

# **Summary Tables of Findings**

**Table 1. SIGNIFICANT JOLTS ENCOUNTERED (Community District Distribution)**

| <b>Community District</b> | <b>Neighborhoods</b>                                    | <b>Jolts Encountered Per Mile</b> |
|---------------------------|---|-----------------------------------|
| Bronx 1                   | Mott Haven, Melrose, Port Morris                        | 11.56                             |
| Bronx 2                   | Hunts Point, Morrisania, Longwood                       | 10.05                             |
| Bronx 3                   | Claremont Village, Crotona Park, Woodstock              | 7.18                              |
| Bronx 4                   | Concourse, Mount Eden, High Bridge                      | 9.56                              |
| Bronx 5                   | Morris Heights, Fordham, Bathgate, University Heights   | 11.50                             |
| Bronx 6                   | East Tremont, Belmont, West Farms, Bathgate             | 9.37                              |
| Bronx 7                   | Bedford Park, Norwood, University Heights               | 8.43                              |
| Bronx 8                   | Riverdale, Kingsbridge, Fieldston, Marble Hill          | 7.89                              |
| Bronx 9                   | Soundview, Parkchester, Castle Hill, Clason Point       | 7.63                              |
| Bronx 10                  | Throgs Neck, Pelham Bay, Westchester Square             | 5.04                              |
| Bronx 11                  | Morris Park, Pelham Parkway, Bronxdale, Laconia         | 6.40                              |
| Bronx 12                  | Williamsbridge, Woodlawn, Wakefield, Edenwald           | 11.60                             |
| Brooklyn 1                | Greenpoint, Williamsburg, Northside, Southside          | 11.95                             |
| Brooklyn 2                | Brooklyn Heights, Fort Greene, Boerum Hill              | 10.73                             |
| Brooklyn 3                | Bedford Stuyvesant, Ocean Hill, Stuyvesant Heights      | 13.16                             |
| Brooklyn 4                | Bushwick, Ridgewood                                     | 6.67                              |
| Brooklyn 5                | East New York, New Lots, Highland Park                  | 7.78                              |
| Brooklyn 6                | Red Hook, Park Slope, Carroll Gardens, Cobble Hill      | 10.26                             |
| Brooklyn 7                | Sunset Park, Windsor Terrace, Bush Terminal             | 12.03                             |
| Brooklyn 8                | Crown Heights, Prospect Heights, Weeksville             | 7.26                              |
| Brooklyn 9                | Prospect Lefferts Gardens, Wingate, Crown Heights       | 9.78                              |
| Brooklyn 10               | Bay Ridge, Fort Hamilton, Dyker Heights                 | 7.22                              |
| Brooklyn 11               | Bensonhurst, Bath Beach, Gravesend                      | 4.03                              |
| Brooklyn 12               | Borough Park, Ocean Parkway, Kensington                 | 7.70                              |
| Brooklyn 13               | Coney Island, Brighton Beach, Sea Gate, Gravesend       | 7.22                              |
| Brooklyn 14               | Flatbush, Midwood, Ditmas Park, Ocean Parkway           | 4.50                              |
| Brooklyn 15               | Sheepshead Bay, Gravesend, Manhattan Beach              | 5.57                              |
| Brooklyn 16               | Brownsville, Ocean Hill, Broadway Junction              | 7.98                              |
| Brooklyn 17               | East Flatbush, Rugby, Remsen Village, Farragut          | 8.58                              |
| Brooklyn 18               | Canarsie, Mill Basin, Marine Park, Flatlands            | 7.37                              |
| Manhattan 1               | Financial District, Tribeca, Battery Park City, Seaport | 32.27                             |
| Manhattan 2               | Soho, Greenwich Village, Chinatown, Little Italy, Noho  | 20.84                             |
| Manhattan 3               | East Village, Lower East Side, Tompkins Square          | 15.61                             |
| Manhattan 4               | Chelsea, Clinton  | 11.86                             |
| Manhattan 5               | Flatiron, Midtown                                       | 17.53                             |
| Manhattan 6               | Gramercy, Murray Hill, Turtle Bay, Tudor City           | 14.70                             |
| Manhattan 7               | Lincoln Square, Upper West Side, Manhattan Valley       | 9.01                              |
| Manhattan 8               | Upper East Side, Yorkville, Carnegie Hill, Lenox Hill   | 12.63                             |
| Manhattan 9               | Morningside Heights, Hamilton Heights, Manhattanville   | 8.87                              |
| Manhattan 10              | Central Harlem, Polo Grounds                            | 8.26                              |
| Manhattan 11              | East Harlem   | 13.84                             |
| Manhattan 12              | Washington Heights, Inwood                              | 11.57                             |
| Queens 1                  | Astoria, Steinway, Long Island City, Queensbridge       | 6.51                              |
| Queens 2                  | Sunnyside, Woodside, Hunters Point, Long Island City    | 8.55                              |
| Queens 3                  | East Elmhurst, Jackson Heights, North Corona            | 6.63                              |
| Queens 4                  | Elmhurst, South Corona, Lefrak City                     | 7.29                              |
| Queens 5                  | Maspeth, Glendale, Middle Village, Ridgewood            | 4.57                              |
| Queens 6                  | Forest Hills, Rego Park, Forest Hills Gardens           | 6.05                              |
| Queens 7                  | Whitestone, Flushing, College Point, Auburndale         | 14.60                             |
| Queens 8                  | Fresh Meadows, Briarwood, Jamaica Estates, Utopia       | 13.02                             |
| Queens 9                  | Kew Gardens, Woodhaven, Richmond Hill, Ozone Park       | 5.32                              |
| Queens 10                 | Ozone Park, Howard Beach, South Ozone Park              | 11.15                             |
| Queens 11                 | Bayside, Douglaston, Little Neck, Oakland Gardens       | 17.59                             |
| Queens 12                 | Jamaica, St. Albans, Hollis, Springfield Gardens        | 8.69                              |
| Queens 13                 | Laurelton, Queens Village, Cambria Heights              | 8.29                              |
| Queens 14                 | Far Rockaway, Breezy Point, Rockaway Park, Seaside      | 7.51                              |
| Staten Island 1           | St. George, Port Richmond, Stapleton, Shore Acres       | 9.71                              |
| Staten Island 2           | Todt Hill, South Beach, Travis, Old Town, Grasmere      | 5.49                              |
| Staten Island 3           | Great Kills, Tottenville, Annadale, Prince's Bay        | 6.86                              |

