

## RESIDENTIAL

The future without the Proposed Project (No Action) includes several soft site developments with marginal residential components.

*Daily Person Trip Rates and Temporal Distributions* – The forecasts of weekday travel demand (person trip rate) and temporal distribution for each No Action project's residential components were obtained from the 2012 CEQR Technical Manual.

*Directional Distributions* – Directional distributions for residential uses were obtained from the *Rheingold Development Rezoning FEIS*.

*Vehicle Occupancy* – Automobile and taxi vehicle occupancy rates were obtained from 2007-2011 American Community Survey and the *Rheingold Development Rezoning FEIS*, respectively.

*Modal Split* – The mode split distributions for residential uses were calculated by Stantec, using some of the methodology set forth in Appendix 7.1 of the *Crotona Park East / West Farms Rezoning FEIS*. Stantec made the following assumptions pertaining to mode split distributions:

- 2007-2011 American Community Survey Journey-to-Work (JTW) data sets (more recent than the 2000 Census data; 2010 Census data not available yet) used as the exclusive data source
- Mode split distributions for No-Action projects will be based upon the five digit zip code (11219) corresponding to the location of the proposed project
- The method for aggregating the more ambiguous modes (motorcycle, ferryboat, bicycle and other means) as well as rarely used or linked modes (e.g., railroad) is as follows:
  - Auto = Auto + Motorcycle
  - Taxi = Taxi + Other Means
  - Bus = Bus or Trolley Bus
  - Subway = Street Car or Trolley Car + Subway or Elevated + Railroad + Ferryboat All railroad trips will utilize the subway to reach project site.
  - Walk = Walk + Bicycle
  - To be conservative, the work at home mode will be excluded from the aggregation of mode splits, thereby slightly increasing (proportionately) the modal split for each mode of travel.

*Trucking Characteristics* – Residential truck trip generation rates, temporal distributions and directional distributions were obtained from Table 16-2 of the *2012 CEQR Technical Manual*.

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#### Reference: 5402 Fort Hamilton Parkway EAS – No Action Development Project Travel Demand Factors & Appropriateness of Considering No Action Development Projects as Part of the General Background Growth

### Table 2 **Transportation Planning Assumptions** No Action Project (Soft Site) Land Uses

| Land Use                    | Residentia  | I   | Lo  | cal Retai | I   |     | Daycare     |     | Com | munity Fac  | ilities | Sc   | nool (Stude | ent) | So       | hool (Staf  | ff)      |
|-----------------------------|-------------|-----|-----|-----------|-----|-----|-------------|-----|-----|-------------|---------|------|-------------|------|----------|-------------|----------|
|                             | per DU      |     | pe  | r 1000 SF |     |     | per 1000 SF |     |     | per 1000 SF |         |      | per Student |      | per Sta  | aff (Person | Trips)   |
|                             |             |     |     |           |     |     |             |     |     |             |         |      |             |      | per 1,00 | 0 SF (Truc  | k Trips) |
|                             |             |     |     |           |     |     |             |     |     |             |         |      |             |      |          |             |          |
| Person Trip Generation Rate | (1)         |     |     | (1)       |     |     | (2)         |     |     | (2)         |         |      | (3)         |      |          | (3)         |          |
| -                           | Weekday     |     | W   | Veekday   |     |     | Weekday     |     |     | Weekday     |         |      | Weekday     |      |          | Weekday     |          |
| Daily Person Trips          | 8.075       |     |     | 205       |     |     | 138         |     |     | 48          |         |      | 2           |      |          | 2           |          |
|                             |             |     |     |           |     |     |             |     |     |             |         |      |             |      |          |             |          |
|                             |             |     |     |           |     |     |             |     |     |             |         |      |             |      |          |             |          |
| Temporal Distribution       | (1)         |     |     | (1)       |     |     | (2)         |     |     | (2)         |         |      | (3)         |      |          | (3)         |          |
| AM (8 AM - 9 AM)            | 10.0%       |     |     | 3.0%      |     |     | 16.0%       |     |     | 7.1%        |         |      | 50.0%       |      |          | 5.0%        |          |
| MD (12 PM - 1 PM)           | 5.0%        |     |     | 19.0%     |     |     | 5.0%        |     |     | 10.0%       |         |      | 0.0%        |      |          | 0.0%        |          |
| PM (5 PM - 6 PM)            | 11.0%       |     |     | 10.0%     |     |     | 19.0%       |     |     | 7.2%        |         |      | 2.5%        |      |          | 2.5%        |          |
|                             |             |     |     |           |     |     |             |     |     |             |         |      |             |      |          |             |          |
| In / Out Directional Split  | (4)         |     |     | (4)       |     |     | (2)         |     |     | (2)         |         |      | (3)         |      |          | (3)         |          |
|                             | In          | Out | In  |           | Out | In  |             | Out | In  |             | Out     | In   |             | Out  | In       |             | Out      |
| AM (8 AM - 9 AM)            | 15%         | 85% | 50% |           | 85% | 53% |             | 47% | 61% |             | 39%     | 100% |             | 0%   | 100%     |             | 0%       |
| MD (12 PM - 1 PM)           | 50%         | 50% | 50% |           | 50% | 50% |             | 50% | 55% |             | 45%     | 0%   |             | 0%   | 0%       |             | 0%       |
| PM (5 PM - 6 PM)            | 70%         | 30% | 50% |           | 50% | 47% |             | 53% | 29% |             | 71%     | 0%   |             | 100% | 0%       |             | 100%     |
|                             |             |     |     |           |     |     |             |     |     |             |         |      |             |      |          |             |          |
| Modal Split                 | (5)         |     |     | (4)       |     |     | (2)         |     |     | (2)         |         |      | (3)         |      |          | (6)         |          |
| Mode                        | (U)<br>Al I |     |     | ΔΙΙ       |     |     | AL I        |     |     | AL I        |         |      | ΔI I        |      |          |             |          |
| Auto                        | 29.7%       |     |     | 2.0%      |     |     | 15.0%       |     |     | 5.0%        |         |      | 6.2%        |      |          | 38.0%       |          |
| Taxi                        | 1.7%        |     |     | 3.0%      |     |     | 5.0%        |     |     | 1.0%        |         |      | 1.7%        |      |          | 2 3%        |          |
| Bus                         | 7.7%        |     |     | 5.0%      |     |     | 10.0%       |     |     | 3.0%        |         |      | 0.0%        |      |          | 13.3%       |          |
| Subway                      | 38.7%       |     |     | 6.0%      |     |     | 20.0%       |     |     | 6.0%        |         |      | 0.0%        |      |          | 26.6%       |          |
| Walk                        | 22.2%       |     |     | 84.0%     |     |     | 50.0%       |     |     | 85.0%       |         |      | 88.2%       |      |          | 19.8%       |          |
| School Bus                  | 0.0%        |     |     | 0.0%      |     |     | 0.0%        |     |     | 0.0%        |         |      | 3.9%        |      |          | 0.0%        |          |
|                             | 100.0%      | •   |     | 100.0%    | -   |     | 100.0%      | -   | -   | 100.0%      | -       | -    | 100.0%      | -    | -        | 100.0%      | -        |
|                             |             |     |     |           |     |     |             |     |     |             |         |      |             |      |          |             |          |
| Vehicle Occupancy           | (4) (5)     |     |     | (4)       |     |     | (2)         |     |     | (2)         |         |      | (3)         |      |          | (3)         |          |
| Auto                        | 1 12        |     |     | 2 00      |     |     | 1.65        |     |     | 1.65        |         |      | 1 70        |      |          | 1 19        |          |
| Taxi                        | 1.12        |     |     | 2.00      |     |     | 1.00        |     |     | 1.00        |         |      | 1.70        |      |          | 1.10        |          |
| School Bus                  | 1.40        |     |     | 2.00      |     |     | 1.40        |     |     | 1.40        |         |      | 19.00       |      |          | 1.40        |          |
|                             |             |     |     |           |     |     |             |     |     |             |         |      | 10.00       |      |          |             |          |
|                             |             |     |     |           |     |     |             |     |     |             |         |      |             |      |          |             |          |
| Truck Trip Generation Rate  | (1)         |     |     | (1)       |     |     | (2)         |     |     | (2)         |         |      |             |      |          | (3)         |          |
|                             | Weekday     |     | w   | Veekdav   |     |     | Weekday     |     |     | Weekday     |         |      | No          |      |          | Weekday     |          |
| Daily Vehicle Trips         | 0.06        |     |     | 0.35      |     |     | 0.07        |     |     | 0.29        |         |      | Truck       |      |          | 0.07        |          |
|                             |             |     |     |           |     |     |             |     |     |             |         |      | Trip        |      |          |             |          |
| Temporal Distribution       | (1)         |     |     | (1)       |     |     | (2)         |     |     | (2)         |         |      | Generation  |      |          | (3)         |          |
| AM (8 AM - 9 AM)            | 12.0%       |     |     | 8.0%      |     |     | 9.6%        |     |     | 9.6%        |         |      | for         |      |          | 9.6%        |          |
| MD (12 PM - 1 PM)           | 9.0%        |     |     | 11.0%     |     |     | 11.0%       |     |     | 11.0%       |         |      | School      |      |          | 11.0%       |          |
| PM (5 PM - 6 PM)            | 2.0%        |     |     | 2.0%      |     |     | 1.0%        |     |     | 1.0%        |         |      | Students    |      |          | 1.0%        |          |
| (,                          | ,0          |     |     |           |     |     |             |     |     |             |         |      |             |      |          |             |          |
|                             | (1)         |     |     | (1)       |     |     | (2)         |     |     | (2)         |         |      |             |      |          | (3)         |          |
| In / Out Directional Split  | In          | Out | In  |           | Out | In  |             | Out | In  |             | Out     |      |             |      | In       |             | Out      |
|                             | 50%         | 50% | 50% |           | 50% | 50% |             | 50% | 50% |             | 50%     |      |             |      | 50%      |             | 50%      |

Sources:

 (1) New York City Environmental Quality Review (CEQR) Technical Manual, Table 16-2, 2012 (Revised June 5, 2013).
 (2) Trip Generation for Community Facility and Daycare based on Community Facility and Daycare land uses in Appendix 7.1 of the Crotona Park East/West Farms Rezoning FEIS, 2011. (3) Trip Generation for School (Student and Staff) based on School Student and School Staff uses in the Hudson Square Rezoning FEIS, 2013.

(4) Residential/Local Retail directional splits based on directional splits for residential & local retail in the Rheingold Development Rezoning FEIS, 2013.

Residential taxi vehicle occupancy based on vehicle occupancy for residential land use in the Rheingold Development Rezoning FEIS, 2013.

Local Retail modal split and vehicle occupancy based on local retail land use in the Rheingold Development Rezoning FEIS, 2013.

(5) Residential modal split & auto vehicle occupancy based on 2007-2011 American Community Survey (ACS) Means of Transportation to Work Data

for Zip Code 11219. Excludes work at home mode.

(6) School Staff modal split based on 2000 U.S. Census Reverse Journey-to-Work Data for Kings County Tracts 116, 118, and 216. Excludes work at home mode.

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#### Reference: 5402 Fort Hamilton Parkway EAS – No Action Development Project Travel Demand Factors & Appropriateness of Considering No Action Development Projects as Part of the General Background Growth

### LOCAL RETAIL

The future without the Proposed Project (No Action) includes two soft site developments with local retail components.

*Daily Person Trip Rates and Temporal Distributions* – The forecasts of weekday travel demand (person trip rate) and temporal distribution for a project's local retail component were obtained from the 2012 CEQR Technical Manual.

*Directional Distributions, Modal Split and Vehicle Occupancy* – For local retail, the weekday directional distributions, modal split, and vehicle occupancy were obtained from the *Rheingold Development Rezoning FEIS.* 

*Trucking Characteristics* – Local retail truck trip generation rates, temporal distributions and directional distributions were obtained from the 2012 CEQR Technical Manual.

## DAYCARE

Stantec's research of previous EIS's determined that daycare trip generation rates were generally higher than trip generation rates for undefined community facilities. The future without the Proposed Project (No Action) includes one daycare facility (also listed as a community facility). Therefore, it was assumed to calculate trip generation for the sole daycare facility separate from the undefined community facilities presented within the No Action development list (see Table 1) in order to conservatively estimate soft site daycare development. All weekday travel demand assumptions – Daily Person Trip Rates, Temporal and Directional Distributions, Modal Split, Vehicle Occupancy, and Trucking Characteristics – for the sole daycare facility was obtained from the Crotona Park East / West Farms Rezoning FEIS.

## **COMMUNITY FACILITY**

The future without the Proposed Project (No Action) includes five soft site developments with community facility components. Since the community facility land use is broad (four of the five proposed soft site developments are undefined and information on the sole defined community facility, a health care facility, does not include a breakdown of staff and patients), Stantec researched various EIS's to determine a conservative estimation of soft site community facility development. All weekday travel demand assumptions – *Daily Person Trip Rates, Temporal and Directional Distributions, Modal Split, Vehicle Occupancy, and Trucking Characteristics* – were obtained from the *Crotona Park East / West Farms Rezoning FEIS*.

### SCHOOL (STUDENT)

The future without the Proposed Project (No Action) includes two schools (P.S. 160 Annex and P.S 310). It should be noted that the P.S. 160 Annex building is an expansion of the existing P.S. 160 building, which is being constructed in order to alleviate existing student overcrowding. Based upon conversations with the New York City Department of City Planning, the incremental number of student seats to be analyzed for the P.S. 160 Annex was reduced from 410 seats to 100 seats in order to reflect the reduced incremental trips associated with the new P.S. 160 Annex. Due to the lack of available information on P.S. 310 (another building which is expected to alleviate student overcrowding at existing public schools within the vicinity), it was agreed with

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#### Reference: 5402 Fort Hamilton Parkway EAS – No Action Development Project Travel Demand Factors & Appropriateness of Considering No Action Development Projects as Part of the General Background Growth

the New York City Department of City Planning to analyze the full amount of student seats in the development of No Action peak hour trips.

All weekday travel demand assumptions – *Daily Person Trip Rates, Temporal and Directional Distributions, Modal Split, and Vehicle Occupancy* – for school students were obtained from the *Hudson Square Rezoning FEIS.* It should be noted that there are no *Trucking Characteristics* associated with school student trip generation.

## SCHOOL (STAFF)

The future without the Proposed Project (No Action) includes two schools (P.S. 160 Annex and P.S 310). Although staffing levels were not originally provided, Stantec researched previous EIS's for a correlation between the amount of school students and school faculty/staff. Using the ratio of students and faculty/staff within the *Hudson Square Rezoning FEIS*<sup>2</sup>, Stantec estimated the amount school staff as a proportion of the amount of students (seats) provided within the No Action development list.

Daily Person Trip Rates, Temporal Distributions, Directional Distributions, and Vehicle Occupancy – The forecasts of weekday travel demand (person trip rate), temporal distribution, directional distribution and vehicle occupancy were obtained from the Hudson Square Rezoning FEIS.

*Modal Split* – The mode split distributions for school staff use were determined using the 1000 U.S. Census Reverse Journey-to-Work data for Kings County Census Tracts 116, 118, and 216. To be conservative, the work at home mode will be excluded from the aggregation of mode splits, thereby slightly increasing (proportionately) the modal split for each mode of travel.

*Trucking Characteristics* – It is assumed that truck deliveries will be made at both school facilities. Attachment A of this technical memorandum contains Annual Facility Surveys by the New York City Department of Education, which outline square footages by room within the school. Stantec utilized the total square footages from the Annual Facility Surveys as the basis for developing truck trips. School truck trip generation rates, temporal distributions and directional distributions were obtained from the *Hudson Square Rezoning FEIS*.

Attachment B contains all of the No Action peak hour trip tables, separated by each land use. It should be noted that no peak hour truck trips were generated under any of the analyzed land uses.

<sup>&</sup>lt;sup>2</sup> From Table 13-4 of the Hudson Square Rezoning FEIS, 444 students / 40 staff/faculty = 11.1 students per staff/faculty.

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Reference: 5402 Fort Hamilton Parkway EAS – No Action Development Project Travel Demand Factors & Appropriateness of Considering No Action Development Projects as Part of the General Background Growth

## APPROPRIATENESS OF CONSIDERING NO ACTION DEVELOPMENT PROJECTS AS PART OF THE GENERAL BACKGROUND GROWTH

Subsection 343.2 – No Action Development Project Making in the 2012 CEQR Technical Manual includes a procedure to determine whether or not the proposed No Action development projects would be appropriately considered as part of the background. The procedure calls for calculating the total amount of peak hour trip making expected from all of the No Action development projects and then to calculate the percentage increase in traffic this constitutes within the study area. If the calculated percentage is less than the recommended growth rates, enumerated in Table 16-4 of the 2012 manual, it may be generally assumed that each of the developments fall within the background growth rate and do not need to be superimposed on it.

To determine the total vehicular trip making within traffic study area, Stantec placed a cordonline around the periphery of the traffic study area and calculated the vehicular trips into and out of the study area, based upon balanced 2011 peak hour traffic networks. To be conservative, turning movements which enter and immediately leave the defined cordon-line were not included in the estimation of cordon-line traffic as these movements are not projected to be impacted by the Proposed Project. The result was that there were 2,965, 2,690, and 3,260 vehicular trips along the cordon-line during the AM, MD, and PM peak hours, respectively. Attachment C contains the 2011 Existing Condition peak hour traffic networks, illustrating the turning movements summarized in Stantec's cordon-line calculation.

Utilizing the total No Action development peak hour vehicle trips, existing conditions traffic networks, and the cumulative background rates (from Table 16-4 of the *2012 CEQR Technical Manual*), Stantec compared the background growth rate to the projected growth rate attributed to the No Action development projects. This is presented in Table 3 below.

| No /  | No Action Development Project Growth Rate vs. Background Growth Rate |                |             |                       |  |  |  |  |  |  |  |
|---|--|----------------|-------------|-----------------------|--|--|--|--|--|--|--|
| Deek  | 2011 Evipting Conditions   | No Action D    | evelopments | CEQR                  |  |  |  |  |  |  |  |
| Реак  | Total Cordon-Line Volume   | Projected Peak | Percent     | Cumulative Percent    |  |  |  |  |  |  |  |
| Houi  |  | Hour Trips     | Growth      | Background Growth (a) |  |  |  |  |  |  |  |
| AM  | 2,965  | 63             | 2.12%       |                       |  |  |  |  |  |  |  |
| MD  | 2,690  | 40             | 1.49%       | 2.53%                 |  |  |  |  |  |  |  |
| PM  | 3,260  | 43             | 1.32%       |                       |  |  |  |  |  |  |  |
| Notes:  |  |                |             |                       |  |  |  |  |  |  |  |
| (a) Represents Background Growth for 5 Years (2011-2016) at 0.50% |  |                |             |                       |  |  |  |  |  |  |  |

|      |   | Table 3                      |                |  |  |  |  |  |  |  |  |  |
|------|---|------------------------------|----------------|--|--|--|--|--|--|--|--|--|
|      | Study Area (Cordon-Line) Growth Rate Comparison |                              |                |  |  |  |  |  |  |  |  |  |
| No / | Action Development Proje                        | ect Growth Rate vs. Backgrou | nd Growth Rate |  |  |  |  |  |  |  |  |  |
|      |   |                              |                |  |  |  |  |  |  |  |  |  |

As presented in Table 3, the projected peak hour trips are estimated to increase cordon-line study area traffic at a rate below the cumulative CEQR background growth rate. To be conservative, the projected peak hour trips presented in Table 3 also account for balanced taxi and school bus trips (that is, trips which are assumed to enter and exit the study area within the same peak analysis hour). Therefore, it may be generally assumed under CEQR guidelines that each of the 21 No Action developments fall within the background growth rate and do not need to be superimposed on it.

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Reference: 5402 Fort Hamilton Parkway EAS – No Action Development Project Travel Demand Factors & Appropriateness of Considering No Action Development Projects as Part of the General Background Growth

### APPROVAL OF TECHNICAL MEMORANDUM

This technical memorandum was approved by the New York City Department of City Planning via email on August 13, 2013 with the stipulation that Stantec utilizes the cumulative CEQR background growth rate (2.53 percent) in the development of future year No Action traffic networks.

### NEXT STEPS

With approval of this technical memorandum, Stantec will proceed forward with the 2016 No Action traffic analysis. The next submission will consist of the 2016 No Action traffic networks and the 2016 No Action HCS analysis.

## STANTEC CONSULTING SERVICES INC.

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c. Deirdre A. Carson

Attachments: A – Annual NYC Department of Education Facility Surveys

B – No Action Peak Hour Trip Tables, by land use

C – 2011 Existing Conditions Peak Hour Traffic Networks (with Cordon-Line)

Attachment A New York City Department of Education Annual Facility Surveys

12 - 2013

Bldg ID:

K160

Bidg Address: 5105 FORT HAMILTON PARKWAY

P.S. 160 - BROOKLYN

#### Geo District:

Survey Principal:

MARGARET RUSSO

| Addee   | d Room                | Room Numbe | er Changed   | I  | Deleted Room               |                                 |                               |                |
|---------|-----------------------|------------|--------------|----|----------------------------|---------------------------------|-------------------------------|----------------|
| Room No | 2012-2013<br>Org Name |            | Room<br>SQFT | AC | 2011-2012<br>Room Function | 2012-2013<br>Room Function      | Primary<br>Function<br>Used % | Sharing<br>Y/N |
| 101     | P.S. 160 - BROO       | OKLYN      | 840          | Ν  | FIRST GRADE                | KINDERGARTEN                    | 50 - 100                      | Ν              |
| 102     | P.S. 160 - BROO       | OKLYN      | 975          | Ν  | KINDERGARTEN               | KINDERGARTEN                    | 50 - 100                      | Ν              |
| 102B    | P.S. 160 - BROO       | OKLYN      | 234          | Y  | AP'S OFFICE                | CONFERENCE ROOM                 | 50 - 100                      | Ν              |
| 103     | P.S. 160 - BROO       | OKLYN      | 4,896        | Y  | AUDITORIUM                 | AUDITORIUM                      | 50 - 100                      | Ν              |
| 104A    | P.S. 160 - BROO       | OKLYN      | 119          | Ν  | PARENT'S ROOM              | COMMUNITY BASED<br>ORGANIZATION | 50 - 100                      | Ν              |
| 104B    | P.S. 160 - BROO       | OKLYN      | 153          | Ν  | DUPLICATING/COPY ROOM      | DUPLICATING/COPY ROOM           | 50 - 100                      | Ν              |
| 104C    | P.S. 160 - BROO       | OKLYN      | 119          | Ν  | SBST                       | PARENT'S ROOM                   | 50 - 100                      | Ν              |
| 106A    | P.S. 160 - BROO       | OKLYN      | 288          | Y  | TEACHER'S CAFETERIA        | TEACHER'S CAFETERIA             | 50 - 100                      | Ν              |
| 108     | P.S. 160 - BROO       | OKLYN      | 744          | Y  | GENERAL/MAIN OFFICE        | ATTENDANCE OFFICE               | 50 - 100                      | Ν              |
| 108B    | P.S. 160 - BROO       | OKLYN      | 288          | Y  | PRINCIPAL'S OFFICE         | AP'S OFFICE                     | 50 - 100                      | Ν              |
| 109     | P.S. 160 - BROO       | OKLYN      | 638          | Ν  | NON-D75 SPED<br>CLASSROOM  | SCIENCE CLASSROOM FOR PS        | 50 - 100                      | Ν              |
| 110     | P.S. 160 - BROO       | OKLYN      | 667          | Ν  | FIRST GRADE                | THEATRE ARTS/DRAMA              | 50 - 100                      | Ν              |
| 201     | P.S. 160 - BROO       | OKLYN      | 620          | Ν  | KINDERGARTEN               | SCIENCE CLASSROOM FOR PS        | 50 - 100                      | Ν              |
| 202     | P.S. 160 - BROO       | OKLYN      | 672          | Ν  | KINDERGARTEN               | SCIENCE CLASSROOM FOR PS        | 50 - 100                      | Ν              |
| 203     | P.S. 160 - BROO       | OKLYN      | 696          | Y  | SECOND GRADE               | KINDERGARTEN                    | 50 - 100                      | Ν              |
| 204     | P.S. 160 - BROO       | OKLYN      | 221          | Ν  | SETSS                      | GENERAL BUILDING<br>SUPPORT     | 50 - 100                      | Ν              |
| 205     | P.S. 160 - BROO       | OKLYN      | 660          | Y  | SECOND GRADE               | KINDERGARTEN                    | 50 - 100                      | Ν              |
| 206     | P.S. 160 - BROO       | OKLYN      | 660          | Y  | THIRD GRADE                | KINDERGARTEN                    | 50 - 100                      | Ν              |
| 207     | P.S. 160 - BROO       | OKLYN      | 704          | Ν  | THIRD GRADE                | KINDERGARTEN                    | 50 - 100                      | Ν              |
| 208     | P.S. 160 - BROO       | OKLYN      | 660          | Y  | KINDERGARTEN               | KINDERGARTEN                    | 50 - 100                      | Ν              |
| 209     | P.S. 160 - BROO       | OKLYN      | 572          | Y  | KINDERGARTEN               | KINDERGARTEN                    | 50 - 100                      | Ν              |
| 210     | P.S. 160 - BROO       | OKLYN      | 667          | Y  | SECOND GRADE               | KINDERGARTEN                    | 50 - 100                      | Ν              |
| 211     | P.S. 160 - BROO       | OKLYN      | 357          | Y  | NON-D75 SPED<br>CLASSROOM  | SPEECH                          | 50 - 100                      | Ν              |

