

**CITY COUNCIL AGENDA ITEM**  
CITY OF SHORELINE, WASHINGTON

|                      |   |   |                                 |
|----------------------|---|---|---------------------------------|
| <b>AGENDA TITLE:</b> | Discussion of the Light Rail Station Subareas Parking Study 2020 Update |   |                                 |
| <b>DEPARTMENT:</b>   | Public Works  |   |                                 |
| <b>PRESENTED BY:</b> | Kendra Dedinsky, City Traffic Engineer                                  |   |                                 |
| <b>ACTION:</b>       | <input type="checkbox"/> Ordinance                                      | <input type="checkbox"/> Resolution     | <input type="checkbox"/> Motion |
|                      | <input checked="" type="checkbox"/> Discussion                          | <input type="checkbox"/> Public Hearing |                                 |

**PROBLEM/ISSUE STATEMENT:**

Anticipating the increased demand for on-street parking resulting from the start of light rail service and the increased density around the light rail stations, Shoreline City Council allocated \$25,000 annually from 2018 through 2021 to study parking in the station areas. This study is designed to obtain baseline parking utilization information, identify current and anticipated future on-street parking capacity challenges, and identify tools to manage parking now and into the future within the light rail subareas. The first Light Rail Subareas Parking Study was discussed with the Council in October 2019.

The Light Rail Subareas Parking Study 2020 Update (Attachment A) provides updated 2020 parking utilization data (collected prior to COVID-19 impacts), updated enforcement data, updated on-street parking demand projections, actions completed since last study, and updated recommendations. Highlights from the updated study will be presented at tonight's meeting.

**RESOURCE/FINANCIAL IMPACT:**

There are no direct additional financial or resource impacts at this time. Additional parking capacity and utilization data will continue to be gathered in 2021, as funded under the Traffic Services budget. No additional resource is needed at this time to carry out the near-term recommendations described.

**RECOMMENDATION**

No action is required; this item is for discussion purposes only.

Approved By: City Manager **DT** City Attorney **MK**

## **BACKGROUND**

The first Light Rail Subareas Parking Study was discussed with the Council in October 2019 and is available at the following link: [October 28, 2019 staff report on Discussion of the Light Rail Station Subareas Parking Study](#). The first study provided thorough documentation of existing parking laws, codes, policies and practices, common parking management tools, on-street parking demand projections, and recommended near-term, mid-term, and long-term strategies to manage parking demand.

This updated study provides:

- Updated enforcement statistics;
- 2020 subarea on-street parking capacity and utilization data;
- Updated on-street parking demand projections;
- Actions completed since last study report out; and
- Updated recommendations.

## **DISCUSSION**

The following information provides a high-level summary of the Light Rail Station Subareas Parking Study 2020 Update (Attachment A) and resulting highlights and recommendations.

### **Demand**

A thorough on-street parking capacity and utilization data collection and analysis was performed for the 145<sup>th</sup> and 185<sup>th</sup> subareas, extending approximately ¼ mile beyond the rezoned boundaries of the subareas. The target for on-street occupancy is set at 70-85%, which is consistent with industry standards. Occupancy lower than this represents a City asset with underutilized capacity; an unbalanced cost in terms of maintenance and operations of the asset. At utilization over 85%, demand management strategies such as metering are typically used to ensure one to two open spaces per block can be found. A survey of two time periods is conducted to gauge residential versus business demand.