**Table 2. SIGNIFICANT JOLTS ENCOUNTERED (Community District Ranking)**

| Rank | Community District | Neighborhoods   | Jolts Encountered Per Mile |
|------|--------------------|---|----------------------------|
| 1    | Brooklyn 11        | Bensonhurst, Bath Beach, Gravesend                      | 4.03                       |
| 2    | Brooklyn 14        | Flatbush, Midwood, Ditmas Park, Ocean Parkway           | 4.50                       |
| 3    | Queens 5           | Maspeth, Glendale, Middle Village, Ridgewood            | 4.57                       |
| 4    | Bronx 10           | Throgs Neck, Pelham Bay, Westchester Square             | 5.04                       |
| 5    | Queens 9           | Kew Gardens, Woodhaven, Richmond Hill, Ozone Park       | 5.32                       |
| 6    | Staten Island 2    | Todt Hill, South Beach, Travis, Old Town, Grasmere      | 5.49                       |
| 7    | Brooklyn 15        | Sheepshead Bay, Gravesend, Manhattan Beach              | 5.57                       |
| 8    | Queens 6           | Forest Hills, Rego Park, Forest Hills Gardens           | 6.05                       |
| 9    | Bronx 11           | Morris Park, Pelham Parkway, Bronxdale, Laconia         | 6.40                       |
| 10   | Queens 1           | Astoria, Steinway, Long Island City, Queensbridge       | 6.51                       |
| 11   | Queens 3           | East Elmhurst, Jackson Heights, North Corona            | 6.63                       |
| 12   | Brooklyn 4         | Bushwick, Ridgewood                                     | 6.67                       |
| 13   | Staten Island 3    | Great Kills, Tottenville, Annadale, Prince's Bay        | 6.86                       |
| 14   | Bronx 3            | Claremont Village, Crotona Park, Woodstock              | 7.18                       |
| 15   | Brooklyn 13        | Coney Island, Brighton Beach, Sea Gate, Gravesend       | 7.22                       |
| 16   | Brooklyn 10        | Bay Ridge, Fort Hamilton, Dyker Heights                 | 7.22                       |
| 17   | Brooklyn 8         | Crown Heights, Prospect Heights, Weeksville             | 7.26                       |
| 18   | Queens 4           | Elmhurst, South Corona, Lefrak City                     | 7.29                       |
| 19   | Brooklyn 18        | Canarsie, Mill Basin, Marine Park, Flatlands            | 7.37                       |
| 20   | Queens 14          | Far Rockaway, Breezy Point, Rockaway Park, Seaside      | 7.51                       |
| 21   | Bronx 9            | Soundview, Parkchester, Castle Hill, Clason Point       | 7.63                       |
| 22   | Brooklyn 12        | Borough Park, Ocean Parkway, Kensington                 | 7.70                       |
| 23   | Brooklyn 5         | East New York, New Lots, Highland Park                  | 7.78                       |
| 24   | Bronx 8            | Riverdale, Kingsbridge, Fieldston, Marble Hill          | 7.89                       |
| 25   | Brooklyn 16        | Brownsville, Ocean Hill, Broadway Junction              | 7.98                       |
| 26   | Manhattan 10       | Central Harlem, Polo Grounds                            | 8.26                       |
| 27   | Queens 13          | Laurelton, Queens Village, Cambria Heights              | 8.29                       |
| 28   | Bronx 7            | Bedford Park, Norwood, University Heights               | 8.43                       |
| 29   | Queens 2           | Sunnyside, Woodside, Hunters Point, Long Island City    | 8.55                       |
| 30   | Brooklyn 17        | East Flatbush, Rugby, Remsen Village, Farragut          | 8.58                       |
| 31   | Queens 12          | Jamaica, St. Albans, Hollis, Springfield Gardens        | 8.69                       |
| 32   | Manhattan 9        | Morningside Heights, Hamilton Heights, Manhattanville   | 8.87                       |
| 33   | Manhattan 7        | Lincoln Square, Upper West Side, Manhattan Valley       | 9.01                       |
| 34   | Bronx 6            | East Tremont, Belmont, West Farms, Bathgate             | 9.37                       |
| 35   | Bronx 4            | Concourse, Mount Eden, High Bridge                      | 9.56                       |
| 36   | Staten Island 1    | St. George, Port Richmond, Stapleton, Shore Acres       | 9.71                       |
| 37   | Brooklyn 9         | Prospect Lefferts Gardens, Wingate, Crown Heights       | 9.78                       |
| 38   | Bronx 2            | Hunts Point, Morrisania, Longwood                       | 10.05                      |
| 39   | Brooklyn 6         | Red Hook, Park Slope, Carroll Gardens, Cobble Hill      | 10.26                      |
| 40   | Brooklyn 2         | Brooklyn Heights, Fort Greene, Boerum Hill              | 10.73                      |
| 41   | Queens 10          | Ozone Park, Howard Beach, South Ozone Park              | 11.15                      |
| 42   | Bronx 5            | Morris Heights, Fordham, Bathgate, University Heights   | 11.50                      |
| 43   | Bronx 1            | Mott Haven, Melrose, Port Morris                        | 11.56                      |
| 44   | Manhattan 12       | Washington Heights, Inwood                              | 11.57                      |
| 45   | Bronx 12           | Williamsbridge, Woodlawn, Wakefield, Edenwald           | 11.60                      |
| 46   | Manhattan 4        | Chelsea, Clinton  | 11.86                      |
| 47   | Brooklyn 1         | Greenpoint, Williamsburg, Northside, Southside          | 11.95                      |
| 48   | Brooklyn 7         | Sunset Park, Windsor Terrace, Bush Terminal             | 12.03                      |
| 49   | Manhattan 8        | Upper East Side, Yorkville, Carnegie Hill, Lenox Hill   | 12.63                      |
| 50   | Queens 8           | Fresh Meadows, Briarwood, Jamaica Estates, Utopia       | 13.02                      |
| 51   | Brooklyn 3         | Bedford Stuyvesant, Ocean Hill, Stuyvesant Heights      | 13.16                      |
| 52   | Manhattan 11       | East Harlem   | 13.84                      |
| 53   | Queens 7           | Whitestone, Flushing, College Point, Auburndale         | 14.60                      |
| 54   | Manhattan 6        | Gramercy, Murray Hill, Turtle Bay, Tudor City           | 14.70                      |
| 55   | Manhattan 3        | East Village, Lower East Side, Tompkins Square          | 15.61                      |
| 56   | Manhattan 5        | Flatiron, Midtown                                       | 17.53                      |
| 57   | Queens 11          | Bayside, Douglaston, Little Neck, Oakland Gardens       | 17.59                      |
| 58   | Manhattan 2        | Soho, Greenwich Village, Chinatown, Little Italy, Noho  | 20.84                      |
| 59   | Manhattan 1        | Financial District, Tribeca, Battery Park City, Seaport | 32.27                      |