2 - 2013

Bldg ID:

K160 P.S. 160 - BROOKLYN

#### Bidg Address: 5105 FORT HAMILTON PARKWAY

**Geo District:** 

Survey Principal:

MARGARET RUSSO

| Adde    | d Room Room Numb      | er Changed     | Deleted Room                  |                                   | Primary            |                |  |
|---------|-----------------------|----------------|-------------------------------|-----------------------------------|--------------------|----------------|--|
| Room No | 2012-2013<br>Org Name | Room A<br>SQFT | AC 2011-2012<br>Room Function | 2012-2013<br>Room Function        | Function<br>Used % | Sharing<br>Y/N |  |
| 214     | P.S. 160 - BROOKLYN   | 192 Y          | Y NURSE/MEDICAL SUITE         | STORAGE ROOM                      | 50 - 100           | Ν              |  |
| 301     | P.S. 160 - BROOKLYN   | 620 N          | N FIRST GRADE                 | FIRST GRADE                       | 50 - 100           | Ν              |  |
| 302     | P.S. 160 - BROOKLYN   | 725 Y          | Y THIRD GRADE                 | FIRST GRADE                       | 50 - 100           | Ν              |  |
| 303     | P.S. 160 - BROOKLYN   | 660 Y          | Y THIRD GRADE                 | FIRST GRADE                       | 50 - 100           | Ν              |  |
| 304     | P.S. 160 - BROOKLYN   | 696 N          | N THIRD GRADE                 | FIRST GRADE                       | 50 - 100           | Ν              |  |
| 305     | P.S. 160 - BROOKLYN   | 484 Y          | Y FIRST GRADE                 | ACADEMIC INTERVENTION<br>SERVICES | 50 - 100           | Ν              |  |

| 303  | P.S. 160 - BROOKLYN | 660   | Y | THIRD GRADE               | FIRST GRADE                       | 50 - 100 | Ν |
|------|---------------------|-------|---|---------------------------|-----------------------------------|----------|---|
| 304  | P.S. 160 - BROOKLYN | 696   | Ν | THIRD GRADE               | FIRST GRADE                       | 50 - 100 | Ν |
| 305  | P.S. 160 - BROOKLYN | 484   | Y | FIRST GRADE               | ACADEMIC INTERVENTION<br>SERVICES | 50 - 100 | Ν |
| 306  | P.S. 160 - BROOKLYN | 638   | Y | SECOND GRADE              | FIRST GRADE                       | 50 - 100 | Ν |
| 307  | P.S. 160 - BROOKLYN | 576   | Y | SECOND GRADE              | FUNDED - ESL                      | 50 - 100 | Ν |
| 308  | P.S. 160 - BROOKLYN | 660   | Y | NON-D75 SPED<br>CLASSROOM | NON-D75 SPED<br>CLASSROOM         | 50 - 100 | Ν |
| 309  | P.S. 160 - BROOKLYN | 1,053 | Y | MEDIA CENTER              | MEDIA CENTER                      | 50 - 100 | Ν |
| 309B | P.S. 160 - BROOKLYN | 224   | Y | COACH'S OFFICE            | COACH'S OFFICE                    | 50 - 100 | Ν |
| 309C | P.S. 160 - BROOKLYN | 98    | Ν | FUNDED - READING          | FUNDED - READING                  | 50 - 100 | Ν |
| 310  | P.S. 160 - BROOKLYN | 667   | Y | FIRST GRADE               | FIRST GRADE                       | 50 - 100 | Ν |
| 314  | P.S. 160 - BROOKLYN | 192   | Ν | STORAGE ROOM              | STORAGE ROOM                      | 50 - 100 | Ν |
| 401  | P.S. 160 - BROOKLYN | 600   | Y | FOURTH GRADE              | VACANT                            | 50 - 100 | Ν |
| 402  | P.S. 160 - BROOKLYN | 667   | Ν | FIFTH GRADE               | DANCE ROOM                        | 50 - 100 | Ν |
| 403  | P.S. 160 - BROOKLYN | 660   | N | FOURTH GRADE              | SECOND GRADE                      | 50 - 100 | Ν |
| 404  | P.S. 160 - BROOKLYN | 572   | Y | FIFTH GRADE               | SECOND GRADE                      | 50 - 100 | Ν |
| 405  | P.S. 160 - BROOKLYN | 660   | Ν | FIFTH GRADE               | ACADEMIC INTERVENTION<br>SERVICES | 50 - 100 | Ν |
| 406  | P.S. 160 - BROOKLYN | 660   | N | FOURTH GRADE              | SECOND GRADE                      | 50 - 100 | Ν |
| 407  | P.S. 160 - BROOKLYN | 672   | Y | FOURTH GRADE              | SECOND GRADE                      | 50 - 100 | Ν |
| 408  | P.S. 160 - BROOKLYN | 660   | Ν | FIFTH GRADE               | SECOND GRADE                      | 50 - 100 | Ν |
| 409  | P.S. 160 - BROOKLYN | 504   | N | ART ROOM                  | STORAGE ROOM                      | 50 - 100 | N |

<u> 12 - 2013</u>

Bldg ID:

K160 P.S. 160 - BROOKLYN

Bldg Address: 5105 FORT HAMILTON PARKWAY

Geo District:

Survey Principal:

MARGARET RUSSO

| Added Room |         | l Room                | Room Number Changed | I  | Deleted Room                |                             | <b>.</b> .         |                |
|------------|---------|-----------------------|---------------------|----|-----------------------------|-----------------------------|--------------------|----------------|
| R          | loom No | 2012-2013<br>Org Name | Room<br>SQFT        | AC | 2011-2012<br>Room Function  | 2012-2013<br>Room Function  | Function<br>Used % | Sharing<br>Y/N |
|            | 410     | P.S. 160 - BROOKLYN   | 638                 | Y  | FOURTH GRADE                | SECOND GRADE                | 50 - 100           | Ν              |
|            | CAF     | P.S. 160 - BROOKLYN   | 3,510               | Y  | STUDENT CAFETERIA           | STUDENT CAFETERIA           | 50 - 100           | Ν              |
|            | CUSTODI | P.S. 160 - BROOKLYN   | 360                 | Y  | GENERAL BUILDING<br>SUPPORT | GENERAL BUILDING<br>SUPPORT | 50 - 100           | Ν              |
|            | KITCHEN | P.S. 160 - BROOKLYN   | 468                 | Y  | KITCHEN                     | KITCHEN                     | 50 - 100           | Ν              |
|            | 101X    | P.S. 160 - BROOKLYN   | 306                 | Ν  |                             | SBST                        | 50 - 100           | Ν              |
|            | 103X    | P.S. 160 - BROOKLYN   | 1,008               | Ν  |                             | OTHER OFFICE                | 50 - 100           | Ν              |
|            | 105X    | P.S. 160 - BROOKLYN   | 480                 | Ν  |                             | OT/PT                       | 50 - 100           | Ν              |
|            | 106AX   | P.S. 160 - BROOKLYN   | 342                 | Ν  |                             | PRINCIPAL'S OFFICE          | 50 - 100           | Ν              |
|            | 106BX   | P.S. 160 - BROOKLYN   | 182                 | Ν  |                             | RECORD ROOM                 | 50 - 100           | Ν              |
|            | 106CX   | P.S. 160 - BROOKLYN   | 60                  | Ν  |                             | GENERAL/MAIN OFFICE         | 50 - 100           | Ν              |
|            | 106X    | P.S. 160 - BROOKLYN   | 612                 | Ν  |                             | GENERAL/MAIN OFFICE         | 50 - 100           | Ν              |
|            | 109X    | P.S. 160 - BROOKLYN   | 725                 | Ν  |                             | NON-D75 SPED<br>CLASSROOM   | 50 - 100           | Ν              |
|            | 114X    | P.S. 160 - BROOKLYN   | 558                 | Ν  |                             | VACANT                      | 50 - 100           | Ν              |
|            | 119AX   | P.S. 160 - BROOKLYN   | 112                 | Ν  |                             | GYMNASIUM                   | 50 - 100           | Ν              |
|            | 119X    | P.S. 160 - BROOKLYN   | 3,111               | Ν  |                             | GYMNASIUM                   | 50 - 100           | Ν              |
|            | 122X    | P.S. 160 - BROOKLYN   | 589                 | Ν  |                             | VACANT                      | 50 - 100           | Ν              |
|            | 201X    | P.S. 160 - BROOKLYN   | 1,044               | Ν  |                             | THIRD GRADE                 | 50 - 100           | Ν              |
|            | 205X    | P.S. 160 - BROOKLYN   | 990                 | Ν  |                             | THIRD GRADE                 | 50 - 100           | Ν              |
|            | 206X    | P.S. 160 - BROOKLYN   | 1,015               | Ν  |                             | THIRD GRADE                 | 50 - 100           | Ν              |
|            | 209X    | P.S. 160 - BROOKLYN   | 341                 | N  |                             | AP'S OFFICE                 | 50 - 100           | Ν              |
|            | 214X    | P.S. 160 - BROOKLYN   | 899                 | Ν  |                             | THIRD GRADE                 | 50 - 100           | Ν              |
|            | 216AX   | P.S. 160 - BROOKLYN   | 264                 | Ν  |                             | GUIDANCE OFFICE             | 50 - 100           | Ν              |
|            | 216BX   | P.S. 160 - BROOKLYN   | 169                 | N  |                             | GUIDANCE OFFICE             | 50 - 100           | Ν              |
|            |         |                       |                     |    |                             |                             |                    |                |

12 - 2013

Bldg ID:

P.S. 160 - BROOKLYN

#### Bldg Address: 5105 FORT HAMILTON PARKWAY

K160

Geo District:

Survey Principal:

MARGARET RUSSO

| Adde    | d Room                | Room Number Change | d  | Deleted Room               |                                   |                               |                |
|---------|-----------------------|--------------------|----|----------------------------|-----------------------------------|-------------------------------|----------------|
| Room No | 2012-2013<br>Org Name | Room<br>SQFT       | AC | 2011-2012<br>Room Function | 2012-2013<br>Room Function        | Primary<br>Function<br>Used % | Sharing<br>Y/N |
| 301X    | P.S. 160 - BROOKLYI   | N 672              | Ν  |                            | FOURTH GRADE                      | 50 - 100                      | N              |
| 305X    | P.S. 160 - BROOKLYI   | N 725              | Ν  |                            | FOURTH GRADE                      | 50 - 100                      | Ν              |
| 306X    | P.S. 160 - BROOKLYI   | N 475              | Ν  |                            | STAFF DEVELOPMENT                 | 50 - 100                      | Ν              |
| 308X    | P.S. 160 - BROOKLYI   | N 375              | Ν  |                            | RESOURCE ROOM                     | 50 - 100                      | Ν              |
| 309X    | P.S. 160 - BROOKLYI   | N 696              | Ν  |                            | FOURTH GRADE                      | 50 - 100                      | Ν              |
| 313AX   | P.S. 160 - BROOKLYI   | N 88               | Ν  |                            | NURSE/MEDICAL SUITE               | 50 - 100                      | Ν              |
| 313BX   | P.S. 160 - BROOKLY    | ۷ 80               | Ν  |                            | NURSE/MEDICAL SUITE               | 50 - 100                      | Ν              |
| 313CX   | P.S. 160 - BROOKLY    | N 54               | Ν  |                            | NURSE/MEDICAL SUITE               | 50 - 100                      | Ν              |
| 313DX   | P.S. 160 - BROOKLY    | N 55               | Ν  |                            | NURSE/MEDICAL SUITE               | 50 - 100                      | Ν              |
| 313EX   | P.S. 160 - BROOKLY    | N 297              | Ν  |                            | NURSE/MEDICAL SUITE               | 50 - 100                      | Ν              |
| 314X    | P.S. 160 - BROOKLYI   | N 713              | Ν  |                            | THIRD GRADE                       | 50 - 100                      | Ν              |
| 316X    | P.S. 160 - BROOKLYI   | N 896              | Ν  |                            | СТТ                               | 50 - 100                      | Ν              |
| 322X    | P.S. 160 - BROOKLYI   | ۷ 300              | Ν  |                            | SETSS                             | 50 - 100                      | Ν              |
| 324AX   | P.S. 160 - BROOKLYI   | N 198              | Ν  |                            | COACH'S OFFICE                    | 50 - 100                      | Ν              |
| 324X    | P.S. 160 - BROOKLYI   | N 2,175            | Ν  |                            | LIBRARY                           | 50 - 100                      | Ν              |
| 401X    | P.S. 160 - BROOKLYI   | N 891              | Ν  |                            | FIFTH GRADE                       | 50 - 100                      | Ν              |
| 405X    | P.S. 160 - BROOKLY    | N 725              | Ν  |                            | FIFTH GRADE                       | 50 - 100                      | Ν              |
| 406X    | P.S. 160 - BROOKLY    | N 840              | Ν  |                            | FOURTH GRADE                      | 50 - 100                      | Ν              |
| 409X    | P.S. 160 - BROOKLY    | N 750              | Ν  |                            | ACADEMIC INTERVENTION<br>SERVICES | 50 - 100                      | Ν              |
| 413X    | P.S. 160 - BROOKLY    | N 272              | Ν  |                            | STORAGE ROOM                      | 50 - 100                      | Ν              |
| 414X    | P.S. 160 - BROOKLY    | N 750              | Ν  |                            | FOURTH GRADE                      | 50 - 100                      | Ν              |
| 415X    | P.S. 160 - BROOKLY    | N 1,134            | Ν  |                            | ART ROOM                          | 50 - 100                      | Ν              |
| 416X    | P.S. 160 - BROOKLYI   | N 806              | Ν  |                            | SCIENCE CLASSROOM FOR<br>PS       | 50 - 100                      | Ν              |

12 - 2013

Bldg ID:

K160

Bidg Address: 5105 FORT HAMILTON PARKWAY

P.S. 160 - BROOKLYN

Geo District:

20

Survey Principal:

MARGARET RUSSO

| Adde    | ed Room   | Room Number Changed   | ł   | Deleted Room               |                             |                               |                |
|---------|---|---|---|----------------------------|-----------------------------|-------------------------------|----------------|
| Room No | 2012-2013<br>Org Name   | Room<br>SQFT  | AC  | 2011-2012<br>Room Function | 2012-2013<br>Room Function  | Primary<br>Function<br>Used % | Sharing<br>Y/N |
| 419AX   | P.S. 160 - BROOKLYN   | 182   | Ν   |                            | COACH'S OFFICE              | 50 - 100                      | Ν              |
| 419BX   | P.S. 160 - BROOKLYN   | 104   | Ν   |                            | COACH'S OFFICE              | 50 - 100                      | Ν              |
| 422X    | P.S. 160 - BROOKLYN   | 279   | Ν   |                            | SCIENCE PREP ROOM           | 50 - 100                      | Ν              |
| 424X    | P.S. 160 - BROOKLYN   | 1,044   | Ν   |                            | MUSIC ROOM                  | 50 - 100                      | Ν              |
| 501X    | IX P.S. 160 - BROOKLYN  |   | Ν   |                            | FIFTH GRADE                 | 50 - 100                      | Ν              |
| 505X    | P.S. 160 - BROOKLYN   | 810   | Ν   |                            | FIFTH GRADE                 | 50 - 100                      | Ν              |
| 506X    | P.S. 160 - BROOKLYN   | 782   | Ν   |                            | FIFTH GRADE                 | 50 - 100                      | Ν              |
| 509X    | P.S. 160 - BROOKLYN   | 480   | Ν   |                            | NON-D75 SPED<br>CLASSROOM   | 50 - 100                      | Ν              |
| 511X    | P.S. 160 - BROOKLYN   | 270   | Ν   |                            | AP'S OFFICE                 | 50 - 100                      | Ν              |
| 514X    | P.S. 160 - BROOKLYN   | 703   | Ν   |                            | GENERAL BUILDING<br>SUPPORT | 50 - 100                      | Ν              |
| 516X    | P.S. 160 - BROOKLYN   | 234   | Ν   |                            | GENERAL BUILDING<br>SUPPORT | 50 - 100                      | Ν              |
| 518X    | P.S. 160 - BROOKLYN   | 266   | Ν   |                            | STORAGE ROOM                | 50 - 100                      | Ν              |
| 519X    | P.S. 160 - BROOKLYN   | 136   | Ν   |                            | STORAGE ROOM                | 50 - 100                      | Ν              |
| C02     | P.S. 160 - BROOKLYN   | 221   | Ν   |                            | GENERAL BUILDING<br>SUPPORT | 50 - 100                      | Ν              |
| C15     | P.S. 160 - BROOKLYN   | 638   | Ν   |                            | TEACHER'S CAFETERIA         | 50 - 100                      | Ν              |
| C19     | P.S. 160 - BROOKLYN   | 2,013   | Ν   |                            | KITCHEN                     | 50 - 100                      | Ν              |
| CAFE    | P.S. 160 - BROOKLYN   | 1,860   | Ν   |                            | STUDENT CAFETERIA           | 50 - 100                      | Ν              |
|         | How many student  | bathrooms are there in  | your  | building ? 22              |                             |                               |                |
| Are ar  | ny of the student bathroo   | ms being shared by mu   | Itiple  | eschools? N                |                             |                               |                |
|         | Are all the studen  | t bathrooms open throu  | ghou  | It the day? Y              |                             |                               |                |
|         | Please identify the n<br>reported above,<br>academic interventior | umber of non-instructic<br>being used for instruct<br>services, or therapeuti | spaces, not<br>l purposes,<br>counseling <sup>0</sup><br>services |                            |                             |                               |                |
|         | Are any of those  | non-instructional space   | e beir  | ng shared? N               |                             |                               |                |

Bldg ID:

## PS 310 THE SCHOOL FOR FUTURE LEADERS - BROC

Geo District:

Survey Principal: YUQING HONG

20

| Bldg | Address: | 942 62 ST |
|------|----------|-----------|
|      |          |           |

K310

| Added Room |                       | Room Number Changed | ł  | Deleted Room               |                            | Drimony            |                |
|------------|-----------------------|---------------------|----|----------------------------|----------------------------|--------------------|----------------|
| Room No    | 2012-2013<br>Org Name | Room<br>SQFT        | AC | 2011-2012<br>Room Function | 2012-2013<br>Room Function | Function<br>Used % | Sharing<br>Y/N |
| <br>101    | P.S. 310 - BROOKLYN   | 120                 | Ν  |                            | PARENT'S ROOM              | 50 - 100           | Ν              |
| 102        | P.S. 310 - BROOKLYN   | 900                 | Ν  |                            | PRE-K FULL DAY             | 50 - 100           | Ν              |
| 104        | P.S. 310 - BROOKLYN   | 1,080               | Ν  |                            | KINDERGARTEN               | 50 - 100           | Ν              |
| 110        | P.S. 310 - BROOKLYN   | 2,726               | Ν  |                            | GYMNASIUM                  | 50 - 100           | Ν              |
| 113A       | P.S. 310 - BROOKLYN   | 408                 | Ν  |                            | PRINCIPAL'S OFFICE         | 50 - 100           | Ν              |
| 113C       | P.S. 310 - BROOKLYN   | 540                 | Ν  |                            | GENERAL/MAIN OFFICE        | 50 - 100           | Ν              |
| 117        | P.S. 310 - BROOKLYN   | 300                 | Ν  |                            | OTHER OFFICE               | 50 - 100           | Ν              |
| 201        | P.S. 310 - BROOKLYN   | 475                 | Ν  |                            | SPECIAL ED SUPPORT         | 50 - 100           | Ν              |
| 202        | P.S. 310 - BROOKLYN   | 960                 | Ν  |                            | KINDERGARTEN               | 50 - 100           | Ν              |
| 204        | P.S. 310 - BROOKLYN   | 1,050               | Ν  |                            | KINDERGARTEN               | 50 - 100           | Ν              |
| 207        | P.S. 310 - BROOKLYN   | 120                 | Ν  |                            | GUIDANCE OFFICE            | 50 - 100           | Ν              |
| 207A       | P.S. 310 - BROOKLYN   | 130                 | Ν  |                            | OCCUPATIONAL THERAPY       | 50 - 100           | Ν              |
| 211        | P.S. 310 - BROOKLYN   | 480                 | Ν  |                            | RESOURCE ROOM              | 50 - 100           | Ν              |
| 301        | P.S. 310 - BROOKLYN   | 690                 | Ν  |                            | ART ROOM                   | 50 - 100           | Ν              |
| 302        | P.S. 310 - BROOKLYN   | 396                 | Ν  |                            | STORAGE ROOM               | 50 - 100           | Ν              |
| 305        | P.S. 310 - BROOKLYN   | 648                 | Ν  |                            | KINDERGARTEN               | 50 - 100           | Ν              |
| 307        | P.S. 310 - BROOKLYN   | 870                 | Ν  |                            | FIRST GRADE                | 50 - 100           | Ν              |
| 308        | P.S. 310 - BROOKLYN   | 190                 | Ν  |                            | AP'S OFFICE                | 50 - 100           | Ν              |
| 310        | P.S. 310 - BROOKLYN   | 90                  | Ν  |                            | STORAGE ROOM               | 50 - 100           | Ν              |
| 401        | P.S. 310 - BROOKLYN   | 1,050               | N  |                            | LIBRARY                    | 50 - 100           | Ν              |
| 402        | P.S. 310 - BROOKLYN   | 870                 | Ν  |                            | SECOND GRADE               | 50 - 100           | Ν              |
| 405        | P.S. 310 - BROOKLYN   | 630                 | Ν  |                            | SECOND GRADE               | 50 - 100           | Ν              |
| 407        | P.S. 310 - BROOKLYN   | 870                 | Ν  |                            | FIRST GRADE                | 50 - 100           | Ν              |
|            |                       |                     |    |                            |                            |                    |                |

Bldg ID:

#### PS 310 THE SCHOOL FOR FUTURE LEADERS - BROC

Geo District:

20

Survey Principal: YUQING HONG

Bldg Address: 942 62 ST

K310

| Adde    | d Room  | Room Number Changed     | 1           | Deleted Room               |                            | During and         |                |  |  |  |  |
|---------|---|-------------------------|-------------|----------------------------|----------------------------|--------------------|----------------|--|--|--|--|
| Room No | 2012-2013<br>Org Name                                     | Room<br>SQFT            | AC          | 2011-2012<br>Room Function | 2012-2013<br>Room Function | Function<br>Used % | Sharing<br>Y/N |  |  |  |  |
| 410     | P.S. 310 - BROOKLYN                                       | 806                     | Ν           |                            | СТТ                        | 50 - 100           | Ν              |  |  |  |  |
| 412     | P.S. 310 - BROOKLYN                                       | 837                     | Ν           |                            | СТТ                        | 50 - 100           | Ν              |  |  |  |  |
| 501A    | P.S. 310 - BROOKLYN                                       | 216                     | Ν           |                            | SCIENCE PREP ROOM          | 50 - 100           | Ν              |  |  |  |  |
| 502     | P.S. 310 - BROOKLYN                                       | 837                     | Ν           |                            | THIRD GRADE                | 50 - 100           | Ν              |  |  |  |  |
| 504     | P.S. 310 - BROOKLYN                                       | 253                     | Ν           |                            | TEACHER'S ROOM             | 50 - 100           | N              |  |  |  |  |
| 505     | P.S. 310 - BROOKLYN                                       | 612                     | Ν           |                            | OTHER DOE ORGANIZATION     | 50 - 100           | N              |  |  |  |  |
| 509     | P.S. 310 - BROOKLYN                                       | 840                     | Ν           |                            | OCCUPATIONAL THERAPY       | 50 - 100           | N              |  |  |  |  |
| 510     | P.S. 310 - BROOKLYN                                       | 952                     | Ν           |                            | SCIENCE CLASSROOM FOR      | 50 - 100           | N              |  |  |  |  |
| 512     | P.S. 310 - BROOKLYN                                       | 930                     | Ν           |                            | FUNDED - ESL               | 50 - 100           | N              |  |  |  |  |
| C02     | P.S. 310 - BROOKLYN                                       | 1,600                   | Ν           |                            | STUDENT CAFETERIA          | 50 - 100           | Ν              |  |  |  |  |
| C06     | P.S. 310 - BROOKLYN                                       | 552                     | Ν           |                            | TEACHER'S CAFETERIA        | 50 - 100           | N              |  |  |  |  |
| C08     | P.S. 310 - BROOKLYN                                       | 108                     | Ν           |                            | OTHER OFFICE               | 50 - 100           | N              |  |  |  |  |
|         |   |                         |             |                            |                            |                    |                |  |  |  |  |
|         | How many student  | bathrooms are there in  | your        | building? 12               |                            |                    |                |  |  |  |  |
| Are any | of the student bathroo                                    | ms being shared by mu   | ltiple      | eschools? N                |                            |                    |                |  |  |  |  |
|         | Are all the student bathrooms open throughout the day ? Y |                         |             |                            |                            |                    |                |  |  |  |  |
|         | Please identify the n                                     | umber of non-instructio | spaces, not |                            |                            |                    |                |  |  |  |  |