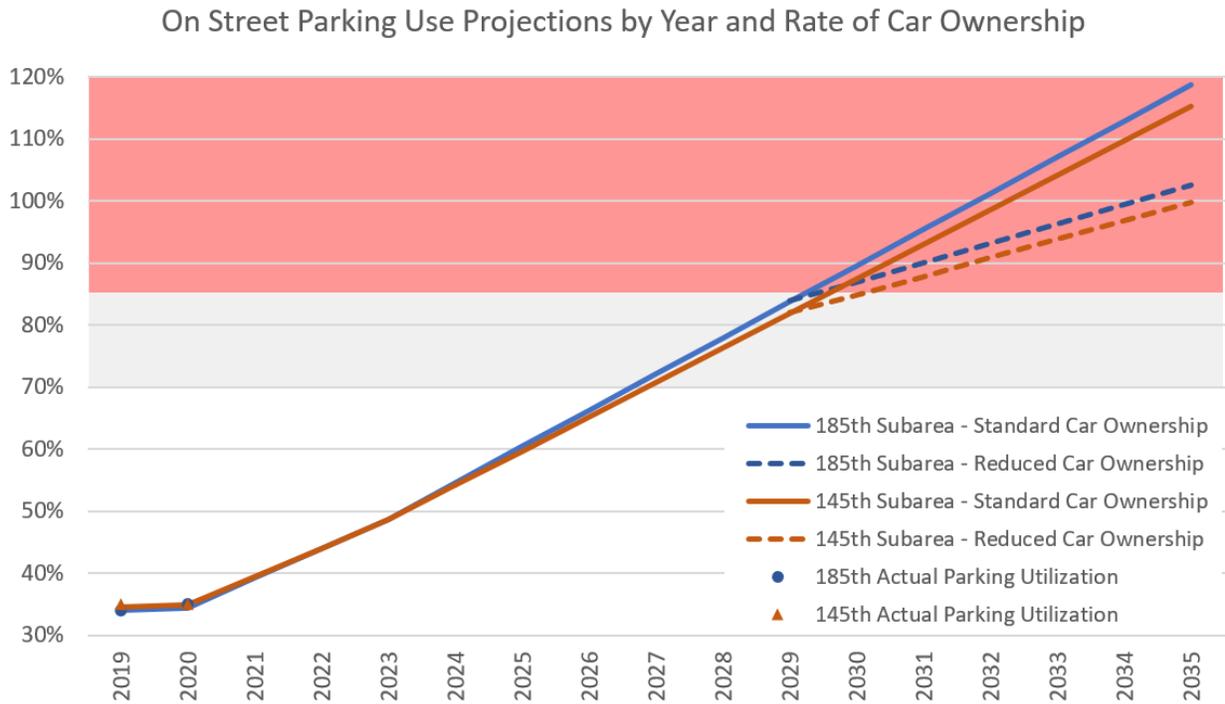
Table 1 below shows a summary of parking utilization data collected for both subareas, both time periods, and for both years of data collection. In general, the updated subarea parking supply continues to show a significant surplus of parking on most streets within and surrounding the subareas, with slightly higher utilization in the 185<sup>th</sup> Subarea in comparison to the 2019 survey. These results align with expectations as very little growth occurred in the 145<sup>th</sup> Subarea, and moderate growth occurred in the 185<sup>th</sup> Subarea, which added 101 new households.

*Table 1. Subareas Parking Utilization by Time of Day, Street Class, and Year*

|                                 | 4-6 AM # Parked |             | 10-12 PM # Parked |            | 4-6 AM % Used |            | 10-12 PM % Used |            |
|---------------------------------|-----------------|-------------|-------------------|------------|---------------|------------|-----------------|------------|
|                                 | 2019            | 2020        | 2019              | 2020       | 2019          | 2020       | 2019            | 2020       |
| <b>145th - Local Streets</b>    | 1140            | 1146        | 818               | 819        | 36%           | 37%        | 26%             | 26%        |
| <b>145th - Arterial Streets</b> | 46              | 47          | 82                | 80         | 17%           | 18%        | 31%             | 30%        |
| <b>145th - All Streets</b>      | <b>1186</b>     | <b>1193</b> | <b>900</b>        | <b>899</b> | <b>35%</b>    | <b>35%</b> | <b>26%</b>      | <b>26%</b> |
| <b>185th - Local Streets</b>    | 961             | 121         | 714               | 804        | 35%           | 36%        | 26%             | 29%        |
| <b>185th - Arterial Streets</b> | 136             | 998         | 134               | 109        | 28%           | 25%        | 28%             | 23%        |
| <b>185th - All Streets</b>      | <b>1097</b>     | <b>1119</b> | <b>848</b>        | <b>913</b> | <b>34%</b>    | <b>35%</b> | <b>26%</b>      | <b>28%</b> |

Out of 365 total street segments, 23 had occupancy greater than 85% for at least one period of the day (excluding streets with less than five vehicle capacity). In nearly every case, a nearby street with lower utilization is available within 1,000 feet or less.

Updated parking demand projections continue to show that even in more conservative scenarios, average parking utilization in both subareas is not expected to exceed 70% within the next five years. In addition, projections show that installation and use of parking meters is likely not feasible until 2029 or beyond, as 85% is commonly used as the threshold for parking meter feasibility. Projections will continue to be refined with additional household and parking utilization data gathered in 2021, and as part of the Sound Transit efforts before and after light rail opening.