**Table 3. SMOOTHNESS SCORE: PERCENTAGE OF BLOCKS IN THE FOUR SMOOTHNESS CATEGORIES**

| <b>Community District</b> | <b>Neighborhoods</b>                                    | <b>Good*</b> | <b>Fair*</b> | <b>Poor</b> | <b>Terrible</b> |
|---------------------------|---|--------------|--------------|-------------|-----------------|
| Bronx 1                   | Mott Haven, Melrose, Port Morris                        | 14.62%       | 38.37%       | 43.77%      | 3.24%           |
| Bronx 2                   | Hunts Point, Morrisania, Longwood                       | 9.19%        | 50.13%       | 34.17%      | 6.51%           |
| Bronx 3                   | Claremont Village, Crotona Park, Woodstock              | 8.71%        | 45.75%       | 43.17%      | 2.37%           |
| Bronx 4                   | Concourse, Mount Eden, High Bridge                      | 2.91%        | 51.97%       | 38.40%      | 6.72%           |
| Bronx 5                   | Morris Heights, Fordham, Bathgate, University Heights   | 3.78%        | 52.96%       | 36.67%      | 6.60%           |
| Bronx 6                   | East Tremont, Belmont, West Farms, Bathgate             | 15.97%       | 34.91%       | 45.71%      | 3.41%           |
| Bronx 7                   | Bedford Park, Norwood, University Heights               | 5.06%        | 54.06%       | 39.44%      | 1.44%           |
| Bronx 8                   | Riverdale, Kingsbridge, Fieldston, Marble Hill          | 14.01%       | 45.33%       | 38.24%      | 2.43%           |
| Bronx 9                   | Soundview, Parkchester, Castle Hill, Clason Point       | 3.64%        | 56.17%       | 38.15%      | 2.05%           |
| Bronx 10                  | Throgs Neck, Pelham Bay, Westchester Square             | 12.20%       | 54.12%       | 30.36%      | 3.32%           |
| Bronx 11                  | Morris Park, Pelham Parkway, Bronxdale, Laconia         | 3.11%        | 64.21%       | 31.88%      | 0.80%           |
| Bronx 12                  | Williamsbridge, Woodlawn, Wakefield, Edenwald           | 9.08%        | 48.79%       | 28.12%      | 14.01%          |
| Brooklyn 1                | Greenpoint, Williamsburg, Northside, Southside          | 1.64%        | 45.13%       | 48.54%      | 4.70%           |
| Brooklyn 2                | Brooklyn Heights, Fort Greene, Boerum Hill              | 1.26%        | 68.43%       | 28.43%      | 1.88%           |
| Brooklyn 3                | Bedford Stuyvesant, Ocean Hill, Stuyvesant Heights      | 0.73%        | 72.15%       | 26.29%      | 0.83%           |
| Brooklyn 4                | Bushwick, Ridgewood                                     | 1.78%        | 58.70%       | 39.01%      | 0.51%           |
| Brooklyn 5                | East New York, New Lots, Highland Park                  | 7.04%        | 51.31%       | 39.22%      | 2.43%           |
| Brooklyn 6                | Red Hook, Park Slope, Carroll Gardens, Cobble Hill      | 3.59%        | 52.49%       | 42.26%      | 1.66%           |
| Brooklyn 7                | Sunset Park, Windsor Terrace, Bush Terminal             | 4.18%        | 50.26%       | 44.64%      | 0.92%           |
| Brooklyn 8                | Crown Heights, Prospect Heights, Weeksville             | 5.40%        | 53.53%       | 38.77%      | 2.30%           |
| Brooklyn 9                | Prospect Lefferts Gardens, Wingate, Crown Heights       | 4.04%        | 54.62%       | 40.08%      | 1.26%           |
| Brooklyn 10               | Bay Ridge, Fort Hamilton, Dyker Heights                 | 8.37%        | 52.50%       | 37.45%      | 1.68%           |
| Brooklyn 11               | Bensonhurst, Bath Beach, Gravesend                      | 3.70%        | 60.99%       | 35.31%      | 0.00%           |
| Brooklyn 12               | Borough Park, Ocean Parkway, Kensington                 | 17.14%       | 46.89%       | 34.65%      | 1.32%           |
| Brooklyn 13               | Coney Island, Brighton Beach, Sea Gate, Gravesend       | 8.62%        | 58.06%       | 32.79%      | 0.53%           |
| Brooklyn 14               | Flatbush, Midwood, Ditmas Park, Ocean Parkway           | 4.47%        | 68.37%       | 26.83%      | 0.32%           |
| Brooklyn 15               | Sheepshead Bay, Gravesend, Manhattan Beach              | 4.71%        | 61.63%       | 32.30%      | 1.36%           |
| Brooklyn 16               | Brownsville, Ocean Hill, Broadway Junction              | 5.25%        | 53.39%       | 40.68%      | 0.68%           |