0

services

reported above, being used for instructional purposes,

academic intervention services, or therapeutic or counseling

Are any of those non-instructional space being shared?  $\ \ N$ 

## Attachment B Peak Hour Trip Tables, by No Action Development and Land Use

## All No Action Project Trips

|       |  |    | Autos |    |    | Taxis |    |    | Trucks |    | Sc | es |    |
|-------|--|----|-------|----|----|-------|----|----|--------|----|----|----|----|
|       |  |    |       |    |    |       |    |    |        |    |    |    |    |
|       |  |    |       |    |    |       |    |    |        |    |    |    |    |
| Map # | Site Location                          | AM | MD    | PM | AM | MD    | PM | AM | MD     | PM | AM | MD | PM |
| 1     | 984 52nd St.                           | 1  | 1     | 1  | 0  | 0     | 0  | 0  | 0      | 0  | 0  | 0  | 0  |
| 2     | 5814-5820 Ft. Hamilton Pkwy.           | 2  | 6     | 3  | 1  | 6     | 3  | 0  | 0      | 0  | 0  | 0  | 0  |
| 3     | 843-845 54th St.                       | 2  | 1     | 2  | 0  | 0     | 0  | 0  | 0      | 0  | 0  | 0  | 0  |
| 4     | 1128 56th St.                          | 0  | 0     | 0  | 0  | 0     | 0  | 0  | 0      | 0  | 0  | 0  | 0  |
| 5     | 864 59th St.                           | 8  | 3     | 10 | 3  | 1     | 3  | 0  | 0      | 0  | 0  | 0  | 0  |
| 6     | 857 60th St.                           | 2  | 2     | 2  | 0  | 1     | 1  | 0  | 0      | 0  | 0  | 0  | 0  |
| 7     | 1154 59th St.                          | 1  | 0     | 1  | 0  | 0     | 0  | 0  | 0      | 0  | 0  | 0  | 0  |
| 8     | 1152-1154 59th St.                     | 1  | 0     | 1  | 0  | 0     | 0  | 0  | 0      | 0  | 0  | 0  | 0  |
| 9     | 1248 56th St.                          | 0  | 0     | 0  | 0  | 0     | 0  | 0  | 0      | 0  | 0  | 0  | 0  |
| 10    | 1262 50th St.                          | 1  | 1     | 1  | 0  | 0     | 0  | 0  | 0      | 0  | 0  | 0  | 0  |
| 11    | 1246 49th St.                          | 1  | 0     | 1  | 0  | 0     | 0  | 0  | 0      | 0  | 0  | 0  | 0  |
| 12    | 1118 45th St.                          | 1  | 1     | 1  | 0  | 0     | 0  | 0  | 0      | 0  | 0  | 0  | 0  |
| 13    | 4506 12th Ave.                         | 2  | 1     | 2  | 0  | 0     | 0  | 0  | 0      | 0  | 0  | 0  | 0  |
| 14    | 1190 44th St.                          | 1  | 0     | 1  | 0  | 0     | 0  | 0  | 0      | 0  | 0  | 0  | 0  |
| 15    | 757 58th St.                           | 1  | 0     | 1  | 0  | 0     | 0  | 0  | 0      | 0  | 0  | 0  | 0  |
| 16    | 716 57th St.                           | 1  | 1     | 1  | 0  | 0     | 0  | 0  | 0      | 0  | 0  | 0  | 0  |
| 17    | 749 49th St.                           | 2  | 1     | 2  | 0  | 0     | 0  | 0  | 0      | 0  | 0  | 0  | 0  |
| 18    | 5105 Fort Hamilton Pkwy (PS 160 Annex) | 4  | 0     | 0  | 1  | 0     | 0  | 0  | 0      | 0  | 0  | 0  | 0  |
| 19    | 942 62nd Street (PS 310)               | 11 | 0     | 0  | 4  | 0     | 0  | 0  | 0      | 0  | 1  | 0  | 0  |
| 20    | 986 52nd St.                           | 1  | 1     | 1  | 0  | 0     | 0  | 0  | 0      | 0  | 0  | 0  | 0  |
| 21    | 928 55th Ave.                          | 2  | 1     | 2  | 0  | 0     | 0  | 0  | 0      | 0  | 0  | 0  | 0  |
|       | Total (No Action Projects)             | 45 | 20    | 33 | 9  | 8     | 7  | 0  | 0      | 0  | 1  | 0  | 0  |

|       |  | Total | Total Person Trips |     | Auto Person Trips |    | Tax | i Person 7 | Trips | Bus | Person Tr | rips | Subway Person Trips |    | Trips | Work at | k at Home Person Trips |    | School Bus Person T |    | on Trips |    |
|-------|--|-------|--------------------|-----|-------------------|----|-----|------------|-------|-----|-----------|------|---------------------|----|-------|---------|------------------------|----|---------------------|----|----------|----|
|       |  |       |                    |     |                   |    |     |            |       |     |           |      |                     |    |       |         |                        |    |                     |    |          |    |
|       |  |       |                    |     |                   |    |     |            |       |     |           |      |                     |    |       |         |                        |    |                     |    |          |    |
| Map # | Site Location                          | AM    | MD                 | PM  | AM                | MD | PM  | AM         | MD    | PM  | AM        | MD   | PM                  | AM | MD    | PM      | AM                     | MD | PM                  | AM | MD       | PM |
| 1     | 984 52nd St.                           | 5     | 2                  | 5   | 1                 | 1  | 2   | 0          | 0     | 0   | 0         | 0    | 0                   | 2  | 1     | 2       | 0                      | 0  | 0                   | 0  | 0        | 0  |
| 2     | 5814-5820 Ft. Hamilton Pkwy.           | 105   | 469                | 258 | 3                 | 11 | 6   | 2          | 13    | 7   | 4         | 23   | 12                  | 6  | 28    | 15      | 0                      | 0  | 0                   | 0  | 0        | 0  |
| 3     | 843-845 54th St.                       | 13    | 11                 | 14  | 2                 | 1  | 3   | 0          | 0     | 0   | 1         | 0    | 1                   | 3  | 2     | 3       | 0                      | 0  | 0                   | 0  | 0        | 0  |
| 4     | 1128 56th St.                          | 2     | 1                  | 2   | 0                 | 0  | 1   | 0          | 0     | 0   | 0         | 0    | 0                   | 1  | 0     | 1       | 0                      | 0  | 0                   | 0  | 0        | 0  |
| 5     | 864 59th St.                           | 84    | 27                 | 100 | 13                | 5  | 15  | 4          | 1     | 5   | 8         | 3    | 10                  | 18 | 6     | 21      | 0                      | 0  | 0                   | 0  | 0        | 0  |
| 6     | 857 60th St.                           | 22    | 95                 | 56  | 2                 | 3  | 3   | 0          | 3     | 1   | 2         | 5    | 3                   | 4  | 6     | 6       | 0                      | 0  | 0                   | 0  | 0        | 0  |
| 7     | 1154 59th St.                          | 2     | 1                  | 3   | 1                 | 0  | 1   | 0          | 0     | 0   | 0         | 0    | 0                   | 1  | 0     | 1       | 0                      | 0  | 0                   | 0  | 0        | 0  |
| 8     | 1152-1154 59th St.                     | 2     | 1                  | 3   | 1                 | 0  | 1   | 0          | 0     | 0   | 0         | 0    | 0                   | 1  | 0     | 1       | 0                      | 0  | 0                   | 0  | 0        | 0  |
| 9     | 1248 56th St.                          | 1     | 0                  | 1   | 0                 | 0  | 0   | 0          | 0     | 0   | 0         | 0    | 0                   | 0  | 0     | 0       | 0                      | 0  | 0                   | 0  | 0        | 0  |
| 10    | 1262 50th St.                          | 5     | 2                  | 5   | 1                 | 1  | 2   | 0          | 0     | 0   | 0         | 0    | 0                   | 2  | 1     | 2       | 0                      | 0  | 0                   | 0  | 0        | 0  |
| 11    | 1246 49th St.                          | 2     | 1                  | 3   | 1                 | 0  | 1   | 0          | 0     | 0   | 0         | 0    | 0                   | 1  | 0     | 1       | 0                      | 0  | 0                   | 0  | 0        | 0  |
| 12    | 1118 45th St.                          | 5     | 2                  | 5   | 1                 | 1  | 2   | 0          | 0     | 0   | 0         | 0    | 0                   | 2  | 1     | 2       | 0                      | 0  | 0                   | 0  | 0        | 0  |
| 13    | 4506 12th Ave.                         | 8     | 4                  | 9   | 2                 | 1  | 3   | 0          | 0     | 0   | 1         | 0    | 1                   | 3  | 2     | 3       | 0                      | 0  | 0                   | 0  | 0        | 0  |
| 14    | 1190 44th St.                          | 3     | 2                  | 4   | 1                 | 0  | 1   | 0          | 0     | 0   | 0         | 0    | 0                   | 1  | 1     | 1       | 0                      | 0  | 0                   | 0  | 0        | 0  |
| 15    | 757 58th St.                           | 11    | 14                 | 12  | 1                 | 1  | 1   | 0          | 0     | 0   | 0         | 0    | 0                   | 2  | 1     | 2       | 0                      | 0  | 0                   | 0  | 0        | 0  |
| 16    | 716 57th St.                           | 7     | 7                  | 8   | 1                 | 1  | 1   | 0          | 0     | 0   | 0         | 0    | 0                   | 2  | 1     | 2       | 0                      | 0  | 0                   | 0  | 0        | 0  |
| 17    | 749 49th St.                           | 6     | 3                  | 7   | 2                 | 1  | 2   | 0          | 0     | 0   | 1         | 0    | 1                   | 2  | 1     | 3       | 0                      | 0  | 0                   | 0  | 0        | 0  |
| 18    | 5105 Fort Hamilton Pkwy (PS 160 Annex) | 101   | 0                  | 5   | 6                 | 0  | 0   | 2          | 0     | 0   | 0         | 0    | 0                   | 0  | 0     | 0       | 0                      | 0  | 0                   | 4  | 0        | 0  |
| 19    | 942 62nd Street (PS 310)               | 269   | 0                  | 15  | 18                | 0  | 1   | 5          | 0     | 0   | 0         | 0    | 0                   | 1  | 0     | 0       | 0                      | 0  | 0                   | 10 | 0        | 1  |
| 20    | 986 52nd St.                           | 5     | 2                  | 5   | 1                 | 1  | 2   | 0          | 0     | 0   | 0         | 0    | 0                   | 2  | 1     | 2       | 0                      | 0  | 0                   | 0  | 0        | 0  |
| 21    | 928 55th Ave.                          | 19    | 19                 | 20  | 3                 | 2  | 4   | 0          | 0     | 0   | 1         | 0    | 1                   | 4  | 3     | 4       | 0                      | 0  | 0                   | 0  | 0        | 0  |
|       | Total (No Action Projects)             | 679   | 665                | 538 | 61                | 30 | 52  | 13         | 17    | 13  | 18        | 31   | 29                  | 58 | 55    | 72      | 0                      | 0  | 0                   | 14 | 0        | 1  |

#### **Residential Trips**

|       |                                       |                |                | Community  |               |          |              |             |    | Autos |    |    | Taxis |    |    | Trucks |    | S  | chool Bu | ses |
|-------|---------------------------------------|----------------|----------------|------------|---------------|----------|--------------|-------------|----|-------|----|----|-------|----|----|--------|----|----|----------|-----|
|       |                                       | Residential    | Retail (Local) | Facility   |               | School   |              | Weekday     |    |       |    |    |       |    |    |        |    |    |          |     |
|       |                                       | Dwelling Units | Floor Area     | Floor Area | Daycare Floor | Students | School Staff | Residential |    |       |    |    |       |    |    |        |    |    |          |     |
| Map # | Site Location                         | (DU)           | (GSF)          | (GSF)      | Area (GSF)    | (Seats)  | (1)          | Trips       | AM | MD    | PM | AM | MD    | PM | AM | MD     | PM | AM | MD       | PM  |
| 1     | 984 52nd St.                          | 6              | 0              | 0          | 0             | 0        | C            | 48          | 1  | 1     | 1  | 0  | 0     | 0  | 0  | 0      | 0  | 0  | 0        | j   |
| 2     | 5814-5820 Ft. Hamilton Pkwy           | 0              | 10,602         | 11,694     | . 0           | 0        | C            | 0           | 0  | 0     | 0  | 0  | 0     | 0  | 0  | 0      | 0  | 0  | ( C      | )   |
| 3     | 843-845 54th St.                      | 10             | 0              | 1,505      | 0             | 0        | C            | 81          | 2  | 1     | 2  | 0  | 0     | 0  | 0  | 0      | 0  | 0  | / C      | 1   |
| 4     | 1128 56th St.                         | 2              | 0              | 0          | 0             | 0        | C            | 16          | 0  | 0     | 0  | 0  | 0     | 0  | 0  | 0      | 0  | 0  | 0        | i   |
| 5     | 864 59th St.                          | 5              | 0              | 0          | 3,639         | 0        | 0            | 40          | 1  | 1     | 1  | 0  | 0     | 0  | 0  | 0      | 0  | 0  | / C      | 1   |
| 6     | 857 60th St.                          | 9              | 2,335          | 0          | 0             | 0        | C            | 73          | 2  | 1     | 2  | 0  | 0     | 0  | 0  | 0      | 0  | 0  | 0        | 1   |
| 7     | 1154 59th St.                         | 3              | 0              | 0          | 0             | 0        | C            | 24          | 1  | 0     | 1  | 0  | 0     | 0  | 0  | 0      | 0  | 0  | / C      | 1   |
| 8     | 1152-1154 59th St.                    | 3              | 0              | 0          | 0             | 0        | 0            | 24          | 1  | 0     | 1  | 0  | 0     | 0  | 0  | 0      | 0  | 0  | / C      | 1   |
| 9     | 1248 56th St.                         | 1              | 0              | 0          | 0             | 0        | 0            | 8           | 0  | 0     | 0  | 0  | 0     | 0  | 0  | 0      | 0  | 0  | ( C      | )   |
| 10    | 1262 50th St.                         | 6              | 0              | 0          | 0             | 0        | C            | 48          | 1  | 1     | 1  | 0  | 0     | 0  | 0  | 0      | 0  | 0  | ( C      | )   |
| 11    | 1246 49th St.                         | 3              | 0              | 0          | 0             | 0        | C            | 24          | 1  | 0     | 1  | 0  | 0     | 0  | 0  | 0      | 0  | 0  | / C      | )   |
| 12    | 1118 45th St.                         | 6              | 0              | 0          | 0             | 0        | C            | 48          | 1  | 1     | 1  | 0  | 0     | 0  | 0  | 0      | 0  | 0  | ( C      | J   |
| 13    | 4506 12th Ave.                        | 10             | 0              | 0          | 0             | 0        | C            | 81          | 2  | 1     | 2  | 0  | 0     | 0  | 0  | 0      | 0  | 0  | ( C      | J   |
| 14    | 1190 44th St.                         | 4              | 0              | 0          | 0             | 0        | C            | 32          | 1  | 0     | 1  | 0  | 0     | 0  | 0  | 0      | 0  | 0  | ( C      | J   |
| 15    | 757 58th St.                          | 3              | 0              | 2,594      | 0             | 0        | C            | 24          | 1  | 0     | 1  | 0  | 0     | 0  | 0  | 0      | 0  | 0  | ( C      | J   |
| 16    | 716 57th St.                          | 5              | 0              | 994        | 0             | 0        | C            | 40          | 1  | 1     | 1  | 0  | 0     | 0  | 0  | 0      | 0  | 0  | ) (      | J   |
| 17    | 749 49th St.                          | 8              | 0              | 0          | 0             | 0        | C            | 65          | 2  | 1     | 2  | 0  | 0     | 0  | 0  | 0      | 0  | 0  | ) (      | J   |
| 18    | 5105 Fort Hamilton Pkwy (PS 160 Annex | 0              | 0              | 0          | 0             | 100      | g            | 0           | 0  | 0     | 0  | 0  | 0     | 0  | 0  | 0      | 0  | 0  | ) (      | J   |
| 19    | 942 62nd Street (PS 310)              | 0              | 0              | 0          | 0             | 267      | 24           | . 0         | 0  | 0     | 0  | 0  | 0     | 0  | 0  | 0      | 0  | 0  | / C      | J   |
| 20    | 986 52nd St.                          | 6              | 0              | 0          | 0             | 0        | 0            | 48          | 1  | 1     | 1  | 0  | 0     | 0  | 0  | 0      | 0  | 0  | 0        | )   |
| 21    | 928 55th Ave.                         | 10             | 0              | 3,122      | 0             | 0        | C            | 81          | 2  | 1     | 2  | 0  | 0     | 0  | 0  | 0      | 0  | 0  | 0        | )   |
|       |                                       |                |                |            | 0             | 0        | C            |             |    |       |    |    |       |    |    |        |    |    |          |     |
|       | Total (No Action Projects)            | 100            | 12.937         | 19,909     | 3,639         | 367      | 33           | 808         | 21 | 11    | 21 | 0  | 0     | 0  | 0  | 0      | 0  | 0  | ) (      | )   |

|       |                                       |                |                | Community  |               |          |              |             | Temp  | oral Distri | ibutior | Tot | tal Person | Trips | Aut | to Person | Trips | Ta  | xi Person | Trips | Bus | s Person 1 | Frips | Subv | ay Perso | n Trips | Wa | Ik Person | Trips | School | Bus Person Trips |
|-------|---------------------------------------|----------------|----------------|------------|---------------|----------|--------------|-------------|-------|-------------|---------|-----|------------|-------|-----|-----------|-------|-----|-----------|-------|-----|------------|-------|------|----------|---------|----|-----------|-------|--------|------------------|
|       |                                       | Residential    | Retail (Local) | Facility   |               | School   |              | Weekday     |       |             |         |     |            |       |     |           |       |     |           |       |     |            |       |      |          |         |    |           |       |        |                  |
|       |                                       | Dwelling Units | Floor Area     | Floor Area | Daycare Floor | Students | School Staff | Residential |       |             |         |     |            |       |     |           |       |     |           |       |     |            |       |      |          |         |    |           |       |        |                  |
| Map # | Site Location                         | (DŬ)           | (GSF)          | (GSF)      | Area (GSF)    | (Seats)  | (1)          | Trips       | AM    | MD          | PM      | AM  | MD         | PM    | AM  | MD        | PM    | AM  | MD        | PM    | AM  | MD         | PM    | AM   | MD       | PM      | AM | MD        | PM    | AM     | MD PM            |
| 1     | 984 52nd St.                          | 6              | 6 0            |            | 0 (           | ) (      | 0 0          | 48          | 10.0% | 5.0%        | 11.0%   | 5   | 5 2        | 2 5   | 1   |           | 1 2   | 2 ( | 0 0       | 0     | 0   | 0          | 0     | 2    | 1        | 2       | 1  | 1 1       | 1     | 0      | 0                |
| 2     | 5814-5820 Ft. Hamilton Pkwy           | (              | 10,602         | 11,694     | 4 (           | ) (      | 0 0          | 0           | 10.0% | 5.0%        | 11.0%   | (   | ) (        | 0 0   | 0   | ) (       | ) (   | ) ( | 0 0       | 0     | 0   | 0          | 0     | 0 0  | (        | 0 0     | 0  | 0 0       | 0     | 0      | 0                |
| 3     | 843-845 54th St.                      | 10             | 0 0            | 1,505      | 5 (           | ) (      | 0 0          | 81          | 10.0% | 5.0%        | 11.0%   | 8   | 3 4        | 4 9   | 2   |           | 1 3   | 6 ( | 0 0       | 0     | 1   | 0          | 1     | 3    | 2        | 2 3     | 2  | 2 1       | 2     | . 0    | 0                |
| 4     | 1128 56th St.                         | 2              | 2 0            | (          | 0 0           | ) (      | 0 0          | 16          | 10.0% | 5.0%        | 11.0%   | 2   | 2 1        | 2     | 0   | ) (       | ) 1   | (   | 0 0       | 0     | 0   | 0          | 0     | ) 1  | (        | ) 1     | 0  | 0 0       | 0     | 0 0    | 0                |
| 5     | 864 59th St.                          | 5              | 5 0            | 3,639      | 9 3,639       | 9 ()     | 0 0          | 40          | 10.0% | 5.0%        | 11.0%   | 4   | 4 2        | 2 4   | 1   |           | 1 1   | (   | 0 0       | 0     | 0   | 0          | 0     | 2    | 1        | 2       | 1  | 1 0       | 1     | 0      | 0                |
| 6     | 857 60th St.                          | 9              | 2,335          | (          | 0 0           | ) (      | 0 0          | 73          | 10.0% | 5.0%        | 11.0%   | 7   | 7 4        | 1 8   | 2   |           | 1 2   | 2 ( | ) ()      | 0     | 1   | 0          | 1     | 3    | 1        | 3       | 2  | 2 1       | 2     | . 0    | 0                |
| 7     | 1154 59th St.                         |                | 8 0            | (          | 0 0           | ) (      | 0 0          | 24          | 10.0% | 5.0%        | 11.0%   | 2   | 2 1        | 3     | 1   | (         | ) 1   | (   | ) ()      | 0     | 0   | 0          | 0     | ) 1  | (        | ) 1     | 1  | 1 0       | 1     | 0      | 0                |
| 8     | 1152-1154 59th St.                    |                | 8 0            | (          | 0 0           | ) (      | 0 0          | 24          | 10.0% | 5.0%        | 11.0%   | 2   | 2 1        | 3     | 1   | (         | ) 1   | (   | ) ()      | 0     | 0   | 0          | 0     | ) 1  | (        | ) 1     | 1  | 1 0       | 1     | 0      | 0                |
| 9     | 1248 56th St.                         | 1              | 0              | (          | 0 0           | ) (      | 0 0          | 8           | 10.0% | 5.0%        | 11.0%   | 1   | 1 (        | ) 1   | 0   | ) (       | ) (   | ) ( | ) ()      | 0     | 0   | 0          | 0     | ) 0  | (        | 0 0     | 0  | 0 0       | 0     | 0      | 0                |
| 10    | 1262 50th St.                         | 6              | 6 0            | (          | 0 0           | ) (      | 0 0          | 48          | 10.0% | 5.0%        | 11.0%   | 5   | 5 2        | 2 5   | 1   |           | 1 2   | (   | 0 0       | 0     | 0   | 0          | 0     | 2    | 1        | 2       | 1  | 1 1       | 1     | 0      | 0                |
| 11    | 1246 49th St.                         | 3              | 8 0            | (          | 0 0           | ) (      | 0 0          | 24          | 10.0% | 5.0%        | 11.0%   | 2   | 2 1        | 3     | 1   | (         | ) 1   | (   | 0 0       | 0     | 0   | 0          | 0     | ) 1  | 0        | ) 1     | 1  | 0 1       | 1     | 0      | 0                |
| 12    | 1118 45th St.                         | 6              | 6 0            | (          | 0 0           | ) (      | 0 0          | 48          | 10.0% | 5.0%        | 11.0%   | 5   | 5 2        | 2 5   | 1   |           | 1 2   | 2 ( | 0 0       | 0     | 0   | 0          | 0     | 2    | 1        | 2       | 1  | 1 1       | 1     | . 0    | 0                |
| 13    | 4506 12th Ave.                        | 10             | 0 0            | (          | 0 0           | ) (      | 0 0          | 81          | 10.0% | 5.0%        | 11.0%   | 8   | 3 4        | 1 9   | 2   |           | 1 3   | 6 ( | 0 0       | 0     | 1   | 0          | 1     | 3    | 2        | 3       | 2  | 2 1       | 2     | . 0    | 0                |
| 14    | 1190 44th St.                         | 4              | 0              | (          | 0 0           | ) (      | 0 0          | 32          | 10.0% | 5.0%        | 11.0%   |     | 3 2        | 2 4   | 1   | (         | ) 1   | (   | ) ()      | 0     | 0   | 0          | 0     | ) 1  | 1        | 1       | 1  | 1 0       | 1     | 0      | 0                |
| 15    | 757 58th St.                          |                | 8 0            | 2,594      | 4 (           | ) (      | 0 0          | 24          | 10.0% | 5.0%        | 11.0%   | 2   | 2 1        | 3     | 1   | (         | ) 1   | (   | ) ()      | 0     | 0   | 0          | 0     | ) 1  | 0        | ) 1     | 1  | 1 0       | 1     | 0      | 0                |
| 16    | 716 57th St.                          | 5              | 5 0            | 994        | 4 (           | ) (      | 0 0          | 40          | 10.0% | 5.0%        | 11.0%   | 4   | 4 2        | 2 4   | 1   |           | 1 1   | (   | ) ()      | 0     | 0   | 0          | 0     | ) 2  | 1        | 2       | 1  | 1 0       | 1     | 0      | 0                |
| 17    | 749 49th St.                          | 8              | 8 0            | (          | 0 0           | ) (      | 0 0          | 65          | 10.0% | 5.0%        | 11.0%   | 6   | 6          | 3 7   | 2   |           | 1 2   | 2 ( | ) ()      | 0     | 1   | 0          | 1     | 2    | 1        | 3       | 1  | 1 1       | 2     | . 0    | 0                |
| 18    | 5105 Fort Hamilton Pkwy (PS 160 Annex | (              | 0 0            | (          | 0 (           | 100      | 9            | 0           | 10.0% | 5.0%        | 11.0%   | (   | ) (        | ) 0   | 0   | ) (       | ) (   | ) ( | ) ()      | 0     | 0   | 0          | 0     | ) 0  | (        | 0 0     | 0  | 0 0       | 0     | 0      | 0                |
| 19    | 942 62nd Street (PS 310)              | (              | 0 0            | (          | 0 (           | 26       | 7 24         | . 0         | 10.0% | 5.0%        | 11.0%   | (   | ) (        | 0 0   | 0   | ) (       | ) (   | ) ( | 0 0       | 0     | 0   | 0          | 0     | 0 0  | (        | 0 0     | 0  | 0 0       | 0     | 0 0    | 0                |
| 20    | 986 52nd St.                          | 6              | 6 0            | (          | 0 (           | ) (      | 0 0          | 48          | 10.0% | 5.0%        | 11.0%   | Ę   | 5 2        | 2 5   | 1   |           | 1 2   | . ( | 0 0       | 0     | 0   | 0          | 0     | 2    | 1        | 2       | 1  | 1 1       | 1     | . 0    | 0                |
| 21    | 928 55th Ave.                         | 10             | 0 0            | (          | 0 (           | ) (      | 0 0          | 81          | 10.0% | 5.0%        | 11.0%   | 8   | 3 4        | 1 9   | 2   |           | 1 3   | 6 ( | 0 0       | 0     | 1   | 0          | 1     | 3    | 2        | 3       | 2  | 2 1       | 2     | . 0    | 0                |
|       |                                       |                |                |            | (             | ) (      | 0 0          |             |       |             |         |     |            |       |     |           |       |     |           |       |     |            |       |      |          |         |    |           |       |        |                  |
|       | Total (No Action Projects)            | 100            | 12.937         | 20.426     | 6 3.639       | 36       | 7 33         | 808         |       |             |         | 81  | 1 40       | ) 89  | 21  | 11        | 1 29  |     | ) 0       | 0     | 5   | 0          | 5     | 32   | 15       | 33      | 20 | ) 9       | 21    | 0      | 0                |