| Brooklyn 17               | East Flatbush, Rugby, Remsen Village, Farragut          | 5.27%        | 66.79%       | 26.84%      | 1.10%           |
| Brooklyn 18               | Canarsie, Mill Basin, Marine Park, Flatlands            | 8.50%        | 75.45%       | 15.76%      | 0.28%           |
| Manhattan 1               | Financial District, Tribeca, Battery Park City, Seaport | 2.33%        | 21.83%       | 50.89%      | 24.95%          |
| Manhattan 2               | Soho, Greenwich Village, Chinatown, Little Italy, Noho  | 3.97%        | 38.62%       | 45.59%      | 11.81%          |
| Manhattan 3               | East Village, Lower East Side, Tompkins Square          | 6.78%        | 49.81%       | 38.16%      | 5.25%           |
| Manhattan 4               | Chelsea, Clinton  | 3.33%        | 55.90%       | 38.60%      | 2.17%           |
| Manhattan 5               | Flatiron, Midtown                                       | 4.37%        | 31.61%       | 57.16%      | 6.86%           |
| Manhattan 6               | Gramercy, Murray Hill, Turtle Bay, Tudor City           | 5.00%        | 36.97%       | 58.03%      | 0.00%           |
| Manhattan 7               | Lincoln Square, Upper West Side, Manhattan Valley       | 10.71%       | 33.59%       | 54.86%      | 0.84%           |
| Manhattan 8               | Upper East Side, Yorkville, Carnegie Hill, Lenox Hill   | 6.36%        | 32.63%       | 58.38%      | 2.63%           |
| Manhattan 9               | Morningside Heights, Hamilton Heights, Manhattanville   | 22.17%       | 32.33%       | 43.35%      | 2.15%           |
| Manhattan 10              | Central Harlem, Polo Grounds                            | 21.25%       | 35.55%       | 40.01%      | 3.18%           |
| Manhattan 11              | East Harlem   | 3.84%        | 30.73%       | 64.51%      | 0.93%           |
| Manhattan 12              | Washington Heights, Inwood                              | 4.83%        | 38.15%       | 53.86%      | 3.16%           |
| Queens 1                  | Astoria, Steinway, Long Island City, Queensbridge       | 7.65%        | 58.14%       | 33.74%      | 0.47%           |
| Queens 2                  | Sunnyside, Woodside, Hunters Point, Long Island City    | 18.55%       | 44.64%       | 33.95%      | 2.86%           |
| Queens 3                  | East Elmhurst, Jackson Heights, North Corona            | 9.37%        | 58.58%       | 30.90%      | 1.14%           |
| Queens 4                  | Elmhurst, South Corona, Lefrak City                     | 6.19%        | 62.87%       | 30.44%      | 0.51%           |
| Queens 5                  | Maspeth, Glendale, Middle Village, Ridgewood            | 7.75%        | 55.46%       | 36.65%      | 0.14%           |
| Queens 6                  | Forest Hills, Rego Park, Forest Hills Gardens           | 11.49%       | 49.58%       | 38.39%      | 0.54%           |
| Queens 7                  | Whitestone, Flushing, College Point, Auburndale         | 12.50%       | 56.37%       | 30.54%      | 0.58%           |
| Queens 8                  | Fresh Meadows, Briarwood, Jamaica Estates, Utopia       | 16.32%       | 44.79%       | 35.86%      | 3.02%           |
| Queens 9                  | Kew Gardens, Woodhaven, Richmond Hill, Ozone Park       | 4.67%        | 56.99%       | 36.90%      | 1.44%           |
| Queens 10                 | Ozone Park, Howard Beach, South Ozone Park              | 13.73%       | 64.31%       | 21.15%      | 0.82%           |
| Queens 11                 | Bayside, Douglaston, Little Neck, Oakland Gardens       | 10.25%       | 49.19%       | 39.90%      | 0.66%           |
| Queens 12                 | Jamaica, St. Albans, Hollis, Springfield Gardens        | 7.74%        | 55.55%       | 33.81%      | 2.91%           |
| Queens 13                 | Laurelton, Queens Village, Cambria Heights              | 8.90%        | 51.54%       | 37.02%      | 2.54%           |
| Queens 14                 | Far Rockaway, Breezy Point, Rockaway Park, Seaside      | 10.42%       | 44.76%       | 40.26%      | 4.57%           |
| Staten Island 1           | St. George, Port Richmond, Stapleton, Shore Acres       | 8.11%        | 50.96%       | 39.40%      | 1.54%           |
| Staten Island 2           | Todt Hill, South Beach, Travis, Old Town, Grasmere      | 13.60%       | 38.45%       | 45.27%      | 2.68%           |
| Staten Island 3           | Great Kills, Tottenville, Annadale, Prince's Bay        | 4.17%        | 52.38%       | 41.34%      | 2.10%           |

\*Blocks Rated Acceptable include those in the "Good" and "Fair" categories.