#### Local Retail Trips

|       |                                       |                |                | Community  |               |          |              |              |    | Autos |     |     | Taxis |     |     | Trucks |    | S  | chool Bu: | ses |
|-------|---------------------------------------|----------------|----------------|------------|---------------|----------|--------------|--------------|----|-------|-----|-----|-------|-----|-----|--------|----|----|-----------|-----|
|       |                                       | Residential    | Retail (Local) | Facility   |               | School   |              | Weekday      |    |       |     |     |       |     |     |        |    |    |           |     |
|       |                                       | Dwelling Units | Floor Area     | Floor Area | Daycare Floor | Students | School Staff | Local Retail |    |       |     |     |       |     |     |        |    |    |           |     |
| Map # | Site Location                         | (DU)           | (GSF)          | (GSF)      | Area (GSF)    | (Seats)  | (1)          | Trips        | AM | MD    | PM  | AM  | MD    | PM  | AM  | MD     | PM | AM | MD        | PM  |
| 1     | 984 52nd St.                          | 6              | C              | 0 (        | 0 0           | C        | (            | 0            | 0  | ) (   | ) ( | 0 0 | 0     | 0   | 0   | 0      | 0  | 0  | C         | J   |
| 2     | 5814-5820 Ft. Hamilton Pkwy           | 0              | 10,602         | 11,694     | 0             | C        | (            | 2173         | 1  | 4     | 1 2 | 2 1 | 6     | 3   | 0   | 0      | 0  | 0  | 0         | )   |
| 3     | 843-845 54th St.                      | 10             | C              | 1,505      | i 0           | C        | (            | 0            | 0  | (     | 0 0 | 0 0 | 0     | 0   | 0   | 0      | 0  | 0  | . C       | )   |
| 4     | 1128 56th St.                         | 2              | 0              | ) (        | 0 0           | 0        | (            | 0            | 0  | (     | 0 0 | 0 0 | 0     | 0   | 0   | 0      | 0  | 0  | . 0       | )   |
| 5     | 864 59th St.                          | 5              | 0              | ) (        | 3,639         | 0        | (            | 0            | 0  | (     | 0 0 | 0 0 | 0     | 0   | 0   | 0      | 0  | 0  | . 0       | )   |
| 6     | 857 60th St.                          | 9              | 2,335          | i (        | 0 0           | C        | (            | 479          | C  | 1     | C ( | 0 0 | 1     | 1   | 0   | 0      | 0  | 0  | . 0       | J   |
| 7     | 1154 59th St.                         | 3              | C              | ) (        | 0 0           | C        | (            | 0            | 0  | (     | 0 0 | 0 0 | 0     | 0   | 0   | 0      | 0  | 0  |           | )   |
| 8     | 1152-1154 59th St.                    | 3              | 0              | ) (        | 0 0           | 0        | (            | 0            | 0  | (     | 0 0 | 0 0 | 0     | 0   | 0   | 0      | 0  | 0  | . C       | )   |
| 9     | 1248 56th St.                         | 1              | C              | ) (        | 0 0           | 0        | (            | 0            | 0  | (     | 0 0 | 0 0 | 0     | 0   | 0   | 0      | 0  | 0  | 0         | )   |
| 10    | 1262 50th St.                         | 6              | 0              | ) (        | 0 0           | 0        | (            | 0            | 0  | (     | 0 0 | 0 0 | 0     | 0 0 | 0 0 | 0      | 0  | 0  |           | )   |
| 11    | 1246 49th St.                         | 3              | 0              | ) (        | 0 0           | 0        | (            | 0            | 0  | (     | 0 0 | 0 0 | 0     | 0   | 0   | 0      | 0  | 0  | . 0       | )   |
| 12    | 1118 45th St.                         | 6              | 0              | ) (        | 0 0           | 0        | (            | 0            | 0  | (     | 0 0 | 0 0 | 0     | 0   | 0   | 0      | 0  | 0  | . 0       | )   |
| 13    | 4506 12th Ave.                        | 10             | 0              | ) (        | 0 0           | 0        | (            | 0            | 0  | (     | 0 0 | 0 0 | 0     | 0   | 0   | 0      | 0  | 0  | . 0       | )   |
| 14    | 1190 44th St.                         | 4              | . 0            | ) (        | 0 0           | 0        | (            | 0            | 0  | (     | 0 0 | 0 0 | 0     | 0   | 0   | 0      | 0  | 0  | . C       | J   |
| 15    | 757 58th St.                          | 3              | C              | 2,594      | 0             | C        | (            | 0            | 0  | (     | 0 0 | 0 0 | 0     | 0   | 0   | 0      | 0  | 0  | C         | )   |
| 16    | 716 57th St.                          | 5              | C              | 994        | 0             | C        | (            | 0            | 0  | (     | 0 0 | 0 0 | 0     | 0   | 0   | 0      | 0  | 0  | 0         | J   |
| 17    | 749 49th St.                          | 8              | C              | 0 0        | 0 0           | C        | (            | 0            | 0  | (     | 0 0 | 0 0 | 0     | 0   | 0   | 0      | 0  | 0  | 0         | J   |
| 18    | 5105 Fort Hamilton Pkwy (PS 160 Annex | 0              | C              | ) (        | 0 0           | 100      | 9            | 0            | 0  | ) (   | ) ( | 0 0 | 0     | 0   | 0   | 0      | 0  | 0  | C         | J   |
| 19    | 942 62nd Street (PS 310)              | 0              | C              | ) ()       | 0 0           | 267      | 24           | 0            | 0  | (     | 0 0 | 0 0 | 0     | 0   | 0   | 0      | 0  | 0  | C         | )   |
| 20    | 986 52nd St.                          | 6              | C              | ) ()       | 0 0           | C        | (            | 0            | 0  | (     | 0 0 | 0 0 | 0     | 0   | 0 0 | 0      | 0  | 0  | C         | J   |
| 21    | 928 55th Ave.                         | 10             | C              | 3,122      | 2 0           | C        | (            | 0            | 0  | (     | 0 0 | 0 0 | 0     | 0   | 0 0 | 0      | 0  | 0  | C         | J   |
|       |                                       |                |                |            | 0             | C        | (            |              |    |       | 1   |     |       | 1   |     |        |    |    | 1         |     |
|       | Total (No Action Projects)            | 100            | 12,937         | 19,909     | 3.639         | 367      | 33           | 2.652        | 1  | f     | 5 2 | 2 1 | 7     | 4   | 0   | 0      | 0  | 0  | ( (       | j l |

|       |                                       |                       |                | Community  |               |          |              |              | Temp | oral Distr | ibutior | Tota | al Person | Trips | Auto | o Person T | Trips | Ta  | xi Person | Trips | Bu | s Person Trip | s  | Subway | Person | Trips | Wall | k Person | Trips | School F | Bus Persc | on Trips |
|-------|---------------------------------------|-----------------------|----------------|------------|---------------|----------|--------------|--------------|------|------------|---------|------|-----------|-------|------|------------|-------|-----|-----------|-------|----|---------------|----|--------|--------|-------|------|----------|-------|----------|-----------|----------|
|       |                                       | Residential           | Retail (Local) | Facility   |               | School   |              | Weekday      |      |            |         |      |           |       |      |            |       |     |           |       |    |               |    |        |        |       |      |          |       | 1 1      |           |          |
|       |                                       | <b>Dwelling Units</b> | Floor Area     | Floor Area | Daycare Floor | Students | School Staff | Local Retail |      |            |         |      |           |       |      |            |       |     |           |       |    |               |    |        |        |       |      |          |       | 1 1      | .         | 1        |
| Map # | Site Location                         | (DŪ)                  | (GSF)          | (GSF)      | Area (GSF)    | (Seats)  | (1)          | Trips        | AM   | MD         | PM      | AM   | MD        | PM    | AM   | MD         | PM    | AM  | MD        | PM    | AM | MD            | PM | AM     | MD     | PM    | AM   | MD       | PM    | AM       | MD        | PM       |
| 1     | 984 52nd St.                          | 6                     | 0              |            | 0 0           |          | 0 0          | 0            | 3.0% | 19.0%      | 10.0%   | 0    | C         | 0 0   | 0    | 0          | 0     | ) ( | ) (       | ) (   | 0  | 0             | 0  | 0      | 0      | 0     | 0    | 0        | 0     | 0        | 0         | 0        |
| 2     | 5814-5820 Ft. Hamilton Pkwy           | C                     | 10,602         | 11,69      | 4 C           | (        | 0 0          | 2173         | 3.0% | 19.0%      | 10.0%   | 65   | 413       | 217   | 1    | 8          | 4     | 1 2 | 2 12      | 2 7   | 3  | 21            | 11 | 4      | 25     | 13    | 55   | 347      | 183   | 0        | 0         | 0        |
| 3     | 843-845 54th St.                      | 10                    | 0              | 1,50       | 5 C           | (        | 0 0          | 0            | 3.0% | 19.0%      | 10.0%   | 0    | C         | 0 0   | 0    | 0          | 0     | ) ( | ) (       | ) (   | 0  | 0             | 0  | 0      | 0      | 0     | 0    | 0        | 0     | 0        | 0         | 0        |
| 4     | 1128 56th St.                         | 2                     | 0              |            | 0 0           | (        | 0 0          | 0            | 3.0% | 19.0%      | 10.0%   | 0    | C         | 0 0   | 0    | 0          | 0     | ) ( | ) (       | ) (   | 0  | 0             | 0  | 0      | 0      | 0     | 0    | 0        | 0     | 0        | 0         | 0        |
| 5     | 864 59th St.                          | 5                     | 0              | 3,63       | 3,639         | (        | 0 0          | 0            | 3.0% | 19.0%      | 10.0%   | 0    | C         | 0 0   | 0    | 0          | 0     | ) ( | ) (       | ) (   | 0  | 0             | 0  | 0      | 0      | 0     | 0    | 0        | 0     | 0        | 0         | 0        |
| 6     | 857 60th St.                          | g                     | 2,335          |            | 0 0           | (        | 0 0          | 479          | 3.0% | 19.0%      | 10.0%   | 14   | 91        | 48    | 0    | 2          | 1     | (   | ) 3       | 3 1   | 1  | 5             | 2  | 1      | 5      | 3     | 12   | 76       | 40    | 0        | 0         | 0        |
| 7     | 1154 59th St.                         | 3                     | 0              |            | 0 0           | (        | 0 0          | 0            | 3.0% | 19.0%      | 10.0%   | 0    | C         | 0 0   | 0    | 0          | 0     | ) ( | ) (       | ) (   | 0  | 0             | 0  | 0      | 0      | 0     | 0    | 0        | 0     | 0        | 0         | 0        |
| 8     | 1152-1154 59th St.                    | 3                     | 0              |            | 0 0           | (        | 0 0          | 0            | 3.0% | 19.0%      | 10.0%   | 0    | C         | 0     | 0    | 0          | 0     | ) ( | ) (       | ) (   | 0  | 0             | 0  | 0      | 0      | 0     | 0    | 0        | 0     | 0        | 0         | 0        |
| 9     | 1248 56th St.                         | 1                     | 0              |            | 0 0           | (        | 0 0          | 0            | 3.0% | 19.0%      | 10.0%   | 0    | C         | 0     | 0    | 0          | 0     | ) ( | ) (       | ) (   | 0  | 0             | 0  | 0      | 0      | 0     | 0    | 0        | 0     | 0        | 0         | 0        |
| 10    | 1262 50th St.                         | 6                     | 0              |            | 0 0           | (        | 0 0          | 0            | 3.0% | 19.0%      | 10.0%   | 0    | C         | 0     | 0    | 0          | 0     | ) ( | ) (       | ) (   | 0  | 0             | 0  | 0      | 0      | 0     | 0    | 0        | 0     | 0        | 0         | 0        |
| 11    | 1246 49th St.                         | 3                     | 0              |            | 0 0           | (        | 0 0          | 0            | 3.0% | 19.0%      | 10.0%   | 0    | C         | 0     | 0    | 0          | 0     | ) ( | 0 0       | ) (   | 0  | 0             | 0  | 0      | 0      | 0     | 0    | 0        | . 0   | 0        | 0         | 0        |
| 12    | 1118 45th St.                         | 6                     | 0              |            | 0 0           | (        | 0 0          | 0            | 3.0% | 19.0%      | 10.0%   | 0    | C         | 0     | 0    | 0          | 0     | ) ( | ) (       | ) (   | 0  | 0             | 0  | 0      | 0      | 0     | 0    | 0        | 0     | 0        | 0         | 0        |
| 13    | 4506 12th Ave.                        | 10                    | 0              |            | 0 0           | (        | 0 0          | 0            | 3.0% | 19.0%      | 10.0%   | 0    | C         | 0     | 0    | 0          | 0     | ) ( | ) (       | ) (   | 0  | 0             | 0  | 0      | 0      | 0     | 0    | 0        | 0     | 0        | 0         | 0        |
| 14    | 1190 44th St.                         | 4                     | 0              |            | 0 0           | (        | 0 0          | 0            | 3.0% | 19.0%      | 10.0%   | 0    | 0         | 0     | 0    | 0          | 0     | ) ( | ) (       | ) (   | 0  | 0             | 0  | 0      | 0      | 0     | 0    | 0        | . 0   | 0        | 0         | 0        |
| 15    | 757 58th St.                          | 3                     | 0              | 2,59       | 4 C           | (        | 0 0          | 0            | 3.0% | 19.0%      | 10.0%   | 0    | 0         | 0     | 0    | 0          | 0     | ) ( | ) (       | ) (   | 0  | 0             | 0  | 0      | 0      | 0     | 0    | 0        | 0     | 0        | 0         | 0        |
| 16    | 716 57th St.                          | 5                     | 0              | 994        | 4 C           | (        | 0 0          | 0            | 3.0% | 19.0%      | 10.0%   | 0    | 0         | 0     | 0    | 0          | 0     | ) ( | ) (       | ) (   | 0  | 0             | 0  | 0      | 0      | 0     | 0    | 0        | 0     | 0        | 0         | 0        |
| 17    | 749 49th St.                          | 8                     | 0              |            | 0 0           | (        | 0 0          | 0            | 3.0% | 19.0%      | 10.0%   | 0    | 0         | 0     | 0    | 0          | 0     | ) ( | ) (       | ) (   | 0  | 0             | 0  | 0      | 0      | 0     | 0    | 0        | 0     | 0        | 0         | 0        |
| 18    | 5105 Fort Hamilton Pkwy (PS 160 Annex | C                     | 0              |            | 0 0           | 100      | 9            | 0            | 3.0% | 19.0%      | 10.0%   | 0    | C         | 0     | 0    | 0          | 0     | ) ( | 0 0       | ) (   | 0  | 0             | 0  | 0      | 0      | 0     | 0    | 0        | 0     | 0        | 0         | 0        |
| 19    | 942 62nd Street (PS 310)              | C                     | 0              | 1          | D C           | 267      | 7 24         | . 0          | 3.0% | 19.0%      | 10.0%   | 0    | C         | 0     | 0    | 0          | 0     | ) ( | ) (       | ) (   | 0  | 0             | 0  | 0      | 0      | 0     | 0    | 0        | 0     | 0        | 0         | 0        |
| 20    | 986 52nd St.                          | 6                     | 0              |            | D C           | (        | 0 0          | 0            | 3.0% | 19.0%      | 10.0%   | 0    | C         | 0     | 0    | 0          | 0     | ) ( | ) (       | ) (   | 0  | 0             | 0  | 0      | 0      | 0     | 0    | 0        | 0     | 0        | 0         | 0        |
| 21    | 928 55th Ave.                         | 10                    | 0              |            | D C           | (        | 0 0          | 0            | 3.0% | 19.0%      | 10.0%   | 0    | C         | 0     | 0    | 0          | 0     | ) ( | ) (       | ) (   | 0  | 0             | 0  | 0      | 0      | 0     | 0    | 0        | 0     | 0        | 0         | 0        |
|       |                                       |                       |                |            | C             | (        | 0 0          |              |      |            |         |      |           |       |      |            |       |     |           |       |    |               |    |        |        |       |      |          |       |          |           |          |
|       | Total (No Action Projects)            | 100                   | 12 937         | 20.42      | 3 639         | 367      | 7 33         | 2 652        |      |            |         | 80   | 504       | 265   | 1    | 10         | 5     |     | 2 15      | 5 8   | 4  | 26            | 13 | 5      | 30     | 16    | 67   | 423      | 223   | 0        | 0         | 0        |

#### Daycare Trips

|       |                                       |                       |                | Community  |               |          |              |               |    | Autos |     |     | Taxis |     |    | Trucks |    | S  | chool Bu | ses |
|-------|---------------------------------------|-----------------------|----------------|------------|---------------|----------|--------------|---------------|----|-------|-----|-----|-------|-----|----|--------|----|----|----------|-----|
|       |                                       | Residential           | Retail (Local) | Facility   |               | School   |              |               |    |       |     |     |       |     |    |        |    |    |          |     |
|       |                                       | <b>Dwelling Units</b> | Floor Area     | Floor Area | Daycare Floor | Students | School Staff | Weekday       |    |       |     |     |       |     |    |        |    |    |          |     |
| Map # | Site Location                         | (DŬ)                  | (GSF)          | (GSF)      | Area (GSF)    | (Seats)  | (1)          | Daycare Trips | AM | MD    | PM  | AM  | MD    | PM  | AM | MD     | PM | AM | MD       | PM  |
| 1     | 984 52nd St.                          | 6                     | C              |            | 0 0           | C        | C            | 0             | C  | ) (   | ) ( | 0 0 | 0     | 0 0 | 0  | 0      | 0  | 0  | ) (      | ו נ |
| 2     | 5814-5820 Ft. Hamilton Pkwy           | 0                     | 10,602         | 11,694     | 0             | C        | C            | 0             | C  | ) (   | ) ( | 0 0 | 0     | 0   | 0  | 0      | 0  | 0  | ) (      | י נ |
| 3     | 843-845 54th St.                      | 10                    | C              | 1,505      | 5 0           | C        | C            | 0             | C  | ) (   | ) ( | 0 0 | 0     | 0   | 0  | 0      | 0  | 0  | / C      | ) ( |
| 4     | 1128 56th St.                         | 2                     | C              | (          | 0 0           | C        | C            | 0             | C  | ) (   | ) ( | 0 0 | 0     | 0   | 0  | 0      | 0  | 0  | ( C      | ) ( |
| 5     | 864 59th St.                          | 5                     | C              | (          | 3,639         | C        | C            | 502           | 7  | 2     | 2   | 3 3 | 1     | 3   | 0  | 0      | 0  | 0  | ( C      | ) ( |
| 6     | 857 60th St.                          | 9                     | 2,335          |            | 0 0           | C        | C            | 0             | C  | ) (   | ) ( | 0 0 | 0     | 0   | 0  | 0      | 0  | 0  | ( C      | ) ( |
| 7     | 1154 59th St.                         | 3                     | C              | (          | 0 0           | C        | C            | 0             | 0  | ) (   | ) ( | 0 0 | 0     | 0   | 0  | 0      | 0  | 0  | 0        | ) ( |
| 8     | 1152-1154 59th St.                    | 3                     | C              | (          | 0 0           | C        | C            | 0             | 0  | ) (   | ) ( | 0 0 | 0     | 0   | 0  | 0      | 0  | 0  | 0        | ) ( |
| 9     | 1248 56th St.                         | 1                     | C              | (          | 0 0           | C        | C            | 0             | 0  | ) (   | ) ( | 0 0 | 0     | 0   | 0  | 0      | 0  | 0  | 0        | ) ( |
| 10    | 1262 50th St.                         | 6                     | C              | (          | 0 0           | C        | C            | 0             | 0  | ) (   | ) ( | 0 0 | 0     | 0   | 0  | 0      | 0  | 0  | ( C      | )   |
| 11    | 1246 49th St.                         | 3                     | C              | 0          | 0 0           | C        | C            | 0             | C  | ) (   | ) ( | 0 0 | 0     | 0   | 0  | 0      | 0  | 0  | / C      | )   |
| 12    | 1118 45th St.                         | 6                     | C              | (          | 0 0           | C        | C            | 0             | C  | ) (   | ) ( | 0 0 | 0     | 0   | 0  | 0      | 0  | 0  | ( C      | ) ( |
| 13    | 4506 12th Ave.                        | 10                    | C              | (          | 0 0           | C        | C            | 0             | C  | ) (   | ) ( | 0 0 | 0     | 0   | 0  | 0      | 0  | 0  | ( C      | ) ( |
| 14    | 1190 44th St.                         | 4                     | C              | (          | 0 0           | C        | C            | 0             | C  | ) (   | ) ( | 0 0 | 0     | 0   | 0  | 0      | 0  | 0  | ( C      | ) ( |
| 15    | 757 58th St.                          | 3                     | C              | 2,594      | 0             | C        | C            | 0             | C  | ) (   | ) ( | 0 0 | 0     | 0   | 0  | 0      | 0  | 0  | ( C      | ) ( |
| 16    | 716 57th St.                          | 5                     | C              | 994        | 0             | C        | C            | 0             | C  | ) (   | ) ( | 0 0 | 0     | 0   | 0  | 0      | 0  | 0  | ) (      | י נ |
| 17    | 749 49th St.                          | 8                     | C              | (          | 0 0           | C        | C            | 0             | C  | ) (   | ) ( | 0 0 | 0     | 0   | 0  | 0      | 0  | 0  | ) (      | י נ |
| 18    | 5105 Fort Hamilton Pkwy (PS 160 Annex | 0                     | C              | (          | 0 0           | 100      | 9            | 0             | 0  | ) (   | ) ( | 0 0 | 0     | 0   | 0  | 0      | 0  | 0  | 0        | ) ( |
| 19    | 942 62nd Street (PS 310)              | 0                     | C              | (          | 0 0           | 267      | 24           | . 0           | C  | ) (   | ) ( | 0 0 | 0     | 0   | 0  | 0      | 0  | 0  | / C      | )   |
| 20    | 986 52nd St.                          | 6                     | C              | (          | 0 0           | C        | C            | 0             | C  | ) (   | ) ( | 0 0 | 0     | 0   | 0  | 0      | 0  | 0  | 0        | )   |
| 21    | 928 55th Ave.                         | 10                    | C              | 3,122      | 0             | C        | C            | 0             | C  | ) (   | ) ( | 0 0 | 0     | 0   | 0  | 0      | 0  | 0  | 0        | )   |
|       |                                       |                       |                |            | 0             | C        | C            |               |    |       |     |     |       |     |    |        |    |    |          |     |
|       | Total (No Action Projects)            | 100                   | 12,937         | 19.909     | 3.639         | 367      | 33           | 502           | 7  | 1 2   | ) ( | 3   | 1     | 3   | 0  | 0      | 0  | 0  |          | ) ( |