**Table 4. SMOOTHNESS SCORE: PERCENT OF BLOCKS RATED ACCEPTABLE (Community District Distribution)**

| <b>Community District</b> | <b>Neighborhoods</b>                                    | <b>% of Blocks Rated Acceptable*</b> |
|---------------------------|---|--------------------------------------|
| Bronx 1                   | Mott Haven, Melrose, Port Morris                        | 52.99%                               |
| Bronx 2                   | Hunts Point, Morrisania, Longwood                       | 59.32%                               |
| Bronx 3                   | Claremont Village, Crotona Park, Woodstock              | 54.46%                               |
| Bronx 4                   | Concourse, Mount Eden, High Bridge                      | 54.88%                               |
| Bronx 5                   | Morris Heights, Fordham, Bathgate, University Heights   | 56.74%                               |
| Bronx 6                   | East Tremont, Belmont, West Farms, Bathgate             | 50.88%                               |
| Bronx 7                   | Bedford Park, Norwood, University Heights               | 59.12%                               |
| Bronx 8                   | Riverdale, Kingsbridge, Fieldston, Marble Hill          | 59.34%                               |
| Bronx 9                   | Soundview, Parkchester, Castle Hill, Clason Point       | 59.81%                               |
| Bronx 10                  | Throgs Neck, Pelham Bay, Westchester Square             | 66.32%                               |
| Bronx 11                  | Morris Park, Pelham Parkway, Bronxdale, Laconia         | 67.32%                               |
| Bronx 12                  | Williamsbridge, Woodlawn, Wakefield, Edenwald           | 57.87%                               |
| Brooklyn 1                | Greenpoint, Williamsburg, Northside, Southside          | 46.77%                               |
| Brooklyn 2                | Brooklyn Heights, Fort Greene, Boerum Hill              | 69.69%                               |
| Brooklyn 3                | Bedford Stuyvesant, Ocean Hill, Stuyvesant Heights      | 72.88%                               |
| Brooklyn 4                | Bushwick, Ridgewood                                     | 60.48%                               |
| Brooklyn 5                | East New York, New Lots, Highland Park                  | 58.35%                               |
| Brooklyn 6                | Red Hook, Park Slope, Carroll Gardens, Cobble Hill      | 56.08%                               |
| Brooklyn 7                | Sunset Park, Windsor Terrace, Bush Terminal             | 54.44%                               |
| Brooklyn 8                | Crown Heights, Prospect Heights, Weeksville             | 58.93%                               |
| Brooklyn 9                | Prospect Lefferts Gardens, Wingate, Crown Heights       | 58.66%                               |
| Brooklyn 10               | Bay Ridge, Fort Hamilton, Dyker Heights                 | 60.87%                               |
| Brooklyn 11               | Bensonhurst, Bath Beach, Gravesend                      | 64.69%                               |
| Brooklyn 12               | Borough Park, Ocean Parkway, Kensington                 | 64.03%                               |
| Brooklyn 13               | Coney Island, Brighton Beach, Sea Gate, Gravesend       | 66.68%                               |
| Brooklyn 14               | Flatbush, Midwood, Ditmas Park, Ocean Parkway           | 72.84%                               |
| Brooklyn 15               | Sheepshead Bay, Gravesend, Manhattan Beach              | 66.34%                               |
| Brooklyn 16               | Brownsville, Ocean Hill, Broadway Junction              | 58.64%                               |
| Brooklyn 17               | East Flatbush, Rugby, Remsen Village, Farragut          | 72.06%                               |
| Brooklyn 18               | Canarsie, Mill Basin, Marine Park, Flatlands            | 83.95%                               |
| Manhattan 1               | Financial District, Tribeca, Battery Park City, Seaport | 24.16%                               |
| Manhattan 2               | Soho, Greenwich Village, Chinatown, Little Italy, Noho  | 42.59%                               |
| Manhattan 3               | East Village, Lower East Side, Tompkins Square          | 56.59%                               |
| Manhattan 4               | Chelsea, Clinton  | 59.23%                               |
| Manhattan 5               | Flatiron, Midtown                                       | 35.98%                               |
| Manhattan 6               | Gramercy, Murray Hill, Turtle Bay, Tudor City           | 41.97%                               |
| Manhattan 7               | Lincoln Square, Upper West Side, Manhattan Valley       | 44.30%                               |
| Manhattan 8               | Upper East Side, Yorkville, Carnegie Hill, Lenox Hill   | 38.99%                               |
| Manhattan 9               | Morningside Heights, Hamilton Heights, Manhattanville   | 54.50%                               |
| Manhattan 10              | Central Harlem, Polo Grounds                            | 56.80%                               |
| Manhattan 11              | East Harlem   | 34.57%                               |
| Manhattan 12              | Washington Heights, Inwood                              | 42.98%                               |
| Queens 1                  | Astoria, Steinway, Long Island City, Queensbridge       | 65.79%                               |
| Queens 2                  | Sunnyside, Woodside, Hunters Point, Long Island City    | 63.19%                               |
| Queens 3                  | East Elmhurst, Jackson Heights, North Corona            | 67.95%                               |
| Queens 4                  | Elmhurst, South Corona, Lefrak City                     | 69.06%                               |
| Queens 5                  | Maspeth, Glendale, Middle Village, Ridgewood            | 63.21%                               |
| Queens 6                  | Forest Hills, Rego Park, Forest Hills Gardens           | 61.07%                               |
| Queens 7                  | Whitestone, Flushing, College Point, Auburndale         | 68.87%                               |
| Queens 8                  | Fresh Meadows, Briarwood, Jamaica Estates, Utopia       | 61.11%                               |
| Queens 9                  | Kew Gardens, Woodhaven, Richmond Hill, Ozone Park       | 61.66%                               |
| Queens 10                 | Ozone Park, Howard Beach, South Ozone Park              | 78.04%                               |
| Queens 11                 | Bayside, Douglaston, Little Neck, Oakland Gardens       | 59.44%                               |
| Queens 12                 | Jamaica, St. Albans, Hollis, Springfield Gardens        | 63.29%                               |
| Queens 13                 | Laurelton, Queens Village, Cambria Heights              | 60.44%                               |
| Queens 14                 | Far Rockaway, Breezy Point, Rockaway Park, Seaside      | 55.18%                               |
| Staten Island 1           | St. George, Port Richmond, Stapleton, Shore Acres       | 59.07%                               |
| Staten Island 2           | Todt Hill, South Beach, Travis, Old Town, Grasmere      | 52.05%                               |
| Staten Island 3           | Great Kills, Tottenville, Annadale, Prince's Bay        | 56.55%                               |