|       |                                       |                |                | Community  |               |          |              |               | Temp  | oral Distri | butior | Tota | al Person | Trips | Aut | o Person | Trips | Ta  | xi Person | Trips | Bus | s Person T | Frips | Subw | ay Persor | n Trips | Walk | Person T | Frips S | chool B | us Person Tri | rips |
|-------|---------------------------------------|----------------|----------------|------------|---------------|----------|--------------|---------------|-------|-------------|--------|------|-----------|-------|-----|----------|-------|-----|-----------|-------|-----|------------|-------|------|-----------|---------|------|----------|---------|---------|---------------|------|
|       |                                       | Residential    | Retail (Local) | Facility   |               | School   |              |               |       |             |        |      |           |       |     |          |       |     |           |       |     |            |       |      |           |         |      |          |         | _       |               |      |
|       |                                       | Dwelling Units | Floor Area     | Floor Area | Davcare Floor | Students | School Staff | Weekday       |       |             |        |      |           |       |     |          |       |     |           |       |     |            |       |      |           |         |      |          |         |         |               |      |
| Map # | Site Location                         | (DŬ)           | (GSF)          | (GSF)      | Area (GSF)    | (Seats)  | (1)          | Davcare Trips | AM    | MD          | PM     | AM   | MD        | PM    | AM  | MD       | PM    | AM  | MD        | PM    | AM  | MD         | PM    | AM   | MD        | PM      | AM   | MD       | PM /    | AM      | MD PN         | 'M   |
| 1     | 984 52nd St.                          | 6              | 6 0            | (          | 0 0           | ) (      | 0 0          | 0             | 16.0% | 5.0%        | 19.0%  | 0    | 0         | 0     | 0   | (        | 0 0   | ) ( | 0 0       | 0     | 0   | 0          | 0     | 0    | 0         | 0       | 0    | 0        | 0       | 0       | 0             | 0    |
| 2     | 5814-5820 Ft. Hamilton Pkwy           | (              | 10.602         | 11.694     | 4 (           | 0        | 0 0          | 0             | 16.0% | 5.0%        | 19.0%  | 0    | 0         | 0     | 0   | (        | 0 0   | ) ( | 0 0       | 0     | 0   | 0          | 0     | 0    | 0         | 0       | 0    | 0        | 0       | 0       | 0             | 0    |
| 3     | 843-845 54th St.                      | 10             | 0 0            | 1,505      | 5 (           | ) ()     | 0 0          | 0             | 16.0% | 5.0%        | 19.0%  | 0    | 0         | 0     | 0   | (        | 0 0   | ) ( | 0 0       | 0     | 0   | 0          | 0     | 0    | 0         | 0       | 0    | 0        | 0       | 0       | 0             | 0    |
| 4     | 1128 56th St.                         | 2              | 2 0            | (          | 0 0           | ) ()     | 0 0          | 0             | 16.0% | 5.0%        | 19.0%  | 0    | 0         | 0     | 0   | (        | 0 0   | ) ( | 0 0       | 0     | 0   | 0          | 0     | 0    | 0         | 0       | 0    | 0        | 0       | 0       | 0             | 0    |
| 5     | 864 59th St.                          | 5              | i 0            | 3,639      | 9 3,639       |          | 0 0          | 502           | 16.0% | 5.0%        | 19.0%  | 80   | 25        | 95    | 12  | 4        | 14    | 4   | 1         | 5     | 8   | 3          | 10    | 16   | 5         | 19      | 40   | 13       | 48      | 0       | 0             | 0    |
| 6     | 857 60th St.                          | 9              | 2,335          | (          | 0 0           | 0 (      | 0 0          | 0             | 16.0% | 5.0%        | 19.0%  | 0    | 0         | 0     | 0   | (        | 0 0   | ) ( | 0 0       | 0     | 0   | 0          | 0     | 0    | 0         | 0       | 0    | 0        | 0       | 0       | 0             | 0    |
| 7     | 1154 59th St.                         | 3              | 8 0            | (          | 0 0           | 0 (      | 0 0          | 0             | 16.0% | 5.0%        | 19.0%  | 0    | 0         | 0     | 0   | (        | 0 (   | ) ( | 0 0       | 0     | 0   | 0          | 0     | 0    | 0         | 0       | 0    | 0        | 0       | 0       | 0             | 0    |
| 8     | 1152-1154 59th St.                    | 3              | 8 0            | (          | 0 0           | ) ()     | 0 0          | 0             | 16.0% | 5.0%        | 19.0%  | 0    | 0         | 0     | 0   | (        | 0 (   | ) ( | 0 0       | 0     | 0   | 0          | 0     | 0    | 0         | 0       | 0    | 0        | 0       | 0       | 0             | 0    |
| 9     | 1248 56th St.                         | 1              | 0              | (          | 0 0           | 0 (      | 0 0          | 0             | 16.0% | 5.0%        | 19.0%  | 0    | 0         | 0     | 0   | (        | 0 0   | ) ( | 0 0       | 0     | 0   | 0          | 0     | 0    | 0         | 0       | 0    | 0        | 0       | 0       | 0             | 0    |
| 10    | 1262 50th St.                         | 6              | 6 0            | (          | 0 0           | 0 (      | 0 0          | 0             | 16.0% | 5.0%        | 19.0%  | 0    | 0         | 0     | 0   | (        | 0 0   | ) ( | 0 0       | 0     | 0   | 0          | 0     | 0    | 0         | 0       | 0    | 0        | 0       | 0       | 0             | 0    |
| 11    | 1246 49th St.                         | 3              | 8 0            | (          | 0 0           | 0 (      | 0 0          | 0             | 16.0% | 5.0%        | 19.0%  | 0    | 0         | 0     | 0   | (        | 0 0   | ) ( | 0 0       | 0     | 0   | 0          | 0     | 0    | 0         | 0       | 0    | 0        | 0       | 0       | 0             | 0    |
| 12    | 1118 45th St.                         | 6              | 6 0            | (          | 0 0           | 0 (      | 0 0          | 0             | 16.0% | 5.0%        | 19.0%  | 0    | 0         | 0     | 0   | (        | 0 0   | ) ( | 0 0       | 0     | 0   | 0          | 0     | 0    | 0         | 0       | 0    | 0        | 0       | 0       | 0             | 0    |
| 13    | 4506 12th Ave.                        | 10             | 0 0            | (          | 0 0           | 0 0      | 0 0          | 0             | 16.0% | 5.0%        | 19.0%  | 0    | 0         | 0     | 0   | (        | 0 0   | ) ( | 0 0       | 0     | 0   | 0          | 0     | 0    | 0         | 0       | 0    | 0        | 0       | 0       | 0             | 0    |
| 14    | 1190 44th St.                         | 4              | 0              | (          | 0 0           | 0 0      | 0 0          | 0             | 16.0% | 5.0%        | 19.0%  | 0    | 0         | 0     | 0   | (        | 0 0   | ) ( | ) ()      | 0     | 0   | 0          | 0     | 0    | 0         | 0       | 0    | 0        | 0       | 0       | 0             | 0    |
| 15    | 757 58th St.                          |                | 8 0            | 2,594      | 4 0           | 0 0      | 0 0          | 0             | 16.0% | 5.0%        | 19.0%  | 0    | 0         | 0     | 0   | (        | 0 0   | ) ( | ) ()      | 0     | 0   | 0          | 0     | 0    | 0         | 0       | 0    | 0        | 0       | 0       | 0             | 0    |
| 16    | 716 57th St.                          | 5              | 5 0            | 994        | 4 (           | ) (      | 0 0          | 0             | 16.0% | 5.0%        | 19.0%  | 0    | 0         | 0     | 0   | (        | 0 0   | ) ( | 0 0       | 0     | 0   | 0          | 0     | 0    | 0         | 0       | 0    | 0        | 0       | 0       | 0             | 0    |
| 17    | 749 49th St.                          | 8              | 8 0            | (          | 0 0           | ) ()     | 0 0          | 0             | 16.0% | 5.0%        | 19.0%  | 0    | 0         | 0     | 0   | (        | 0 0   | ) ( | 0 0       | 0     | 0   | 0          | 0     | 0    | 0         | 0       | 0    | 0        | 0       | 0       | 0             | 0    |
| 18    | 5105 Fort Hamilton Pkwy (PS 160 Annex | (              | 0 0            | (          | 0 0           | 100      | 9            | 0             | 16.0% | 5.0%        | 19.0%  | 0    | 0         | 0     | 0   | (        | 0 0   | ) ( | 0 0       | 0     | 0   | 0          | 0     | 0    | 0         | 0       | 0    | 0        | 0       | 0       | 0             | 0    |
| 19    | 942 62nd Street (PS 310)              | (              | 0 0            | (          | 0 0           | 267      | 7 24         | . 0           | 16.0% | 5.0%        | 19.0%  | 0    | 0         | 0     | 0   | (        | 0 0   | ) ( | 0 0       | 0     | 0   | 0          | 0     | 0    | 0         | 0       | 0    | 0        | 0       | 0       | 0             | 0    |
| 20    | 986 52nd St.                          | 6              | i 0            | (          | 0 (           | 0 0      | 0 0          | 0             | 16.0% | 5.0%        | 19.0%  | 0    | 0         | 0     | 0   | (        | 0 0   | ) ( | 0 0       | 0     | 0   | 0          | 0     | 0    | 0         | 0       | 0    | 0        | 0       | 0       | 0             | 0    |
| 21    | 928 55th Ave.                         | 10             | 0 0            | (          | 0 (           | 0 0      | 0 0          | 0             | 16.0% | 5.0%        | 19.0%  | 0    | 0         | 0     | 0   | (        | 0 0   | ) ( | 0 0       | 0     | 0   | 0          | 0     | 0    | 0         | 0       | 0    | 0        | 0       | 0       | 0             | 0    |
|       |                                       |                |                |            | (             | ) (      | 0 0          |               |       |             |        |      |           |       |     |          |       |     |           |       |     |            |       |      |           |         |      |          |         | _       |               |      |
|       | Total (No Action Projects)            | 100            | 12 937         | 20 426     | 6 3.639       | 367      | 7 33         | 502           |       |             |        | 80   | 25        | 95    | 12  | 4        | 14    | 4   | 1         | 5     | 8   | 3          | 10    | 16   | 5         | 19      | 40   | 13       | 48      | 0       | 0             | 0    |

#### **Community Facility Trips**

|       |                                       |                |                | Community  |               |          |              |                |    | Autos |     |    | Taxis |    |    | Trucks |    | S  | chool Bu: | ses |
|-------|---------------------------------------|----------------|----------------|------------|---------------|----------|--------------|----------------|----|-------|-----|----|-------|----|----|--------|----|----|-----------|-----|
|       |                                       | Residential    | Retail (Local) | Facility   |               | School   |              | Weekday        |    |       |     |    |       |    |    |        |    |    |           |     |
|       |                                       | Dwelling Units | Floor Area     | Floor Area | Daycare Floor | Students | School Staff | Community      |    |       |     |    |       |    |    |        |    |    |           |     |
| Map # | Site Location                         | (DU)           | (GSF)          | (GSF)      | Area (GSF)    | (Seats)  | (1)          | Facility Trips | AM | MD    | PM  | AM | MD    | PM | AM | MD     | PM | AM | MD        | PM  |
| 1     | 984 52nd St.                          | 6              | 0              | C          | 0 0           | 0        | C            | 0              | C  | ) (   | 0 0 | (  | 0 0   | 0  | 0  | 0      | 0  | 0  | 0         | j   |
| 2     | 5814-5820 Ft. Hamilton Pkwy           | 0              | 10,602         | 11,694     | 0             | 0        | C            | 561            | 1  | 2     | 2 1 | (  | ) (   | 0  | 0  | 0      | 0  | 0  | C         | 1   |
| 3     | 843-845 54th St.                      | 10             | 0              | 1,505      | 5 0           | 0        | C            | 72             | C  | ) (   | 0 0 | (  | 0 0   | 0  | 0  | 0      | 0  | 0  | C         | 1   |
| 4     | 1128 56th St.                         | 2              | 0              | C          | 0 0           | 0        | C            | 0              | C  | ) (   | 0 0 | (  | 0 0   | 0  | 0  | 0      | 0  | 0  | C         | 1   |
| 5     | 864 59th St.                          | 5              | 0              | C          | 3,639         | 0        | C            | 0              | C  | ) (   | 0 0 | (  | 0 0   | 0  | 0  | 0      | 0  | 0  | C         | 1   |
| 6     | 857 60th St.                          | 9              | 2,335          | 0          | 0 0           | 0        | 0            | 0              | C  | ) (   | 0 0 | (  | 0 0   | 0  | 0  | 0      | 0  | 0  | 0         | 1   |
| 7     | 1154 59th St.                         | 3              | 0              | 0          | 0 0           | 0        | 0            | 0              | C  | ) (   | 0 0 | (  | 0 0   | 0  | 0  | 0      | 0  | 0  | C         | 1   |
| 8     | 1152-1154 59th St.                    | 3              | 0              | 0          | 0 0           | 0        | 0            | 0              | C  | ) (   | 0 0 | (  | 0 0   | 0  | 0  | 0      | 0  | 0  | C         | 1   |
| 9     | 1248 56th St.                         | 1              | 0              | 0          | 0 0           | 0        | 0            | 0              | C  | ) (   | 0 0 | (  | 0 0   | 0  | 0  | 0      | 0  | 0  | C         | 1   |
| 10    | 1262 50th St.                         | 6              | 0              | C          | 0 0           | 0        | C            | 0              | C  | ) (   | 0 0 | (  | 0 0   | 0  | 0  | 0      | 0  | 0  | C         | 1   |
| 11    | 1246 49th St.                         | 3              | 0              | 0          | 0 0           | 0        | C            | 0              | C  | ) (   | 0 0 | (  | 0 0   | 0  | 0  | 0      | 0  | 0  | C         | 1   |
| 12    | 1118 45th St.                         | 6              | 0              | C          | 0 0           | 0        | C            | 0              | C  | ) (   | 0 0 | (  | 0 0   | 0  | 0  | 0      | 0  | 0  | C         | 1   |
| 13    | 4506 12th Ave.                        | 10             | 0              | C          | 0 0           | 0        | C            | 0              | C  | ) (   | 0 0 | (  | 0 0   | 0  | 0  | 0      | 0  | 0  | C         | 1   |
| 14    | 1190 44th St.                         | 4              | 0              | C          | 0 0           | 0        | C            | 0              | C  | ) (   | 0 0 | (  | 0 0   | 0  | 0  | 0      | 0  | 0  | C         | 1   |
| 15    | 757 58th St.                          | 3              | 0              | 2,594      | 0             | 0        | C            | 125            | C  | ) (   | 0 0 | (  | 0 0   | 0  | 0  | 0      | 0  | 0  | C         | 1   |
| 16    | 716 57th St.                          | 5              | 0              | 994        | 0             | 0        | C            | 48             | C  | ) (   | 0 0 | (  | 0 0   | 0  | 0  | 0      | 0  | 0  | 0         | j   |
| 17    | 749 49th St.                          | 8              | 0              | C          | 0 0           | 0        | C            | 0              | C  | ) (   | 0 0 | (  | 0 0   | 0  | 0  | 0      | 0  | 0  | 0         | j   |
| 18    | 5105 Fort Hamilton Pkwy (PS 160 Annex | 0              | 0              | C          | 0 0           | 100      | g            | 0              | C  | ) (   | 0 0 | (  | 0 0   | 0  | 0  | 0      | 0  | 0  | 0         | j   |
| 19    | 942 62nd Street (PS 310)              | 0              | 0              | C          | 0 0           | 267      | 24           | . 0            | C  | ) (   | 0 0 | (  | 0 0   | 0  | 0  | 0      | 0  | 0  | C         | 1   |
| 20    | 986 52nd St.                          | 6              | 0              | C          | 0 0           | 0        | C            | 0              | C  | ) (   | 0 0 | (  | 0 0   | 0  | 0  | 0      | 0  | 0  | C         | 1   |
| 21    | 928 55th Ave.                         | 10             | 0              | 3,122      | 0             | 0        | C            | 150            | C  | ) (   | 0 0 | (  | 0 0   | 0  | 0  | 0      | 0  | 0  | C         | 1   |
|       |                                       |                |                |            | 0             | 0        | C            |                |    |       |     |    |       |    |    |        |    |    |           |     |
|       | Total (No Action Projects)            | 100            | 12,937         | 19,909     | 3,639         | 367      | 33           | 956            | 1  | 2     | 2 1 | (  | 0 0   | 0  | 0  | 0      | 0  | 0  | (         | j l |

|       |                                       |                |                | Community  |               |          |              |                | Temp | oral Distr | ibutior | Tota | I Person | Trips | Auto | o Person T | Trips | Ta  | xi Person | Trips | Bu | s Person Trips | Subway Perso | n Trips W | Valk P | Person Trips | School Bus Pe | arson Trips |
|-------|---------------------------------------|----------------|----------------|------------|---------------|----------|--------------|----------------|------|------------|---------|------|----------|-------|------|------------|-------|-----|-----------|-------|----|----------------|--------------|-----------|--------|--------------|---------------|-------------|
|       |                                       | Residential    | Retail (Local) | Facility   |               | School   |              | Weekday        |      |            |         |      |          |       |      |            |       |     |           |       |    |                |              |           |        |              |               |             |
|       |                                       | Dwelling Units | Floor Area     | Floor Area | Davcare Floor | Students | School Staff | Community      |      |            |         |      |          |       |      |            |       |     |           |       |    |                |              |           |        |              |               |             |
| Map # | Site Location                         | (DU)           | (GSF)          | (GSF)      | Area (GSF)    | (Seats)  | (1)          | Facility Trips | AM   | MD         | PM      | AM   | MD       | PM    | AM   | MD         | PM    | AM  | MD        | PM    | AM | MD PM          | AM MD        | PM AM     |        | MD PM        | AM MD         | PM          |
| 1     | 984 52nd St.                          | 6              | 6 0            |            | 0 0           | ) (      | ) (          | 0              | 7.1% | 10.0%      | 7.2%    | 0    | 0        | 0     | 0    | 0          | 0     | ) ( | 0 0       | 0     | 0  | 0              | 0 0          | 0 0       | 0      | 0 0          | 0             | 0 0         |
| 2     | 5814-5820 Ft. Hamilton Pkwy           | (              | 10,602         | 11,69      | 4 (           | 0 (      | 0 (          | 561            | 7.1% | 10.0%      | 7.2%    | 40   | 56       | 40    | 2    | 3          | 2     | 2   | 0 1       | 0     | 1  | 2              | 1 2 3        | 3 2 3     | 34     | 48 34        | 0             | 0 0         |
| 3     | 843-845 54th St.                      | 10             | 0 0            | 1,50       | 5 (           | ) (      | ) (          | 72             | 7.1% | 10.0%      | 7.2%    | 5    | 7        | 5     | 0    | 0          | 0     | ) ( | 0 0       | 0     | 0  | 0              | 0 0          | 0 0       | 4      | 6 4          | 0             | 0 0         |
| 4     | 1128 56th St.                         | 2              | 2 0            |            | 0 0           | ) (      | ) (          | 0 0            | 7.1% | 10.0%      | 7.2%    | 0    | 0        | 0     | 0    | 0          | 0     | ) ( | 0 0       | 0     | 0  | 0              | 0 0          | 0 0       | 0      | 0 0          | 0             | 0 0         |
| 5     | 864 59th St.                          | 5              | 5 O            | 3,63       | 3,639         |          | ) (          | 175            | 7.1% | 10.0%      | 7.2%    | 0    | 0        | 0     | 0    | 0          | 0     | ) ( | 0 0       | 0     | 0  | 0              | 0 0          | 0 0       | 0      | 0 0          | 0             | 0 0         |
| 6     | 857 60th St.                          | 9              | 2,335          |            | 0 0           | 0 (      | ) (          | 0 0            | 7.1% | 10.0%      | 7.2%    | 0    | 0        | 0     | 0    | 0          | 0     | )   | 0 0       | 0     | 0  | 0              | 0 0          | 0 0       | 0      | 0 0          | 0             | 0 0         |
| 7     | 1154 59th St.                         | 3              | 8 0            |            | 0 0           | 0 (      | ) (          | 0 0            | 7.1% | 10.0%      | 7.2%    | 0    | 0        | 0     | 0    | 0          | 0     | ) ( | 0 0       | 0     | 0  | 0              | 0 0          | 0 0       | 0      | 0 0          | 0             | 0 0         |
| 8     | 1152-1154 59th St.                    | 3              | 8 0            | (          | 0 0           | ) (      | ) (          | 0 0            | 7.1% | 10.0%      | 7.2%    | 0    | 0        | 0     | 0    | 0          | 0     | ) ( | 0 0       | 0     | 0  | 0              | 0 0          | 0 0       | 0      | 0 0          | 0             | 0 0         |
| 9     | 1248 56th St.                         | 1              | 0              | (          | 0 0           | ) (      | ) (          | 0 0            | 7.1% | 10.0%      | 7.2%    | 0    | 0        | 0     | 0    | 0          | 0     | ) ( | 0 0       | 0     | 0  | 0              | 0 0          | 0 0       | 0      | 0 0          | 0             | 0 0         |
| 10    | 1262 50th St.                         | 6              | 6 0            |            | 0 0           | 0 (      | ) (          | 0 0            | 7.1% | 10.0%      | 7.2%    | 0    | 0        | 0     | 0    | 0          | 0     | )   | 0 0       | 0     | 0  | 0              | 0 0          | 0 0       | 0      | 0 0          | 0             | 0 0         |
| 11    | 1246 49th St.                         | 3              | 8 0            |            | 0 0           | 0 (      | ) (          | 0 0            | 7.1% | 10.0%      | 7.2%    | 0    | 0        | 0     | 0    | 0          | 0     | ) ( | 0 0       | 0     | 0  | 0              | 0 0          | 0 0       | 0      | 0 0          | 0             | 0 0         |
| 12    | 1118 45th St.                         | 6              | 6 0            |            | 0 0           | 0 (      | ) (          | 0 0            | 7.1% | 10.0%      | 7.2%    | 0    | 0        | 0     | 0    | 0          | 0     | ) ( | 0 0       | 0     | 0  | 0              | 0 0          | 0 0       | 0      | 0 0          | 0             | 0 0         |
| 13    | 4506 12th Ave.                        | 10             | 0 0            |            | 0 0           | 0 (      | ) (          | 0 0            | 7.1% | 10.0%      | 7.2%    | 0    | 0        | 0     | 0    | 0          | 0     | ) ( | 0 0       | 0     | 0  | 0              | 0 0          | 0 0       | 0      | 0 0          | 0             | 0 0         |
| 14    | 1190 44th St.                         | 4              | 0              |            | 0 0           | 0 ()     | 0 (          | 0 0            | 7.1% | 10.0%      | 7.2%    | 0    | 0        | 0     | 0    | 0          | 0     | )   | 0 0       | 0     | 0  | 0              | 0 0          | 0 0       | 0      | 0 0          | 0             | 0 0         |
| 15    | 757 58th St.                          | 3              | 8 0            | 2,59       | 4 (           | 0 ()     | 0 (          | 125            | 7.1% | 10.0%      | 7.2%    | 9    | 12       | 9     | 0    | 1          | 0     | )   | 0 0       | 0     | 0  | 0              | 0 1          | 1 1       | 8      | 11 8         | 0             | 0 0         |
| 16    | 716 57th St.                          | 5              | 5 O            | 994        | 4 (           | ) (      | ) (          | 48             | 7.1% | 10.0%      | 7.2%    | 3    | 5        | 3     | 0    | 0          | 0     | ) ( | 0 0       | 0     | 0  | 0              | 0 0          | 0 0       | 3      | 4 3          | 0             | 0 0         |
| 17    | 749 49th St.                          | 8              | 8 0            |            | 0 (           | ) (      | ) (          | 0 0            | 7.1% | 10.0%      | 7.2%    | 0    | 0        | 0     | 0    | 0          | 0     | ) ( | 0 0       | 0     | 0  | 0              | 0 0          | 0 0       | 0      | 0 0          | 0             | 0 0         |
| 18    | 5105 Fort Hamilton Pkwy (PS 160 Annex | (              | 0 0            |            | 0 (           | 100      | ) 9          | 9 0            | 7.1% | 10.0%      | 7.2%    | 0    | 0        | 0     | 0    | 0          | 0     | ) ( | 0 0       | 0     | 0  | 0              | 0 0          | 0 0       | 0      | 0 0          | 0             | 0 0         |
| 19    | 942 62nd Street (PS 310)              | (              | 0 0            |            | 0 (           | 267      | 7 24         | 1 0            | 7.1% | 10.0%      | 7.2%    | 0    | 0        | 0     | 0    | 0          | 0     | )   | 0 0       | 0     | 0  | 0              | 0 0          | 0 0       | 0      | 0 0          | 0             | 0 0         |
| 20    | 986 52nd St.                          | 6              | 6 0            |            | 0 (           | ) (      | ) (          | 0 0            | 7.1% | 10.0%      | 7.2%    | 0    | 0        | 0     | 0    | 0          | 0     | )   | 0 0       | 0     | 0  | 0              | 0 0          | 0 0       | 0      | 0 0          | 0             | 0 0         |
| 21    | 928 55th Ave.                         | 10             | 0 0            |            | 0 (           | ) (      | ) (          | 0 0            | 7.1% | 10.0%      | 7.2%    | 11   | 15       | 11    | 1    | 1          | 1     |     | 0 0       | 0     | 0  | 0              | 0 1          | 1 1       | 9      | 13 9         | 0             | 0 0         |
|       |                                       |                |                |            | (             | ) (      | ) (          | )              |      |            |         |      |          |       |      |            |       |     |           |       |    |                |              |           |        |              |               |             |
|       | Total (No Action Projects)            | 100            | 12,937         | 20.42      | 3.639         | 367      | 7 33         | 3 980          |      |            |         | 68   | 96       | 69    | 3    | 5          | 3     | 3   | 0 1       | 0     | 1  | 2              | 1 4          | 5 4 !     | 58     | 82 58        | 0             | 0 0         |

#### School Student Trips

|       |                                       |                |                | Community  |               |          |              |               | I  | Autos |    | 1  | Taxis |    | N  | O TRUCK | S  | Sc | hool Buse | es |
|-------|---------------------------------------|----------------|----------------|------------|---------------|----------|--------------|---------------|----|-------|----|----|-------|----|----|---------|----|----|-----------|----|
|       |                                       | Residential    | Retail (Local) | Facility   |               | School   |              | Weekday       |    |       |    |    |       |    |    |         |    |    |           |    |
|       |                                       | Dwelling Units | Floor Area     | Floor Area | Daycare Floor | Students | School Staff | School        |    |       |    |    |       |    |    |         |    |    |           | 1  |
| Map # | Site Location                         | (DŬ)           | (GSF)          | (GSF)      | Area (GSF)    | (Seats)  | (1)          | Student Trips | AM | MD    | PM | AM | MD    | PM | AM | MD      | PM | AM | MD        | PM |
| 1     | 984 52nd St.                          | 6              | 0              | 0          | 0             | 0        | 0            | 0             | C  | 0     | 0  | 0  | 0     | 0  |    |         |    | 0  | 0         | 0  |
| 2     | 5814-5820 Ft. Hamilton Pkwy           | 0              | 10,602         | 11,694     | 0             | 0        | 0            | 0             | C  | 0     | 0  | 0  | 0     | 0  |    |         |    | 0  | 0         | 0  |
| 3     | 843-845 54th St.                      | 10             | 0              | 1,505      | 0             | 0        | 0            | 0             | C  | 0     | 0  | 0  | 0     | 0  |    |         |    | 0  | 0         | 0  |
| 4     | 1128 56th St.                         | 2              | 0              | C          | 0             | 0        | 0            | 0             | C  | 0     | 0  | 0  | 0     | 0  |    |         |    | 0  | 0         | 0  |
| 5     | 864 59th St.                          | 5              | 0              | C          | 3,639         | 0        | 0            | 0             | C  | 0     | 0  | 0  | 0     | 0  |    |         |    | 0  | 0         | 0  |
| 6     | 857 60th St.                          | 9              | 2,335          | C          | 0             | 0        | 0            | 0             | C  | 0     | 0  | 0  | 0     | 0  |    |         |    | 0  | 0         | 0  |
| 7     | 1154 59th St.                         | 3              | 0              | 0          | 0             | 0        | 0            | 0             | 0  | 0     | 0  | 0  | 0     | 0  |    |         |    | 0  | 0         | 0  |
| 8     | 1152-1154 59th St.                    | 3              | 0              | 0          | 0             | 0        | 0            | 0             | 0  | 0     | 0  | 0  | 0     | 0  |    |         |    | 0  | 0         | 0  |
| 9     | 1248 56th St.                         | 1              | 0              | 0          | 0             | 0        | 0            | 0             | 0  | 0     | 0  | 0  | 0     | 0  |    |         |    | 0  | 0         | 0  |
| 10    | 1262 50th St.                         | 6              | 0              | C          | 0             | 0        | 0            | 0             | C  | 0     | 0  | 0  | 0     | 0  |    |         |    | 0  | 0         | 0  |
| 11    | 1246 49th St.                         | 3              | 0              | 0          | 0             | 0        | 0            | 0             | 0  | 0     | 0  | 0  | 0     | 0  |    |         |    | 0  | 0         | 0  |
| 12    | 1118 45th St.                         | 6              | 0              | 0          | 0             | 0        | 0            | 0             | 0  | 0     | 0  | 0  | 0     | 0  |    |         |    | 0  | 0         | 0  |
| 13    | 4506 12th Ave.                        | 10             | 0              | 0          | 0             | 0        | 0            | 0             | 0  | 0     | 0  | 0  | 0     | 0  |    |         |    | 0  | 0         | 0  |
| 14    | 1190 44th St.                         | 4              | 0              | 0          | 0             | 0        | 0            | 0             | 0  | 0     | 0  | 0  | 0     | 0  |    |         |    | 0  | 0         | 0  |
| 15    | 757 58th St.                          | 3              | 0              | 2,594      | 0             | 0        | 0            | 0             | 0  | 0     | 0  | 0  | 0     | 0  |    |         |    | 0  | 0         | 0  |
| 16    | 716 57th St.                          | 5              | 0              | 994        | 0             | 0        | 0            | 0             | C  | 0     | 0  | 0  | 0     | 0  |    |         |    | 0  | 0         | 0  |
| 17    | 749 49th St.                          | 8              | 0              | C          | 0             | 0        | 0            | 0             | C  | 0     | 0  | 0  | 0     | 0  |    |         |    | 0  | 0         | 0  |
| 18    | 5105 Fort Hamilton Pkwy (PS 160 Annex | 0              | 0              | 0          | 0             | 100      | 9            | 200           | 4  | 0     | 0  | 1  | 0     | 0  |    |         |    | 0  | 0         | 0  |
| 19    | 942 62nd Street (PS 310)              | 0              | 0              | C          | 0             | 267      | 24           | 534           | 10 | 0     | 0  | 4  | 0     | 0  |    |         |    | 1  | 0         | 0  |
| 20    | 986 52nd St.                          | 6              | 0              | C          | 0             | 0        | 0            | 0             | C  | 0     | 0  | 0  | 0     | 0  |    |         |    | 0  | 0         | 0  |
| 21    | 928 55th Ave.                         | 10             | 0              | 3,122      | 0             | 0        | 0            | 0             | C  | 0     | 0  | 0  | 0     | 0  |    |         |    | 0  | 0         | 0  |
|       |                                       |                |                |            | 0             | 0        | 0            |               |    |       |    |    |       |    |    |         |    |    |           |    |
|       | Total (No Action Projects)            | 100            | 12,937         | 19,909     | 3,639         | 367      | 33           | 734           | 14 | 0     | 0  | 5  | 0     | 0  | 0  | 0       | 0  | 1  | 0         | 0  |

|       |                                       |                |                | Community  |               |          |              |               | Temp  | oral Distri | ibutior | Tota | al Person | Trips | Aut | o Person ' | Trips | Ta  | xi Person ' | Trips | Bu | s Person Trips | Subway Pers | on Trips W | /alk Pers | rson Trips | School Bus Per | rson Trips |
|-------|---------------------------------------|----------------|----------------|------------|---------------|----------|--------------|---------------|-------|-------------|---------|------|-----------|-------|-----|------------|-------|-----|-------------|-------|----|----------------|-------------|------------|-----------|------------|----------------|------------|
|       |                                       | Residential    | Retail (Local) | Facility   |               | School   |              | Weekday       |       |             |         |      |           |       |     |            |       |     |             |       |    |                |             |            |           |            |                |            |
|       |                                       | Dwelling Units | Floor Area     | Floor Area | Daycare Floor | Students | School Staff | School        |       |             |         |      |           |       |     |            |       |     |             |       |    |                |             |            |           |            |                |            |
| Map # | Site Location                         | (DŬ)           | (GSF)          | (GSF)      | Area (GSF)    | (Seats)  | (1)          | Student Trips | AM    | MD          | PM      | AM   | MD        | PM    | AM  | MD         | PM    | AM  | MD          | PM    | AM | MD PM          | AM MD       | PM AM      | M         | 1D PM      | AM MD          | PM         |
| 1     | 984 52nd St.                          | 6              | 6 0            |            | 0 0           | ) (      | 0 0          | 0             | 50.0% | 0.0%        | 2.5%    | 0    | 0         | 0     | 0   | 0          | 0     | ) ( | 0 0         | 0 0   | 0  | 0              | 0 0         | 0 0        | 0         | 0 0        | 0              | 0 0        |
| 2     | 5814-5820 Ft. Hamilton Pkwy           | (              | 10,602         | 11,69      | 4 (           | ) ()     | 0 0          | 0             | 50.0% | 0.0%        | 2.5%    | 0    | 0         | 0     | 0   | 0          | 0     | ) ( | 0 0         | 0 (   | 0  | 0              | 0 0         | 0 0        | 0         | 0 0        | 0              | 0 0        |
| 3     | 843-845 54th St.                      | 10             | 0 0            | 1,50       | 5 (           | 0 (      | 0 0          | 0             | 50.0% | 0.0%        | 2.5%    | 0    | 0         | 0     | 0   | 0          | 0     | ) ( | 0 0         | 0 0   | 0  | 0              | 0 0         | 0 0        | 0         | 0 0        | 0              | 0 0        |
| 4     | 1128 56th St.                         | 2              | 2 0            |            | 0 0           | 0 (      | 0 0          | 0             | 50.0% | 0.0%        | 2.5%    | 0    | 0         | 0     | 0   | 0          | 0     | ) ( | 0 0         | 0 0   | 0  | 0              | 0 0         | 0 0        | 0         | 0 0        | 0              | 0 0        |
| 5     | 864 59th St.                          | 5              | 5 0            | 3,63       | 3,639         | 9 (      | 0 0          | 0             | 50.0% | 0.0%        | 2.5%    | 0    | 0         | 0     | 0   | 0          | 0     | ) ( | 0 0         | 0 0   | 0  | 0              | 0 0         | 0 0        | 0         | 0 0        | 0              | 0 0        |
| 6     | 857 60th St.                          | ę              | 2,335          |            | 0 0           | 0 (      | 0 0          | 0             | 50.0% | 0.0%        | 2.5%    | 0    | 0         | 0     | 0   | 0          | 0     | ) ( | 0 0         | 0 0   | 0  | 0              | 0 0         | 0 0        | 0         | 0 0        | 0              | 0 0        |
| 7     | 1154 59th St.                         | 3              | 8 0            |            | 0 0           | 0 0      | 0 0          | 0             | 50.0% | 0.0%        | 2.5%    | 0    | 0         | 0     | 0   | 0          | 0     | ) ( | 0 0         | 0 0   | 0  | 0              | 0 0         | 0 0        | 0         | 0 0        | 0              | 0 0        |
| 8     | 1152-1154 59th St.                    |                | 8 0            |            | 0 (           | ) (      | 0 0          | 0             | 50.0% | 0.0%        | 2.5%    | 0    | 0         | 0     | 0   | 0          | 0     | ) ( | 0 0         | 0 0   | 0  | 0              | 0 0         | 0 0        | 0         | 0 0        | 0              | 0 0        |
| 9     | 1248 56th St.                         | 1              | 0              |            | 0 (           | ) (      | 0 0          | 0             | 50.0% | 0.0%        | 2.5%    | 0    | 0         | 0     | 0   | 0          | 0     | ) ( | 0 0         | 0 0   | 0  | 0              | 0 0         | 0 0        | 0         | 0 0        | 0              | 0 0        |
| 10    | 1262 50th St.                         | e              | 5 O            |            | 0 0           | 0 (      | 0 0          | 0             | 50.0% | 0.0%        | 2.5%    | 0    | 0         | 0     | 0   | 0          | 0     | ) ( | 0 0         | 0 0   | 0  | 0              | 0 0         | 0 0        | 0         | 0 0        | 0              | 0 0        |
| 11    | 1246 49th St.                         | 3              | 8 0            |            | 0 0           | 0 0      | 0 0          | 0             | 50.0% | 0.0%        | 2.5%    | 0    | 0         | 0     | 0   | 0          | 0     | ) ( | 0 0         | 0 0   | 0  | 0              | 0 0         | 0 0        | 0         | 0 0        | 0              | 0 0        |
| 12    | 1118 45th St.                         | 6              | 6 0            |            | 0 0           | 0 0      | 0 0          | 0             | 50.0% | 0.0%        | 2.5%    | 0    | 0         | 0     | 0   | 0          | 0     | ) ( | 0 0         | 0 0   | 0  | 0              | 0 0         | 0 0        | 0         | 0 0        | 0              | 0 0        |
| 13    | 4506 12th Ave.                        | 10             | 0 0            |            | 0 0           | 0 0      | 0 0          | 0             | 50.0% | 0.0%        | 2.5%    | 0    | 0         | 0     | 0   | 0          | 0     | ) ( | 0 0         | 0 0   | 0  | 0              | 0 0         | 0 0        | 0         | 0 0        | 0              | 0 0        |
| 14    | 1190 44th St.                         | 4              | 0              |            | 0 0           | 0 0      | 0 0          | 0             | 50.0% | 0.0%        | 2.5%    | 0    | 0         | 0     | 0   | 0          | 0     | ) ( | 0 0         | 0 0   | 0  | 0              | 0 0         | 0 0        | 0         | 0 0        | 0              | 0 0        |
| 15    | 757 58th St.                          |                | 8 0            | 2,59       | 4 (           | ) (      | 0 0          | 0             | 50.0% | 0.0%        | 2.5%    | 0    | 0         | 0     | 0   | 0          | 0     | ) ( | 0 0         | 0 0   | 0  | 0              | 0 0         | 0 0        | 0         | 0 0        | 0              | 0 0        |
| 16    | 716 57th St.                          | 5              | 5 O            | 994        | 4 (           | ) ()     | 0 0          | 0             | 50.0% | 0.0%        | 2.5%    | 0    | 0         | 0     | 0   | 0          | 0     | ) ( | 0 0         | 0 0   | 0  | 0              | 0 0         | 0 0        | 0         | 0 0        | 0              | 0 0        |
| 17    | 749 49th St.                          | 8              | 8 0            |            | 0 0           | ) ()     | 0 0          | 0             | 50.0% | 0.0%        | 2.5%    | 0    | 0         | 0     | 0   | 0          | 0     | ) ( | 0 0         | 0 0   | 0  | 0              | 0 0         | 0 0        | 0         | 0 0        | 0              | 0 0        |
| 18    | 5105 Fort Hamilton Pkwy (PS 160 Annex | (              | 0 0            |            | 0 0           | 100      | 9 9          | 200           | 50.0% | 0.0%        | 2.5%    | 100  | 0         | 5     | 6   | 0          | 0     | ) 2 | 2 0         | 0 0   | 0  | 0              | 0 0         | i 0 C      | 88        | 0 4        | 4              | 0 0        |
| 19    | 942 62nd Street (PS 310)              | (              | 0 0            |            | 0 (           | 267      | 24           | 534           | 50.0% | 0.0%        | 2.5%    | 267  | 0         | 13    | 17  | 0          | 1     | 5   | 5 0         | 0 0   | 0  | 0              | 0 0         | 0 2        | 35        | 0 12       | 10             | 0 1        |
| 20    | 986 52nd St.                          | e              | i 0            |            | 0 (           | 0 0      | 0 0          | 0             | 50.0% | 0.0%        | 2.5%    | 0    | 0         | 0     | 0   | 0          | 0     | ) ( | 0 0         | 0 0   | 0  | 0              | 0 0         | 0 0        | 0         | 0 0        | 0              | 0 0        |
| 21    | 928 55th Ave.                         | 10             | 0 0            | 1          | 0 (           | 0 (      | 0 0          | 0             | 50.0% | 0.0%        | 2.5%    | 0    | 0         | 0     | 0   | 0          | 0     | ) ( | 0 0         | 0 0   | 0  | 0              | 0 0         | 0 0        | 0         | 0 0        | 0              | 0 0        |
|       |                                       |                |                |            | (             | ) (      | 0 0          |               |       |             |         |      |           |       |     |            |       |     |             |       |    |                |             |            |           |            |                |            |
|       | Total (No Action Projects)            | 100            | 12,937         | 20.42      | 6 3.639       | 367      | 33           | 734           |       |             |         | 367  | 0         | 18    | 23  | 0          | 1     | 7   | 7 0         | 0     | 0  | 0              | 0 0         | 0 0 3      | 23        | 0 16       | 14             | 0 1        |