\*Blocks Rated Acceptable include those in the "Good" and "Fair" categories.

**Table 5. SMOOTHNESS SCORE: PERCENT OF BLOCKS RATED ACCEPTABLE (Community District Ranking)**

| Rank | Community District | Neighborhoods   | % of Blocks Rated Acceptable* |
|------|--------------------|---|-------------------------------|
| 1    | Brooklyn 18        | Canarsie, Mill Basin, Marine Park, Flatlands            | 83.95%                        |
| 2    | Queens 10          | Ozone Park, Howard Beach, South Ozone Park              | 78.04%                        |
| 3    | Brooklyn 3         | Bedford Stuyvesant, Ocean Hill, Stuyvesant Heights      | 72.88%                        |
| 4    | Brooklyn 14        | Flatbush, Midwood, Ditmas Park, Ocean Parkway           | 72.84%                        |
| 5    | Brooklyn 17        | East Flatbush, Rugby, Remsen Village, Farragut          | 72.06%                        |
| 6    | Brooklyn 2         | Brooklyn Heights, Fort Greene, Boerum Hill              | 69.69%                        |
| 7    | Queens 4           | Elmhurst, South Corona, Lefrak City                     | 69.06%                        |
| 8    | Queens 7           | Whitestone, Flushing, College Point, Auburndale         | 68.87%                        |
| 9    | Queens 3           | East Elmhurst, Jackson Heights, North Corona            | 67.95%                        |
| 10   | Bronx 11           | Morris Park, Pelham Parkway, Bronxdale, Laconia         | 67.32%                        |
| 11   | Brooklyn 13        | Coney Island, Brighton Beach, Sea Gate, Gravesend       | 66.68%                        |
| 12   | Brooklyn 15        | Sheepshead Bay, Gravesend, Manhattan Beach              | 66.34%                        |
| 13   | Bronx 10           | Throgs Neck, Pelham Bay, Westchester Square             | 66.32%                        |
| 14   | Queens 1           | Astoria, Steinway, Long Island City, Queensbridge       | 65.79%                        |
| 15   | Brooklyn 11        | Bensonhurst, Bath Beach, Gravesend                      | 64.69%                        |
| 16   | Brooklyn 12        | Borough Park, Ocean Parkway, Kensington                 | 64.03%                        |
| 17   | Queens 12          | Jamaica, St. Albans, Hollis, Springfield Gardens        | 63.29%                        |
| 18   | Queens 5           | Maspeth, Glendale, Middle Village, Ridgewood            | 63.21%                        |
| 19   | Queens 2           | Sunnyside, Woodside, Hunters Point, Long Island City    | 63.19%                        |
| 20   | Queens 9           | Kew Gardens, Woodhaven, Richmond Hill, Ozone Park       | 61.66%                        |
| 21   | Queens 8           | Fresh Meadows, Briarwood, Jamaica Estates, Utopia       | 61.11%                        |
| 22   | Queens 6           | Forest Hills, Rego Park, Forest Hills Gardens           | 61.07%                        |
| 23   | Brooklyn 10        | Bay Ridge, Fort Hamilton, Dyker Heights                 | 60.87%                        |
| 24   | Brooklyn 4         | Bushwick, Ridgewood                                     | 60.48%                        |
| 25   | Queens 13          | Laurelton, Queens Village, Cambria Heights              | 60.44%                        |
| 26   | Bronx 9            | Soundview, Parkchester, Castle Hill, Clason Point       | 59.81%                        |
| 27   | Queens 11          | Bayside, Douglaston, Little Neck, Oakland Gardens       | 59.44%                        |
| 28   | Bronx 8            | Riverdale, Kingsbridge, Fieldston, Marble Hill          | 59.34%                        |
| 29   | Bronx 2            | Hunts Point, Morrisania, Longwood                       | 59.32%                        |
| 30   | Manhattan 4        | Chelsea, Clinton  | 59.23%                        |
| 31   | Bronx 7            | Bedford Park, Norwood, University Heights               | 59.12%                        |
| 32   | Staten Island 1    | St. George, Port Richmond, Stapleton, Shore Acres       | 59.07%                        |
| 33   | Brooklyn 8         | Crown Heights, Prospect Heights, Weeksville             | 58.93%                        |
| 34   | Brooklyn 9         | Prospect Lefferts Gardens, Wingate, Crown Heights       | 58.66%                        |
| 35   | Brooklyn 16        | Brownsville, Ocean Hill, Broadway Junction              | 58.64%                        |
| 36   | Brooklyn 5         | East New York, New Lots, Highland Park                  | 58.35%                        |
| 37   | Bronx 12           | Williamsbridge, Woodlawn, Wakefield, Edenwald           | 57.87%                        |
| 38   | Manhattan 10       | Central Harlem, Polo Grounds                            | 56.80%                        |
| 39   | Bronx 5            | Morris Heights, Fordham, Bathgate, University Heights   | 56.74%                        |
| 40   | Manhattan 3        | East Village, Lower East Side, Tompkins Square          | 56.59%                        |
| 41   | Staten Island 3    | Great Kills, Tottenville, Annadale, Prince's Bay        | 56.55%                        |
| 42   | Brooklyn 6         | Red Hook, Park Slope, Carroll Gardens, Cobble Hill      | 56.08%                        |
| 43   | Queens 14          | Far Rockaway, Breezy Point, Rockaway Park, Seaside      | 55.18%                        |
| 44   | Bronx 4            | Concourse, Mount Eden, High Bridge                      | 54.88%                        |
| 45   | Manhattan 9        | Morningside Heights, Hamilton Heights, Manhattanville   | 54.50%                        |
| 46   | Bronx 3            | Claremont Village, Crotona Park, Woodstock              | 54.46%                        |
| 47   | Brooklyn 7         | Sunset Park, Windsor Terrace, Bush Terminal             | 54.44%                        |
| 48   | Bronx 1            | Mott Haven, Melrose, Port Morris                        | 52.99%                        |
| 49   | Staten Island 2    | Todt Hill, South Beach, Travis, Old Town, Grasmere      | 52.05%                        |
| 50   | Bronx 6            | East Tremont, Belmont, West Farms, Bathgate             | 50.88%                        |
| 51   | Brooklyn 1         | Greenpoint, Williamsburg, Northside, Southside          | 46.77%                        |
| 52   | Manhattan 7        | Lincoln Square, Upper West Side, Manhattan Valley       | 44.30%                        |
| 53   | Manhattan 12       | Washington Heights, Inwood                              | 42.98%                        |
| 54   | Manhattan 2        | Soho, Greenwich Village, Chinatown, Little Italy, Noho  | 42.59%                        |
| 55   | Manhattan 6        | Gramercy, Murray Hill, Turtle Bay, Tudor City           | 41.97%                        |
| 56   | Manhattan 8        | Upper East Side, Yorkville, Carnegie Hill, Lenox Hill   | 38.99%                        |
| 57   | Manhattan 5        | Flatiron, Midtown                                       | 35.98%                        |
| 58   | Manhattan 11       | East Harlem   | 34.57%                        |
| 59   | Manhattan 1        | Financial District, Tribeca, Battery Park City, Seaport | 24.16%                        |