#### School Staff Trips

| <u> </u>   |  |   |   | Community  |   |   |  |  |  | Autos  |  |  | Tavie  |  |  | Trucke  |  |   | chool Bue  | 00   | 1   |  | 1  |   | 1  |   |  |                |  |   |   |  |
|--|--|---|---|--|---|---|--|--|--|--|--|--|--|--|--|---|--|---|--|--|---|--|--|---|--|---|--|----------------|--|---|---|--|
|  |  | Residential   | Retail (Least)  | Encility   |   | Sahaal  |  | Weekday  |  | Autoa  |  | 1  | TANIS  |  |  | Писка   | 1  |   |  | 63   |   |  |  | Sahaal  |  |   |  |                |  |   |   |  |
|  |  | Residential   | Retail (Local)  | Facility   |   | 301001  |  | Weekuay  |  |  |  |  |  |  |  |   |  |   |  |  |   |  |  | 301001  |  |   |  |                |  |   |   |  |
|  |  | Dwelling Units  | s Floor Area  | Floor Area   | Daycare Floor   | Students  | School Staff   | School Staff   |  |  |  |  |  |  |  |   |  |   |  |  |   |  |  | SF  |  |   |  |                |  |   |   |  |
| Map #  | Site Location  | (DU)  | (GSF)   | (GSF)  | Area (GSF)  | (Seats)   | (1)  | Trips  | AM   | MD   | PM   | AM   | MD   | PM   | AM   | MD  | PM   | AM  | MD   | PM   |   |  |  | (/1000)   |  |   |  |                |  |   |   |  |
| 1  | 984 52nd St.   |   | 0 0   |  | 0 0   |   | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0  | 0   | 0 0  | 0  |   |  |  |   |  |   |  |                |  |   |   |  |
| 2  | 5814-5820 Ft. Hamilton Pkwy  | (   | 10,602  | 11,69  | 4 0   | (   | 0 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0  | 0   | 0 0  | 0  |   |  |  |   |  |   |  |                |  |   |   |  |
| 3  | 843-845 54th St.   | 10  | 0 0   | 1,50   | 5 0   | (   | 0 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0  | 0   | 0 0  | 0  |   |  |  |   |  |   |  |                |  |   |   |  |
| 4  | 1128 56th St.  | 2   | 2 0   |  | 0 0   | (   | 0 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0  | 0   | 0 0  | 0  |   |  |  |   |  |   |  |                |  |   |   |  |
| 5  | 864 59th St.   | E   | 5 0   |  | 0 3,639   | (   | 0 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0  | 0   | 0 0  | 0  |   |  |  |   |  |   |  |                |  |   |   |  |
| 6  | 857 60th St.   | 9   | 9 2,335   |  | 0 0   | (   | 0 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0  | 0   | 0 0  | 0  |   |  |  |   |  |   |  |                |  |   |   |  |
| 7  | 1154 59th St.  | 3   | 3 0   |  | 0 0   | (   | 0 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0  | 0   | 0 0  | 0  |   |  |  |   |  |   |  |                |  |   |   |  |
| 8  | 1152-1154 59th St.   | 3   | 3 0   |  | 0 0   | (   | 0 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0  | 0   | 0 0  | 0  |   |  |  |   |  |   |  |                |  |   |   |  |
| 9  | 1248 56th St.  | 1   | 1 0   |  | 0 0   | (   | 0 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0  | 0   | 0 0  | 0  |   |  |  |   |  |   |  |                |  |   |   |  |
| 10   | 1262 50th St.  | 6   | 6 0   |  | 0 0   | (   | 0 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0  | 0   | 0 0  | 0  |   |  |  |   |  |   |  |                |  |   |   |  |
| 11   | 1246 49th St.  | 3   | 3 0   |  | 0 0   | (   | 0 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0  | 0   | 0 0  | 0  |   |  |  |   |  |   |  |                |  |   |   |  |
| 12   | 1118 45th St.  | 6   | 6 0   |  | 0 0   | (   | 0 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0  | 0   | 0 0  | 0  |   |  |  |   |  |   |  |                |  |   |   |  |
| 13   | 4506 12th Ave.   | 10  | 0 0   | -  | 0 0   | (   | 0 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0  | 0   | 0 0  | 0  |   |  |  |   |  |   |  |                |  |   |   |  |
| 14   | 1190 44th St.  | 4   | 4 0   |  | 0 0   | (   | 0 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0  | 0   | 0 0  | 0  |   |  |  |   | 1  |   |  |                |  |   |   |  |
| 15   | 757 58th St.   | 3   | 3 0   | 2,59   | 4 0   | (   | 0 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0  | 0   | 0 0  | 0  |   |  |  |   | 1  |   |  |                |  |   |   |  |
| 16   | 716 57th St.   | 5   | 5 0   | 994  | 4 0   | (   | 0 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0  | 0   | 0 0  | 0  |   |  |  |   |  |   |  |                |  |   |   |  |
| 17   | 749 49th St.   | 8   | в 0   |  | 0 0   | (   | 0 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0  | 0   | 0 0  | 0  |   |  |  |   |  |   |  |                |  |   |   |  |
| 18   | 5105 Fort Hamilton Pkwy (PS 160 Annex  | (   | 0 0   |  | 0 0   | 100   | 9  | 18   | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0  | 0   | 0 0  | 0  |   |  |  | 55.000  | obtained   | from annu   | al facility  | survevs        | (NYC DO  | E   |   |  |
| 19   | 942 62nd Street (PS 310)   | (   | 0   |  | 0 0   | 267   | 24   | 48   | 1  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0  | 0   | 0 0  | 0  |   |  |  | 24.136  | obtained   | from annu   | al facility  | surveys        | NYC DO   | E   |   |  |
| 20   | 986 52nd St  | F   | 6 0   |  | 0 0   | (   | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0  | 0   | 0  | 0  |   |  |  |   |  |   | ,  |                |  |   |   |  |
| 21   | 928 55th Ave   | 10  | 0   | 3.12   | 2 0   |   | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0  | 0   | 0  | 0  |   |  |  |   |  |   |  |                |  |   |   |  |
|  | 620 0011 / WO.   |   |   | 0,12   | 0   |   | 0  | -  | -  |  | -  | -  | -  | -  |  |   | -  |   |  |  |   |  |  |   |  |   |  |                |  |   |   |  |
| -  | Total (No Action Projects)   | 100   | 40.007  | 10.00  |   |   |  |  |  | 0  |  |  | -  |  | •  | •   | 0  | 0   | 0  | 0  | -   |  |  |   | -  |   |  |                |  |   |   |  |
|  |  | 100   | 12.93/  | 19.90  | 9 3.639   | 36/   | 33   | 66   |  |  | 0  | 0  | 0  | 0  |  |   |  |   |  |  |   |  |  |   |  |   |  |                |  |   |   |  |
|  | Total (No Action Trojecta)   | 100   | 12,937  | 19,90  | 9 3,639   | 36/   | 33   | 66   |  | U  | U  | U  | U  | U  | U  | U   |  |   | , U  |  | 1   |  |  |   | 1  |   |  |                |  |   |   |  |
|  |  | 100   | 12,937  | 19,90  | 9 3,639   | 36/   | 33   | 66   | Tem  | oral Distri  | U<br>butior  | Total  | Person T   | rips   | Auto   | Person  | Trips  | Ta  | xi Person "  | Trips  | Bus   | s Person 1   | Frips  | Subv  | av Persor  | n Trips   | Wa   | k Persor       | n Trips  | Scho  | ol Bus Pers   | son Trips  |
|  |  | Residential   | Retail (Local)  | Community<br>Facility  | 9 3,639   | School  | 33   | 66<br>Weekday  | Temp   | oral Distri  | U<br>butior  | Total  | Person T   | rips   | Auto   | Person  | Trips  | Ta  | xi Person  | Trips  | Bus   | Person 1   | Frips  | Subv  | ay Persor  | n Trips   | Wal  | k Persor       | Trips  | Scho  | ol Bus Pers   | son Trips  |
|  |  | Residential   | Retail (Local)  | Community<br>Facility<br>Floor Area  | 9 3,639<br>Davcare Floor  | School<br>Students  | School Staff   | Weekday<br>School Staff  | Temp   | ooral Distri   | U<br>butior  | Total  | Person T   | u<br>rips  | Auto   | D Person  | Trips  | Ta  | xi Person  | Trips  | Bus   | Person 1   | Frips  | Subv  | ay Persor  | n Trips   | Wal  | k Persor       | Trips  | Scho  | ol Bus Pers   | son Trips  |
| Man #  | Site Location  | Residential<br>Dwelling Units<br>(DU)   | Retail (Local)<br>Floor Area  | Community<br>Facility<br>Floor Area<br>(GSE)   | Daycare Floor   | School<br>Students<br>(Seats)   | School Staff   | Weekday<br>School Staff<br>Trins   | Temp   | ooral Distri   | butior<br>PM   | Total  | Person T   | rips<br>PM   | Auto   | Person  | Trips  | Tax   | xi Person  | Trips  | Bus   | Person 1   | Trips<br>PM  | Subw  | ay Person  | n Trips<br>PM   | Wa   | k Persor       | Trips  | Scho  | ol Bus Pers   | son Trips  |
| Map #  | Site Location  | Residential<br>Dwelling Units<br>(DU)   | Retail (Local)<br>s Floor Area<br>(GSF)   | Community<br>Facility<br>Floor Area<br>(GSF)   | Daycare Floor<br>Area (GSF)   | School<br>Students<br>(Seats)   | School Staff   | Weekday<br>School Staff<br>Trips   | Temp<br>AM   | MD   | butior<br>PM<br>2.5%   | Total<br>AM  | Person T<br>MD   | rips<br>PM   | Auto   | D Person  | Trips<br>PM  | Ta:<br>AM   | xi Person '  | Trips<br>PM  | AM  | MD   | PM   | Subw<br>AM  | MD   | n Trips<br>PM   | Wal<br>AM  | k Persor<br>MD | PM   | Scho<br>AM  | MD  | PM   |
| Map #  | Site Location<br>984 52nd St.<br>5814.5620 Et Hamilton Pkww  | Residential<br>Dwelling Units<br>(DU)   | Retail (Local)<br>s Floor Area<br>(GSF)<br>6 0  | Community<br>Facility<br>Floor Area<br>(GSF)   | Daycare Floor<br>Area (GSF)   | School<br>Students<br>(Seats)   | School Staff   | Weekday<br>School Staff<br>Trips   | AM<br>5.0%   | MD<br>0.0%   | PM<br>2.5%   | Total<br>AM<br>0   | Person T<br>MD<br>0  | rips<br>PM<br>0  | Auto<br>AM<br>0  | MD<br>0   | Trips<br>PM<br>0   | AM<br>0   | xi Person  | PM<br>0  | AM<br>0   | MD   | PM<br>0  | Subw<br>AM<br>0   | MD   | PM  | Wal<br>AM<br>0   | k Persor<br>MD | PM   | AM  | MD  | PM   |
| Map #  | Site Location           984 52nd St.           5814-5820 FL Hamilton Pkwy           R24-845 544 51   | Residential<br>Dwelling Units<br>(DU)   | Retail (Local)<br>s Floor Area<br>(GSF)<br>6 0<br>10,602  | Community<br>Facility<br>Floor Area<br>(GSF)<br>111,69-  | Daycare Floor<br>Area (GSF)<br>0 0<br>5 0   | School<br>Students<br>(Seats)   | School Staff<br>(1)<br>0 0<br>0 0  | Weekday<br>School Staff<br>Trips<br>0<br>0   | AM<br>5.0%<br>5.0%   | MD<br>0.0%<br>0.0%   | U<br>butior<br>PM<br>2.5%<br>2.5%  | Total<br>AM<br>0   | MD<br>0<br>0   | rips<br>PM<br>0<br>0   | Auto<br>AM<br>0<br>0   | MD<br>0<br>0<br>0<br>0  | Trips<br>PM<br>0<br>0  | AM<br>0<br>0  | MD<br>0 0  | PM<br>0<br>0   | AM<br>0<br>0  | MD<br>0  | PM<br>0<br>0   | Subw<br>AM<br>0<br>0  | MD<br>0  | PM<br>0<br>0  | Wal<br>AM<br>0<br>0  | k Persor<br>MD | PM<br>0 0  | AM<br>0   | MD<br>0 0<br>0 0  | PM   |
| Map #  | Site Location           984 52nd St.           5314-5820 Ft. Hamilton Pkwy           843-845 54th St.           1138 68th St.  | Residential<br>Dwelling Units<br>(DU)<br>6<br>0<br>0  | Retail (Local)<br>s Floor Area<br>(GSF)<br>6 0<br>0 10,602<br>0 0<br>2 0  | Community<br>Facility<br>Floor Area<br>(GSF)<br>11,69<br>1,50  | J         3,639           Daycare Floor         Area (GSF)           0         0           4         0           5         0  | School<br>Students<br>(Seats)   | School Staff<br>(1)<br>0 0<br>0 0<br>0 0   | Weekday<br>School Staff<br>Trips<br>0<br>0<br>0  | AM<br>5.0%<br>5.0%   | 00000000000000000000000000000000000000   | U<br>butior<br>PM<br>2.5%<br>2.5%<br>2.5%  | Total<br>AM<br>0<br>0  | MD<br>0<br>0<br>0  | PM<br>0<br>0<br>0  | Auto<br>AM<br>0<br>0   | 0 Person<br>MD<br>0<br>0<br>0<br>0  | Trips<br>PM<br>0<br>0  | AM 0  | xi Person<br>MD<br>0 0<br>0 0<br>0 0   | PM<br>0<br>0   | AM<br>0<br>0  | MD<br>0<br>0   | PM 0<br>0  | Subw<br>AM<br>0<br>0  | MD<br>0<br>0   | PM<br>0<br>0<br>0   | AM<br>0<br>0   | k Persor<br>MD | PM<br>0 0  | AM<br>0<br>0  | MD<br>0 0<br>0 0<br>0 0<br>0 0  | PM<br>PM<br>) C<br>) C   |
| Map #<br>1<br>2<br>3<br>4  | 984 52nd St.<br>Site Location<br>984 52020 Ft. Hamilton Pikwy<br>883 465 5811 5812<br>1128 5681 St.<br>1128 5681 St.   | Residential<br>Dwelling Units<br>(DU)<br>6<br>0<br>0<br>10  | Retail (Local)<br>s Floor Area<br>(GSF)<br>6 0<br>10,602<br>0 0<br>2 0<br>5 0   | Community<br>Facility<br>Floor Area<br>(GSF)<br>11,69<br>1,50  | Daycare Floor<br>Daycare Floor<br>0 0 0<br>4 0<br>5 0<br>0 0 0<br>9 3 639   | School<br>Students<br>(Seats)<br>(C<br>(C)<br>(C)<br>(C)<br>(C)<br>(C)<br>(C)<br>(C)<br>(C)<br>(C)  | School Staff<br>(1)<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0   | Weekday<br>School Staff<br>Trips<br>0<br>0<br>0<br>0   | AM<br>5.0%<br>5.0%<br>5.0%<br>5.0%   | MD<br>0.0%<br>0.0%<br>0.0%<br>0.0%   | PM<br>2.5%<br>2.5%<br>2.5%<br>2.5%   | 0<br>Total<br>AM<br>0<br>0<br>0<br>0   | 0<br>Person T<br>MD<br>0<br>0<br>0<br>0  | 0<br>rips<br>PM<br>0<br>0<br>0<br>0  | Auto<br>AM<br>0<br>0<br>0  | 0 Person<br>MD<br>0<br>0<br>0<br>0<br>0<br>0  | Trips<br>PM<br>0<br>0<br>0<br>0<br>0<br>0  | AM<br>0<br>0<br>0<br>0  | xi Person *  | PM<br>0<br>0<br>0<br>0   | AM<br>0<br>0<br>0<br>0  | MD<br>0<br>0<br>0<br>0   | PM<br>0<br>0<br>0  | Subw<br>AM<br>0<br>0<br>0<br>0  | MD<br>0<br>0<br>0<br>0   | PM<br>PM<br>0<br>0<br>0   | Wal<br>AM<br>0<br>0<br>0<br>0  | k Persor<br>MD | PM 0 0 0   | AM<br>0<br>0<br>0<br>0  | 0 Bus Pers<br>MD<br>0 C<br>0 0<br>0 0<br>0 0<br>0 0   | Son Trips           PM           0           0           0           0           0           0           0           0           0           0           0           0           0   |
| Map #<br>1<br>2<br>3<br>4<br>5   | Site Location           984 52nd 51.           5814-5820 2F. Hamilton Pkwy           843-845 54th 51.           1128 56th 51.           864 59th 51.           867 89th 51.           867 89th 51.   | Residential<br>Dwelling Units<br>(DU)<br>6<br>0<br>10<br>10   | Retail (Local)<br>Floor Area<br>(GSF)<br>6 0<br>0 10,602<br>0 0<br>2 0<br>5 0<br>0 2 35<br>0 2 35<br>0 2 35<br>0 2 35<br>0 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3  | Community<br>Facility<br>Floor Area<br>(GSF)<br>11,69<br>1,50<br>3,63  | Daycare Floor<br>Area (GSF)<br>0 0 0<br>4 0<br>5 0<br>0 0<br>9 3,639  | School<br>Students<br>(Seats)   | School Staff<br>(1)<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | Weekday<br>School Staff<br>Trips<br>0<br>0<br>0<br>0<br>0  | AM<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%   | MD<br>0.0%<br>0.0%<br>0.0%<br>0.0%<br>0.0%   | PM<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%   | O<br>Total<br>AM<br>0<br>0<br>0<br>0<br>0  | 0<br>Person T<br>0<br>0<br>0<br>0  | rips<br>PM<br>0<br>0<br>0<br>0<br>0<br>0   | Auto<br>AM<br>0<br>0<br>0<br>0   | MD<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | Trips<br>PM<br>0<br>0<br>0<br>0<br>0<br>0  | AM 0  | xi Person *  | PM<br>0<br>0<br>0<br>0   | AM<br>0<br>0<br>0<br>0  | MD<br>0<br>0<br>0<br>0   | PM 0<br>0<br>0<br>0<br>0   | Subw<br>AM<br>0<br>0<br>0<br>0  | MD<br>0<br>0<br>0<br>0   | PM<br>0<br>0<br>0<br>0  | AM<br>0<br>0<br>0<br>0<br>0  | MD             | PM 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0   | AM<br>0<br>0<br>0<br>0<br>0   | MD<br>0 0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0   | Son Trips           PM           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0   |
| Map #<br>1<br>2<br>3<br>4<br>5<br>6<br>7   | Site Location           984.52nd St.           5814.520 Ft. Hamilton Pkwy           843.945 54th St.           944.960 St.           964.960 St.           964.960 St.           964.960 St.           964.960 St.   | Residential<br>Dwelling Units<br>(DU)<br>6<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | I         Iz,937           Retail (Local)         Floor Area           (GSF)         0           0         10,602           0         0           2         0           5         0           9         2,335           3         0   | Community<br>Facility<br>Floor Area<br>(GSF)<br>(11,69)<br>1,500<br>(3,633)  | Daycare Floor           Area (GSF)           0         0           4         0           5         0           0         0           9         3,639           0         0           0         0           0         0           0         0           0         0  | School<br>Students<br>(Seats)<br>(C<br>(C)<br>(C)<br>(C)<br>(C)<br>(C)<br>(C)<br>(C)<br>(C)<br>(C)  | School Staff (1) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0   | Weekday<br>School Staff<br>Trips<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | AM<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%   | MD<br>0.0%<br>0.0%<br>0.0%<br>0.0%<br>0.0%<br>0.0%   | PM<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%   | AM<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | 0<br>Person T<br>0<br>0<br>0<br>0<br>0<br>0  | rips<br>PM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | Auto<br>AM<br>0<br>0<br>0<br>0<br>0<br>0   | 0 Person<br>MD<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | Trips PM 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0   | AM 0  | xi Person<br>MD<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0  | PM         0           0         0           0         0           0         0           0         0   | AM<br>0<br>0<br>0<br>0<br>0<br>0  | MD<br>0<br>0<br>0<br>0<br>0<br>0   | PM<br>0<br>0<br>0<br>0<br>0<br>0   | Subw<br>AM<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | A Person<br>MD<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | n Trips<br>PM<br>0<br>0<br>0<br>0<br>0  | Wal  | k Persor<br>MD | PM<br>0 0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0   | AM<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | MD<br>0 0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0   | Son Trips           PM           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0   |
| Map #<br>1<br>2<br>3<br>4<br>5<br>6<br>7   | Site Location           984 52nd 51.           5814-5820 FL Hamilton Pkwy           843-845 54th 51.           128 56th 51.           864 59th 51.           867 60th 51.           867 60th 51.           867 60th 51.           867 60th 51.           1154 56th 51.           1154 56th 51.   | Residential<br>Dwelling Units<br>(DU)<br>6<br>6<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7  | Retail (Local)           Floor Area<br>(GSF)           6         0           0         10,602           0         0           2         0           5         0           2         0           5         0           2         0           2         0           2         0           2         0           3         0   | Community<br>Facility<br>Floor Area<br>(GSF)<br>(11,69)<br>1,500<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,69)<br>(11,  | J         3,639           Daycare Floor         Area (GSF)           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0  | School<br>Students<br>(Seats)<br>(C)<br>(C)<br>(C)<br>(C)<br>(C)<br>(C)<br>(C)<br>(C)<br>(C)<br>(C  | School Staff<br>(1)<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0  | Weekday<br>School Staff<br>Trips<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | AM<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%   | MD<br>0.0%<br>0.0%<br>0.0%<br>0.0%<br>0.0%<br>0.0%<br>0.0%   | PM<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%   | AM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | 0<br>Person T<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | rips<br>PM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | Auto<br>AM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | 0 Person<br>MD<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | Trips PM 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0   | AM 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0    | xi Person<br>MD<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | PM         0           0         0           0         0           0         0           0         0           0         0           0         0   | AM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | MD<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | PM 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | AM 0<br>00000000000000000000000000000000000   | MD<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | n Trips<br>PM<br>0<br>0<br>0<br>0<br>0<br>0   | Wal  | k Persor<br>MD | PM<br>0 0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0  | Scho<br>AM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | ol Bus Pers           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0   | Son Trips           PM           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0   |
| Map #<br>1<br>2<br>3<br>4<br>5<br>6<br>7<br>8  | Site Location           984 52nd St.           5814-5820 Ft. Hamilton Pkwy           843-945 54th St.           1128 56th St.           864 59th St.           1156 56th St.           1156 56th St.           1152 4154 59th St.  | Residential<br>Dwelling Units<br>(DU)<br>C<br>C<br>C<br>C<br>C<br>C<br>C<br>C<br>C<br>C<br>C<br>C<br>C<br>C<br>C<br>C<br>C<br>C<br>C  | Retail (Local)<br>Floor Area<br>(GSF)<br>6 0<br>10,602<br>0 0<br>2 0<br>5 0<br>9 2,335<br>3 0<br>3 0<br>4 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0  | Community<br>Facility<br>Floor Area<br>(GSF)<br>11.69<br>1,50<br>3.63  | J         3,639           Daycare Floor         Area (GSF)           0         0         0           0         0         0           0         0         0           9         3,639         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0  | School<br>Students<br>(Seats)<br>(C)<br>(C)<br>(C)<br>(C)<br>(C)<br>(C)<br>(C)<br>(C)<br>(C)<br>(C  | School Staff<br>(1)<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0  | Weekday<br>School Staff<br>Trips<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | AM<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%   | MD<br>0.0%<br>0.0%<br>0.0%<br>0.0%<br>0.0%<br>0.0%<br>0.0%<br>0.0  | PM<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%   | 0<br>Total<br>AM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | 0 Person T MD 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  | PM<br>PM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | Auto<br>AM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | MD<br>0 Person 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0  | Trips PM 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0   | AM 000000000000000000000000000000000000   | MD         0 | PM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | AM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | MD<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | PM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | Subw           AM           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0   | MD<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | n Trips<br>PM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0                | Wal<br>AM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | MD             | PM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | AM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | MD<br>0 C<br>0 C<br>0 C<br>0 C<br>0 C<br>0 C<br>0 C<br>0 C<br>0 C<br>0 C  | son Trips           PM           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0   |
| Map #<br>1<br>2<br>3<br>4<br>5<br>6<br>6<br>7<br>7<br>8<br>9<br>9  | Site Location           984 52nd St.           5814-5820 FL Hamilton Pkwy           943-945 54th St.           964 59th St.           964 59th St.           967 60th St.           1154 59th St.           1124 59th St.           1124 59th St.           1124 59th St.           124 59th St.           124 59th St.           124 59th St.   | Residential<br>Dwelling Units<br>(DU)<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | Retail (Local)           Floor Area<br>(GSF)           0         10,602           0         0,602           0         2           0         2           0         2,335           3         0           1         0   | Community<br>Facility<br>Floor Area<br>(GSF)<br>11,509<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,5000<br>1,500<br>1,500<br>1,5000<br>1,5 | Jaycare Floor           Area (GSF)           0         0           5         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0  | School<br>Students<br>(Seats)<br>(Contemportation<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contem   | School Staff (1) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0   | Weekday<br>School Staff<br>Trips<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | AM<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%   | MD<br>0.0%<br>0.0%<br>0.0%<br>0.0%<br>0.0%<br>0.0%<br>0.0%   | PM<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%   | AM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | 0<br>Person T<br>MD<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | 0<br>rips<br>PM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | Auto<br>AM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0                               | MD<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | PM         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0   | AM 000000000000000000000000000000000000   | xi Person<br>MD 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  | PM         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0   | AM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0                | MD<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | PM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | AM 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0   | MD<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0          | n Trips<br>PM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0                          | AM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | MD             | PM<br>0 0 0<br>0 0 0   | AM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | MD<br>0 C<br>0 C<br>0 C<br>0 C<br>0 C<br>0 C<br>0 C<br>0 C<br>0 C<br>0 C  | son Trips           PM           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0   |
| Map #<br>1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10   | Site Location           984 52nd St.           5814-5820 Ft. Hamilton Pkwy           943-945 54th St.           1128 56th St.           587 60th St.           1154 158h St.           1154 158h St.           1124 56th St.           1245 65th St.           1245 65th St.           1246 56th St.           1245 65th St.           1245 65th St.           1245 65th St.   | Residential<br>Dwelling Units<br>(DU) 6<br>(C)<br>2<br>2<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5   | Retail (Local)           Floor Area           (GSF)           0         10,602           0         0,002           0         0,002           0         0,002           0         0,002           0         0,002           0         0,002           0         0,003           0         0,003           0         0,003           0         0,003           0         0,003           0         0,003           0         0,003  | Community<br>Facility<br>Floor Area<br>(GSF)<br>11,69<br>1,50<br>3,63<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | Jaycare Floor           Area (GSF)           0         0           4         0           5         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0  | School<br>Students<br>(Seats)<br>(C)<br>(C)<br>(C)<br>(C)<br>(C)<br>(C)<br>(C)<br>(C)<br>(C)<br>(C  | School Staff (1) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0   | Weekday<br>School Staff<br>Trips<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | AM<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%   | MD<br>0.0%<br>0.0%<br>0.0%<br>0.0%<br>0.0%<br>0.0%<br>0.0%<br>0.0  | PM<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%   | 0<br>Total<br>AM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | MD         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0   | PM<br>PM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | Auto<br>AM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0                     | MD         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0  | PM         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0   | AM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | MD         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0   | PM         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0   | AM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0           | MD<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | PM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | AM 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0   | MD<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0          | n Trips<br>PM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0                | Wa<br>AM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | MD             | PM<br>PM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | AM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | MD         MD           0         C           0         C           0         C           0         C           0         C           0         C           0         C           0         C           0         C           0         C           0         O           0         O           0         O           0         O           0         O   | Son Trips           PM           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0   |
| Map #<br>1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11   | Site Location           984 52nd St.           5814-5820 Ft. Hamilton Pkwy           843-845 54H St.           1128 56th St.           854 69th St.           857 60th St.           1154 59th St.           1128 56th St.           1124 56th St.           1246 56th St.           1262 50th St.           1264 59th St.           1264 59th St.   | Residential<br>Dwelling Units<br>(DU)<br>6<br>6<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7  | Retail (Local)           s         Floor Area<br>(GSF)           0         10,602           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0   | Community<br>Facility<br>Floor Area<br>(GSF)<br>11.69<br>1.500<br>1.500  | J         3,639           Daycare Floor         Area (GSF)           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0  | School<br>Students<br>(Seats)<br>(Contemportation<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contemportation)<br>(Contem   | School Staff<br>(1)<br>0 00<br>0 00<br>0 00<br>0 00<br>0 00<br>0 00<br>0 00<br>0   | Veekday           School Staff           Trips           0   | AM<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%   | MD<br>0.0%<br>0.0%<br>0.0%<br>0.0%<br>0.0%<br>0.0%<br>0.0%<br>0.0  | PM<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%   | AM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | 0<br>Person T<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | PM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | Auto<br>AM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | MD         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0  | Trips<br>PM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | AM 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0                               | MD         0           MD         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0  | PM           0   | AM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | MD<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | PM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | AM 0<br>00000000000000000000000000000000000   | MD<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0          | PM<br>PM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0                     | Wa<br>AM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | MD             | PM<br>0 0 0<br>0 0 0  | AM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | MD         0         C           0         0         0         0           0         0         0         0         0           0                  | PM         O         C           0         C         C         C           0         C         C         C           0         C         C         C           0         C         C         C           0         C         C         C           0         C         C         C           0         C         C         C           0         C         C         C           0         C         C         C           0         C         C         C   |
| Map #<br>1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12   | Site Location           984 52nd St.           5814-5820 Ft Hamilton Pkwy           843-845 54th St.           864 59th St.           864 59th St.           864 59th St.           154 59th St.           152 154 59th St.           1248 59th St.  | Residential<br>Dwelling Units<br>(DU) 6<br>6<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7  | Retail (Local)           Floor Area<br>(GSF)           0         10,602           0         0,002           0         0,002           0         0,002           0         0,002           0         0,002           0         0,002           0         0,002           0         0,002           0         0,002           0         0,003           0         0,003           0         0,003           0         0,003           0         0,003           0         0,003   | Community<br>Facility<br>Floor Area<br>(GSF)<br>11,69<br>1,500<br>3,633  | Jaycare Floor           Area (GSF)           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0  | 36/           School           Students           (Seats)           (C  | School Staff (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)   | b6           Weekday           School Staff           Trips         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0  | AM<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%   | MD<br>0.0%<br>0.0%<br>0.0%<br>0.0%<br>0.0%<br>0.0%<br>0.0%<br>0.0  | PM<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%   | AM         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0   | MD           0   | PM<br>PM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | Auto<br>AM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | MD<br>0 Person 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0   | PM         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0   | AM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | xi Person ************************************   | PM         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0   | AM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | MD<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | PM         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0   | Subw           AM         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0   | MD<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0          | PM<br>PM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0                     | Wai           AM           0   | MD             | PM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | AM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | MD         MD           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0   | son Trips           PM           0         C           2         C           2         C           2         C           2         C           2         C           2         C           2         C           3         C           3         C           3         C           3         C           3         C   |
| Map #<br>1<br>2<br>3<br>4<br>5<br>6<br>6<br>7<br>7<br>8<br>9<br>10<br>11<br>12<br>13   | Site Location           984 52nd St.           5814-5820 Ft. Hamilton Pkwy           843-845 54H St.           1128 56th St.           864 59th St.           867 60th St.           1154 51th St.           1154 51th St.           1124 56th St.           1128 56th St.           1128 56th St.           1128 56th St.           1148 45th St.           545th St.           545th St.   | Residential<br>Dwelling Units<br>(DU)<br>(C)<br>(C)<br>(C)<br>(C)<br>(C)<br>(C)<br>(C)<br>(C)<br>(C)<br>(C  | Retail (Local)           Floor Area           GOSP           0         0           0         0           0         0           0         0           0         0           0         0           0         0           2         0           2         0           2         0           3         0           3         0           3         0           3         0           3         0           3         0           4         0           5         0           6         0           3         0           5         0           6         0           6         0           6         0           6         0           6         0           6         0           6         0           7         0  | Community<br>Facility<br>Floor Area<br>(GSF)<br>11.69<br>1.500<br>3.633  | Jaycare Floor<br>Area (OSF)           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0   | School           Students           (Seats)           C   | School Staff<br>(1)<br>0 00<br>0 00<br>0 00<br>0 00<br>0 00<br>0 00<br>0 00<br>0   | Weekday           School Staff           Trips           0   | AM<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%   | MD<br>0.0%<br>0.0%<br>0.0%<br>0.0%<br>0.0%<br>0.0%<br>0.0%<br>0.0  | PM<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%   | AM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | MD         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0                                 | PM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | AM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0                                  | MD<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | PM         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0   | AM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | MD         0           MD         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0  | PM         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0   | AM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | MD<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | PM         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0   | AM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | MD 000000000000000000000000000000000000  | PM<br>PM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | Ma<br>AM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | k Persor<br>MD | PM 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0   | AM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | MD         MD           0         C           0         C           0         C           0         C           0         C           0         C           0         C           0         C           0         C           0         C           0         C           0         O           0         O           0         O           0         O           0         O           0         O           0         O   | Son Trips           PM           0         C           2         C           3         C           3         C           3         C           3         C           3         C           3         C           3         C           3         C           3         C           3         C           3         C           3         C   |
| Map #<br>1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14   | Site Location           984 52nd St.           5814-5820 FL Hamilton Pkwy           843-945 54th St.           984 55nd St.           984 581 St.           984 591 St.           1154 59th St.           1248 59th St.           1248 59th St.           1248 59th St.           1248 59th St.           1184 59th St.           4506 12th Ave.           1190 44h St.  | Residential<br>Dwelling Units<br>(DU)<br>(CU)<br>(CU)<br>(CU)<br>(CU)<br>(CU)<br>(CU)<br>(CU)<br>(C   | Retail (Local)           s         Floor Area           6         0           7         0           8         0           9         0           2         0           2         0           3         0           3         0           3         0           3         0           3         0           3         0           4         0   | Community<br>Facility<br>Floor Area<br>(GSF)<br>11.69<br>1.50<br>3.63<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | Daycare Floor           Area (GSF)           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0  | School           Students           (Seats)           C   | School Staff<br>(1)<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0  | Weekday           School Staff           Trips           0   | AM<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%   | MD<br>0.0%<br>0.0%<br>0.0%<br>0.0%<br>0.0%<br>0.0%<br>0.0%<br>0.0  | PM<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%   | AM<br>   | MD           0   | PM<br>PM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | AM<br>AM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0                            | O Person     MD     0 | PM         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0   | AM 00 00 00 00 00 00 00 00 00 00 00 00 00   | MD         0 | PM         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0   | AM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | MD<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | PM           0   | Subw           AM         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0   | MD<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0          | PM<br>PM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0                     | Wal           AM           0   | MD             | PM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | AM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | MD         MD           0         C           0         C           0         C           0         C           0         C           0         C           0         C           0         C           0         C           0         C           0         C           0         O           0         O           0         O           0         O           0         O           0         O   | Son Trips           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0  |
| Map #<br>1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15   | Site Location           984 52nd St.           5814-5820 Ft. Hamilton Pkwy           843-845 541 Hamilton Pkwy           843-845 541 Hamilton Pkwy           847-846 581 St.           1128 568n St.           857 600n St.           1124 564n St.           1122 564n St.           1122 564n St.           1122 564n St.           1128 560n St.           1128 560n St.           1128 560n St.           1130 454n St.           1130 44h St.           757 58th St.  | Residential<br>Dwelling Units<br>(DU)<br>(C)<br>(C)<br>(C)<br>(C)<br>(C)<br>(C)<br>(C)<br>(C)<br>(C)<br>(C  | Retail (Local)           s         Floor Area           (GSF)         0           3         0           0         10.602           0         0           0         2.335           3         0           1         0           2         0           0         0           1         0           2         0           3         0           3         0           2         0           2         0           3         0           4         0           3         0  | Community<br>Facility<br>Floor Area<br>(GSF)<br>11.69<br>1.50<br>3.63<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4   | J         3,639           Daycare Floor         Area (GSF)           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0  | School           Students           (Seats)           C   | School Staff<br>(1)<br>0 00<br>0 00<br>0 00<br>0 00<br>0 00<br>0 00<br>0 00<br>0   | Weekday           School Staff           Trips           0   | AM<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%   | MD<br>0.0%<br>0.0%<br>0.0%<br>0.0%<br>0.0%<br>0.0%<br>0.0%<br>0.0  | PM<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2. | AM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | MD         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0                                 | PM<br>PM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | AM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0                                  | MD         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0  | PM         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0   | AM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | MD         0 | Trips PM 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0   | AM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | MD<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | PM           0   | Subw           AM         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0   | MD<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0          | PM<br>PM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | Wal           AM           0   | k Persor       | PM 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0   | AM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | MD         MD           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0   | son Trips           PM           0         C           0         C           0         C           0         C           0         C           0         C           0         C           0         C           0         C           0         C           0         C           0         C           0         C           0         C           0         C           0         C           0         C           0         C           0         C   |
| Map #<br>1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16   | Site Location           984 52nd St.           5814-5820 FL Hamilton Pkwy           843-945 54th St.           984 55nd St.           984 581 St.           984 591 St.           1154 59th St.           1248 59th St.           1248 59th St.           1248 59th St.           1184 59th St.           1184 59th St.           1190 44th St.           757 59th St.           716 57th St.  | Residential<br>Dwelling Units<br>(DU)<br>(CU)<br>(CU)<br>(CU)<br>(CU)<br>(CU)<br>(CU)<br>(CU)<br>(C   | Retail (Local)           s         Floor Area<br>(GSF)           b         0           c         0  | Community<br>Facility<br>Floor Area<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)<br>(GSF)  | Daycare Floor           Area (GSF)           0         0           5         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           4         0  | School           Students           (Seats)           (Control (Contro) (Contro) (Control (Control (Contro) (Contro) (Contro) (Control (   | School Staff           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0   | Weekday           School Staff           Trips           0   | AM<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%   | MD<br>0.0%<br>0.0%<br>0.0%<br>0.0%<br>0.0%<br>0.0%<br>0.0%<br>0.0  | PM<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%   | AM<br>- Total<br>- AM<br>- 0<br>- 0<br>- 0<br>- 0<br>- 0<br>- 0<br>- 0<br>- 0  | Person T           MD           0  | PM<br>PM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | AM<br>AM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0                            | MD<br>0 Person<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | PM         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0   | AM 000000000000000000000000000000000000   | MD         0           MD         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0  | PM         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0   | AM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | MD         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0 | PM           0   | Subw           AM         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0   | MD<br>MD<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0              | PM<br>PM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0                     | Wal           AM         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0   | MD             | PM<br>0 0 0<br>0 0 0 0 0<br>0 0 0 0 0<br>0 0 0 0 0 0<br>0 0 0 0 0 0<br>0 | AM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | MD         MD           0         C           0         C           0         C           0         C           0         C           0         C           0         C           0         C           0         C           0         C           0         C           0         C           0         O           0         O           0         O           0         O           0         O           0         O   | Son Trips           PM           0   |
| Map #<br>1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17                                   | Site Location           984 52nd St.           5814-5820 Ft. Hamilton Pkwy           9843-985 54m 51.           984 580 51.           984 580 51.           987 600 53.           1152 56m 51.           987 600 53.           1152 56m 51.           1152 56m 51.           1152 56m 51.           1152 56m 51.           1128 560 151.           1128 560 151.           1128 560 151.           1128 560 151.           1130 450 151.           1150 450 151.           1150 450 151.           1178 450 151.           1178 450 151.           1178 450 151.           1178 450 151.           1178 450 151.           1178 450 151.           1178 450 151.           1178 450 151.           1178 450 151.           1179 4540 51.           716 571h 51.           714 94.04h 51.           51.           51.           714 571h 51.           74 94.04h 51.  | Residential<br>Dwelling Units<br>(DU)<br>(C)<br>(C)<br>(C)<br>(C)<br>(C)<br>(C)<br>(C)<br>(C)<br>(C)<br>(C  | Retail (Local)           Retail (Local)           s         Floor Area<br>(GSF)           6         0           0         10.602           0         2.335           3         0           0         2.335           3         0           0         0.602           0         0           0         0.03           0         0 | Community<br>Facility<br>Floor Area<br>(GSF)<br>(11.69)<br>3.633<br>3.633<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1.69)<br>(1  | J         3,639           Daycare Floor         Area (GSF)           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0  | 36/           School           Students           (Seats)           C   | School Staff         (1)           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0   | Weekday           School Staff           Trips           0   | AM<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%   | MD<br>0.0%<br>0.0%<br>0.0%<br>0.0%<br>0.0%<br>0.0%<br>0.0%<br>0.0  | PM<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2. | Total           AM           0   | MD           0   | PM<br>PM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | AM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0                                  | MD         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0  | PM         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0   | AM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | MD         0           MD         0         0           0         0         0         0           0         0         0         0         0           0         0         0         0         0         0           0  | PM         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0   | AM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | MD           0   | PM           0   | Subw           AM         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0   | Any Person<br>MD<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | PM<br>PM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | Wai           AM           0   | k Persor       | PM<br>PM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | Scho           AM           0 | MD           MD           0         (           0         (           0         (           0         (           0         (           0         (           0         (           0         (           0         (           0         (           0         (           0         (           0         (           0         (           0         (           0         (           0         (           0         (   | Son Trips           PM           0         C   |
| Map #<br>1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18                             | Site Location           984 52nd St.           5814-5820 FL Hamilton Pkwy           843-945 54th St.           1128 56th St.           864 59th St.           1154 59th St.           1154 59th St.           1154 59th St.           1124 56th St.           1248 56th St.           1248 56th St.           1248 59th St.           1144 59th St.           1146 45th St.           4506 512th Ave.           1190 44th St.           757 58th St.           716 57th St.           749 49th St.           749 49th St.           5105 Fort Hamilton Pkwy (PS 160 Annex  | Residential<br>Dwelling Units<br>(DU)<br>(C)<br>(C)<br>(C)<br>(C)<br>(C)<br>(C)<br>(C)<br>(C)<br>(C)<br>(C  | Retail (Local)           Retail (Local)           s         Floor Area           (GSF)         (GSF)           5         0           0         10.602           0         0           2         0           3         0           3         0           5         0           3         0           5         0           3         0           5         0           3         0           5         0           5         0           5         0           5         0           6         0           5         0           6         0           6         0           6         0           6         0           7         0   | 19,00<br>Community<br>Facility<br>Floor Area<br>(GSF)<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500<br>11,500  | Jaycare Floor           Area (GSF)           0         0           5         0           0         0  | School           Students           (Seats)           C   | School Staff (1) (1) (0) (0) (0) (0) (0) (0) (0) (0) (0) (0  | bb           Weekday           School Staff           Trips           0           18   | AM<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%   | MD<br>0.0%<br>0.0%<br>0.0%<br>0.0%<br>0.0%<br>0.0%<br>0.0%<br>0.0  | PM<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%   | AM         0           0         0 | MD           0   | PM<br>PM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | AM<br>AM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0                            | MD         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0  | PM         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0   | AM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | xi Person<br>MD<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | PM         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0   | AM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | MD<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | PM 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0  | Subw           AM         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0   | Aay Person<br>MD<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | PM 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0                           | AM 0<br>00000000000000000000000000000000000  | MD             | PM 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0   | AM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | MD           0         C           0         C           0         C           0         C           0         C           0         C           0         C           0         C           0         C           0         C           0         C           0         C           0         C           0         O           0         O           0         O           0         O           0         O           0         O  | son Trips           PM           0         C   |
| Map #<br>1<br>2<br>3<br>4<br>5<br>6<br>7<br>7<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19             | Site Location           984 52nd St.           5814-5820 Ft. Hamilton Pkwy           983-885 64m St.           984 52m St.           984 581 54           984 585 64m St.           984 586 54m St.           984 596 54m St.           984 596 54m St.           985 60m St.           1152 56m St.           1154 59m St.           1124 56m St.           1266 69m St.           1266 69m St.           1266 69m St.           1266 69m St.           1276 54m St.           1178 456m St.           716 57h St.           724 94m St.           5105 Fort Hamilton Pkwy (PS 160 Annex           944 25ch Strue (PS 310)  | Residential           Dwelling Units           (DU)           (DU)           (C)  | It:js/r           Retail (Local)           Floor Area           (GSP)           0   | 19,000 Community Facility Floor Area (GSF) 11,050 1,00   | Jaycare Floor           Area (CSF)           0         0  | School         Subsection           Subsection         0         0           C         0         0         0           C         0         0         0         0           C         0 <td>School Staff         (1)           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0</td> <td>066           Weekday           School Staff           Trips           0</td> <td>AM<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.</td> <td>MD<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.</td> <td>PM<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.</td> <td>AM<br/>Total<br/>AM<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0</td> <td>Person T           MD           0</td> <td>PM<br/>PM<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0</td> <td>AM<br/>AM<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0</td> <td>MD<br/>0 Person<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0</td> <td>PM         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0</td> <td>AM<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0</td> <td>MD         0           MD         0           0         0</td> <td>PM         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0</td> <td>AM<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0</td> <td>MD<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0</td> <td>PM           0</td> <td>AM 0<br/>00000000000000000000000000000000000</td> <td>Any Person<br/>MD<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0</td> <td>n Trips<br/>PM<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0</td> <td>AM<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0</td> <td>k Persor<br/>MD</td> <td>PM<br/>PM<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0</td> <td>AM<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0</td> <td>MD           MD           0</td> <td>Son Trips           PM           0         C</td> | School Staff         (1)           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0   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| AM<br>Total<br>AM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | Person T           MD           0  | PM<br>PM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | AM<br>AM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0                            | MD<br>0 Person<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | PM         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0                         | AM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | MD         0           MD         0           0         0  | PM         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0   | AM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | MD<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | PM           0   | AM 0<br>00000000000000000000000000000000000   | Any Person<br>MD<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | n Trips<br>PM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0                | AM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | k Persor<br>MD | PM<br>PM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | AM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | MD           MD           0         | Son Trips           PM           0         C   |
| Map #<br>1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20                 | Site Location           984 52nd St.           5814-5820 FL Hamilton Pkwy           843-945 54th St.           1128 56th St.           864 59th St.           1154 59th St.           1154 59th St.           1154 59th St.           1154 59th St.           1128 56th St.           1286 50th  | Residential<br>Dwelling Units<br>(DU)<br>(DU)<br>(C)<br>(C)<br>(C)<br>(C)<br>(C)<br>(C)<br>(C)<br>(C)<br>(C)<br>(C  | Retail (Local)           s         Floor Area           (GSF)         0           0         10,6020           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0   | 19,000<br>Community<br>Facility<br>Floor Area<br>(GSF)<br>11,090<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,   | Daycare Floor           Area (GSP)           0         0  | School         Students           (Seats)         (Seats)           C         C           C         C           C         C           C         C           C         C           C         C           C         C           C         C           C         C           C         C           C         C           C         C           C         C           C         C           C         C           C         C           C         C   | School Staff (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)   | 065           Weekday           School Staff           Trips           0           188           48           0  | AM<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5. | MD<br>0.0%6<br>0.0%6<br>0.0%6<br>0.0%6<br>0.0%6<br>0.0%6<br>0.0%6<br>0.0%6<br>0.0%6<br>0.0%6<br>0.0%6<br>0.0%6<br>0.0%6<br>0.0%6<br>0.0%6<br>0.0%6<br>0.0%6<br>0.0%6<br>0.0%6<br>0.0%6   | PM<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2. | J           Total           AM           0   | MD         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0 | PM 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0  | AM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0                                  | MD         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0  | PM         PM           PM         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0 | AM 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0                               | MD         MD           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0  | PM         0           PM         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0  | AM<br>AM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0                         | MD<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | PM         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0 | Subw           AM         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0 | MD<br>MD<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0              | n Trips<br>PM 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0                              | Wat           AM         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0 | MD             | PM P   | AM AM AM A A A A A A A A A A A A A A A  | MD         MD           0 | son Trips           PM           0         C   |
| Map #<br>1<br>2<br>3<br>4<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21      | Site Location           984 52nd St.           985 760n St.           986 52nd St.           986 52nd St.           986 52nd St.           984 52nd St.           986 52nd St.<  | Residential           Dwelling Units           (DU)           (DU)           (DU)           (C)           ( | Retail (Local)           Floor Area           (GSP)           0           10.062           0  | 19,900<br>Community<br>Facility<br>Floor Area<br>(GSF)<br>11,69<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,5   | Daycare Floor           Area (GSP)           0      0 | School         Sudonts           Sudonts         (Seats)           (Seats)         (Control (Contro) (Contro) (Control (Control (Contro) (Control (Contro) (Contro  | School Staff         (1)           (1)         0           0         0     | 666         676           Weekday         School Staft           Trips         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0   | AM<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%   | MD<br>0.0%<br>0.0%<br>0.0%<br>0.0%<br>0.0%<br>0.0%<br>0.0%<br>0.0  | PM<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%   | O           Total           AM           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           1           2           0           0   | Person T           MD           0  | PM           0   | AM<br>AM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0                            | MD         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0  | PM         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0   | AM 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0                               | MD         0 | PM         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0 | AM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | MD<br>MD<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | PM         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0 | Subw           AM           0   | And Person<br>MD<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | PM 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0                           | Wat           AM           0                                       | k Persor<br>MD | PM<br>PM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | AM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | MD         MD           0         C           0         C           0         C           0         C           0         C           0         C           0         C           0         C           0         C           0         C           0         C           0         C           0         C           0         O           0         O           0         O           0         O           0         O           0         O           0         O           0         O           0         O           0         O   | son Trips           PM           0         C |
| Map #<br>1<br>2<br>3<br>4<br>5<br>6<br>6<br>7<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21 | Site Location           984 52nd St.           5814-5820 Ft. Hamilton Pkwy           843-845 54th St.           843-845 54th St.           857 60th St.           857 60th St.           1128 56th St.           857 60th St.           1124 56th St.           1152 1154 59th St.           1124 56th St.           1124 56th St.           1124 56th St.           1128 56th St.           1124 56th St.           1128 56th St.           118 55th St. </td <td>Residential<br/>Dwelling Unity         (DU)           (DU)         (DU)           (DU)         (DU)           (DU)         (DU)           (1)         2           2         2           3         2           4         2           5         2           4         2           5         2           6         1           6         0           6         0           6         1</td> <td>Retail (Local)           s         Floor Area           (GSF)         0           0         10,6020           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0</td> <td>19,000<br/>Community<br/>Facility<br/>Floor Area<br/>(GSF)<br/>11,090<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,500<br/>1,</td> <td>Daycare Floor           Area (GSP)           0</td> <td>School         Students           (Seats)         (Construction)           C         C</td> <td>School Staff (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)</td> <td>065           Weekday           School Staff           Trips           0</td> <td>AM<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%<br/>5.0%</td> <td>MD<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0%<br/>0.0</td> <td>PM<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%<br/>2.5%</td> <td>U<br/>Total<br/>AM<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0</td> <td>Person T           MD           0</td> <td>PM         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0</td> <td>Auto<br/>Auto<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0</td> <td>MD<br/>0 Person<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0</td> <td>PM           PM           0</td> <td>AM 0<br/>0 0<br/>0 0<br/>0 0<br/>0 0<br/>0 0<br/>0 0<br/>0 0<br/>0 0<br/>0 0</td> <td>MD         0</td> <td>PM         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0</td> <td>AM<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0</td> <td>MD           0</td> <td>PM         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0</td> <td>Subw           AM           0</td> <td>MD<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0</td> <td>n Trips<br/>PM 0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0</td> <td>Wat           AM         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0</td> <td>MD</td> <td>PM<br/>PM<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0</td> <td>Scho<br/>AM<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0</td> <td>MD           0         6           0         6           0         6           0         6           0         6           0         6           0         6           0         6           0         6           0         6           0         6           0         6           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0</td> <td>Son Trips           PM           0         C</td> | Residential<br>Dwelling Unity         (DU)           (DU)         (DU)           (DU)         (DU)           (DU)         (DU)           (1)         2           2         2           3         2           4         2           5         2           4         2           5         2           6         1           6         0           6         0           6         1  | Retail (Local)           s         Floor Area           (GSF)         0           0         10,6020           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0   | 19,000<br>Community<br>Facility<br>Floor Area<br>(GSF)<br>11,090<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,500<br>1,   | Daycare Floor           Area (GSP)           0                                | School         Students           (Seats)         (Construction)           C         C  | School Staff (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)   | 065           Weekday           School Staff           Trips           0   | AM<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%<br>5.0%   | MD<br>0.0%<br>0.0%<br>0.0%<br>0.0%<br>0.0%<br>0.0%<br>0.0%<br>0.0  | PM<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%<br>2.5%   | U<br>Total<br>AM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | Person T           MD           0  | PM         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0 | Auto<br>Auto<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0                        | MD<br>0 Person<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | PM           PM           0  | AM 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0<br>0 0                               | MD         0 | PM         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0   | AM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | MD           0               | PM         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0   | Subw           AM           0 | MD<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0          | n Trips<br>PM 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0              | Wat           AM         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0 | MD             | PM<br>PM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | Scho<br>AM<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | MD           0         6           0         6           0         6           0         6           0         6           0         6           0         6           0         6           0         6           0         6           0         6           0         6           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0  | Son Trips           PM           0         C   |

Assumes a student to staff/faculty ratio, based upon the ratio presented for a proposed school within Table 13-4 of the 2013 Hudson Square Rezoning FEIS. 444 students / 40 staff/faculty = 11.1 students per staff/faculty

12.937

100

3,639

367

33

66

20,426

Total (No Action Projects)

0

0 0

0

0

0

Attachment C 2011 AM/MD/PM Peak Hour Traffic Networks (with Cordon-Line)



## 2011 AM Existing Condition Traffic Volumes (Cordon-Line)

NOTE: TO BE CONSERVATIVE, SOME TURNING MOVEMENTS ALONG THE CORDON-LINE WERE NOT INCLUDED (e.g., EB THRU/RIGHT TURN AT FORT HAMILTON PKWY.



## 2011 MD Existing Condition Traffic Volumes (Cordon-Line)

NOTE: TO BE CONSERVATIVE, SOME TURNING MOVEMENTS ALONG THE CORDON-LINE WERE NOT INCLUDED (e.g., EB THRU/RIGHT TURN AT FORT HAMILTON PKWY.



## 2011 PM Existing Condition Traffic Volumes (Cordon-Line)

NOTE: TO BE CONSERVATIVE, SOME TURNING MOVEMENTS ALONG THE CORDON-LINE WERE NOT INCLUDED (e.g., EB THRU/RIGHT TURN AT FORT HAMILTON PKWY.