\*Blocks rated Acceptable include those in the "Good" and "Fair" categories. For rankings, 1 is best; 59 is worst.

**Table 6. STREET SMOOTHNESS RANKINGS AND MEDIAN INCOME FOR COMMUNITY DISTRICTS**

| <b>Median Income<sup>1</sup><br/>(Highest to Lowest)</b> | <b>Community District</b> | <b>Neighborhoods</b>                                    | <b>Significant Jolts<sup>2</sup><br/>Ranking</b> | <b>Smoothness Score<sup>3</sup><br/>Ranking</b> |
|--|---------------------------|---|--|---|
| \$53,000   | Manhattan 8               | Upper East Side, Yorkville, Carnegie Hill, Lenox Hill   | 49   | 56  |
| \$51,340   | Staten Island 3           | Great Kills, Tottenville, Annadale, Prince's Bay        | 13   | 41  |
| \$47,445   | Manhattan 1               | Financial District, Tribeca, Battery Park City, Seaport | 59   | 59  |
| \$46,120   | Queens 11                 | Bayside, Douglaston, Little Neck, Oakland Gardens       | 57   | 27  |
| \$46,000   | Queens 13                 | Laurelton, Queens Village, Cambria Heights              | 27   | 25  |
| \$45,912   | Manhattan 6               | Gramercy, Murray Hill, Turtle Bay, Tudor City           | 54   | 55  |
| \$44,755   | Staten Island 2           | Todt Hill, South Beach, Travis, Old Town, Grasmere      | 6  | 49  |
| \$42,050   | Manhattan 5               | Flatiron, Midtown                                       | 56   | 57  |
| \$40,852   | Manhattan 7               | Lincoln Square, Upper West Side, Manhattan Valley       | 33   | 52  |
| \$39,592   | Manhattan 2               | Soho, Greenwich Village, Chinatown, Little Italy, Noho  | 58   | 54  |
| \$38,980   | Queens 10                 | Ozone Park, Howard Beach, South Ozone Park              | 41   | 2   |
| \$38,880   | Queens 8                  | Fresh Meadows, Briarwood, Jamaica Estates, Utopia       | 50   | 21  |
| \$37,982   | Brooklyn 18               | Canarsie, Mill Basin, Marine Park, Flatlands            | 19   | 1   |
| \$36,567   | Staten Island 1           | St. George, Port Richmond, Stapleton, Shore Acres       | 36   | 32  |
| \$36,000   | Queens 7                  | Whitestone, Flushing, College Point, Auburndale         | 53   | 8   |
| \$35,910   | Queens 6                  | Forest Hills, Rego Park, Forest Hills Gardens           | 8  | 22  |
| \$35,460   | Queens 9                  | Kew Gardens, Woodhaven, Richmond Hill, Ozone Park       | 5  | 20  |
| \$34,045   | Bronx 8                   | Riverdale, Kingsbridge, Fieldston, Marble Hill          | 24   | 28  |
| \$33,897   | Brooklyn 6                | Red Hook, Park Slope, Carroll Gardens, Cobble Hill      | 39   | 42  |
| \$33,417   | Bronx 10                  | Throgs Neck, Pelham Bay, Westchester Square             | 4  | 13  |
| \$32,417   | Queens 12                 | Jamaica, St. Albans, Hollis, Springfield Gardens        | 31   | 17  |
| \$32,112   | Brooklyn 10               | Bay Ridge, Fort Hamilton, Dyker Heights                 | 16   | 23  |
| \$31,372   | Brooklyn 2                | Brooklyn Heights, Fort Greene, Boerum Hill              | 40   | 6   |
| \$31,357   | Queens 3                  | East Elmhurst, Jackson Heights, North Corona            | 11   | 9   |
| \$31,320   | Queens 5                  | Maspeth, Glendale, Middle Village, Ridgewood            | 3  | 18  |
| \$31,272   | Brooklyn 15               | Sheepshead Bay, Gravesend, Manhattan Beach              | 7  | 12  |
| \$30,485   | Bronx 12                  | Williamsbridge, Woodlawn, Wakefield, Edenwald           | 45   | 37  |
| \$30,450   | Manhattan 4               | Chelsea, Clinton  | 46   | 30  |
| \$30,267   | Brooklyn 17               | East Flatbush, Rugby, Remsen Village, Farragut          | 30   | 5   |
| \$30,112   | Queens 4                  | Elmhurst, South Corona, Lefrak City                     | 18   | 7   |
| \$29,065   | Queens 2                  | Sunnyside, Woodside, Hunters Point, Long Island City    | 29   | 19  |
| \$27,875   | Bronx 11                  | Morris Park, Pelham Parkway, Bronxdale, Laconia         | 9  | 10  |
| \$27,620   | Brooklyn 14               | Flatbush, Midwood, Ditmas Park, Ocean Parkway           | 2  | 4   |
| \$27,237   | Queens 1                  | Astoria, Steinway, Long Island City, Queensbridge       | 10   | 14  |
| \$27,125   | Brooklyn 11               | Bensonhurst, Bath Beach, Gravesend                      | 1  | 15  |
| \$26,342   | Queens 14                 | Far Rockaway, Breezy Point, Rockaway Park, Seaside      | 20   | 43  |
| \$25,875   | Brooklyn 7                | Sunset Park, Windsor Terrace, Bush Terminal             | 48   | 47  |
| \$25,855   | Brooklyn 9                | Prospect Lefferts Gardens, Wingate, Crown Heights       | 37   | 34  |
| \$25,817   | Brooklyn 12               | Borough Park, Ocean Parkway, Kensington                 | 22   | 16  |
| \$24,440   | Bronx 9                   | Soundview, Parkchester, Castle Hill, Clason Point       | 21   | 26  |
| \$22,790   | Bronx 7                   | Bedford Park, Norwood, University Heights               | 28   | 31  |
| \$21,500   | Manhattan 12              | Washington Heights, Inwood                              | 44   | 53  |
| \$21,295   | Brooklyn 8                | Crown Heights, Prospect Heights, Weeksville             | 17   | 33  |
| \$20,875   | Brooklyn 5                | East New York, New Lots, Highland Park                  | 23   | 36  |
| \$20,775   | Manhattan 9               | Morningside Heights, Hamilton Heights, Manhattanville   | 32   | 45  |
| \$20,007   | Manhattan 3               | East Village, Lower East Side, Tompkins Square          | 55   | 40  |
| \$18,905   | Brooklyn 1                | Greenpoint, Williamsburg, Northside, Southside          | 47   | 51  |
| \$18,350   | Brooklyn 13               | Coney Island, Brighton Beach, Sea Gate, Gravesend       | 15   | 11  |
| \$17,210   | Brooklyn 3                | Bedford Stuyvesant, Ocean Hill, Stuyvesant Heights      | 51   | 3   |
| \$16,285   | Brooklyn 4                | Bushwick, Ridgewood                                     | 12   | 24  |
| \$15,565   | Bronx 4                   | Concourse, Mount Eden, High Bridge                      | 35   | 44  |
| \$15,042   | Brooklyn 16               | Brownsville, Ocean Hill, Broadway Junction              | 25   | 35  |
| \$14,882   | Manhattan 11              | East Harlem   | 52   | 58  |
| \$14,605   | Bronx 5                   | Morris Heights, Fordham, Bathgate, University Heights   | 42   | 39  |
| \$13,252   | Manhattan 10              | Central Harlem, Polo Grounds                            | 26   | 38  |
| \$12,610   | Bronx 6                   | East Tremont, Belmont, West Farms, Bathgate             | 34   | 50  |
| \$10,487   | Bronx 3                   | Claremont Village, Crotona Park, Woodstock              | 14   | 46  |
| \$10,165   | Bronx 2                   | Hunts Point, Morrisania, Longwood                       | 38   | 29  |
| \$9,725  | Bronx 1                   | Mott Haven, Melrose, Port Morris                        | 43   | 48  |

<sup>1</sup>Source: New York City Department of City Planning, 1990 U.S. Census

<sup>2</sup>Significant Jolts measures the number of jolts encountered per mile in a district. For rankings, 1 is best; 59 is worst.

<sup>3</sup>Smoothness Score depicts the percentage of blocks rated acceptable in a district. For rankings, 1 is best; 59 is worst.