*Figure 1. On Street Parking Demand Projections*

### Actions Completed

Staff have completed the following actions regarding parking management in Shoreline:

- Updates to the minimum monetary penalty for parking violations are complete and will help to offset the cost of dedicated parking enforcement staff anticipated for Light Rail Station opening to manage restricted parking zones and parking demand associated with light rail service. The first discussion of monetary penalty updates occurred on May 18, 2020 with adoption occurring on June 1, 2020. Ordinance No. 889 provides for these changes which include a \$40 minimum monetary penalty and \$25 delinquency penalty starting January 1, 2021. The Ordinance also provides for the increase to a \$50 minimum monetary penalty starting January 1, 2023.
- Restricted Parking Zone (RPZ) guidelines have been updated in preparation for expansion of this program around light rail stations.

### Recommendations

The following represent near-term (0-5 year) recommendations and include some updates to the prior report as noted:

1. Continue to utilize basic time of day and load zone parking restrictions as needed.
2. Continue to update RPZ policies, procedures and fees to prepare for anticipated new RPZ's surrounding light rail stations. While the policies and procedures have been updated, staff will be working on transitioning RPZ permit intake to the Planning and Community Development Permit Center in 2021.
3. Use existing study data to inform the Engineering Development Manual Street Matrix update process.
4. Explore potential development code updates to encourage or incentivize reduced car ownership.
5. Consider updating Transportation Master Plan policies around parking specific to land use context.
6. (NEW) Group subarea parking utilization reporting into smaller analysis zones.

In the 5-10 year range, staff recommends:

1. Potential implementation of special use zones for ride-share and ride-hail services.
2. Establishing basic real time parking information technology at light rail stations.
3. Dependent on actual growth, performing a feasibility analysis of metered parking in key locations.

In 10 or more years, staff recommends:

1. Implementing metered parking in key locations, dependent on growth and feasibility/financial analysis.
2. Expanding real time parking information systems, depending on market demand.

### **RESOURCE/FINANCIAL IMPACT**

There are no direct additional financial or resource impacts at this time. Additional parking capacity and utilization data will continue to be gathered in 2021, as funded under the Traffic Services budget. No additional resource is needed at this time to carry out the near-term recommendations described.

## **RECOMMENDATION**

No action is required; this item is for discussion purposes only.

## **ATTACHMENTS**

Attachment A – Light Rail Station Subareas Parking Study 2020 Update



# City of Shoreline

Light Rail Station Subareas Parking Study 2020 Update

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## Introduction

In March 2015 and September 2016, new zoning designations were established in the vicinity of the 185<sup>th</sup> Street station and the 145<sup>th</sup> Street station respectively. Anticipating the increased demand for on-street parking resulting from the opening of light rail stations and from increased density around the light rail stations, Shoreline City Council allocated \$25,000 annually from 2018 through 2021 to obtain baseline parking utilization information, identify current and anticipated future on-street parking capacity challenges, and discuss tools to manage parking now and into the future within the light rail subareas.

The first study, presented to Council in late October 2019, comprehensively documented:

- 1) Existing parking laws, codes, policies and practices
- 2) Common parking management tools
- 3) Parking enforcement statistics
- 4) 2019 subarea on-street parking capacity and utilization data
- 5) On-street parking demand projections
- 6) Recommended near-term, mid-term, and long-term strategies to manage parking demand

The full 2019 Light Rail Subareas Parking Study staff report is available online at:

<http://cosweb.ci.shoreline.wa.us/uploads/attachments/cck/council/staffreports/2019/staffreport102819-9a.pdf>

This second update to the study effort includes:

- 1) Updated enforcement statistics
- 2) 2020 subarea on-street parking capacity and utilization data
- 3) Updated on-street parking demand projections
- 4) Actions completed since last study report out
- 5) Updated recommendations

This study only addresses motor vehicle parking on City streets and does not include information about bicycle or other types of unlicensed vehicle parking.

## Citywide On-Street Parking Statistics

Two data points that can be helpful in gauging on street parking activity and demand are regulatory parking sign installations, which are typically responsive to increased on-street parking activity, and parking tickets. As shown in Figure 1, installation of new parking signs continued to rise in 2019 but were

relatively low in 2020. Low installs in 2020 are likely in part due to Covid-19 impacts, but also due to resolution of many development related parking issues in 2019.

### New Parking Restriction Signs by Year

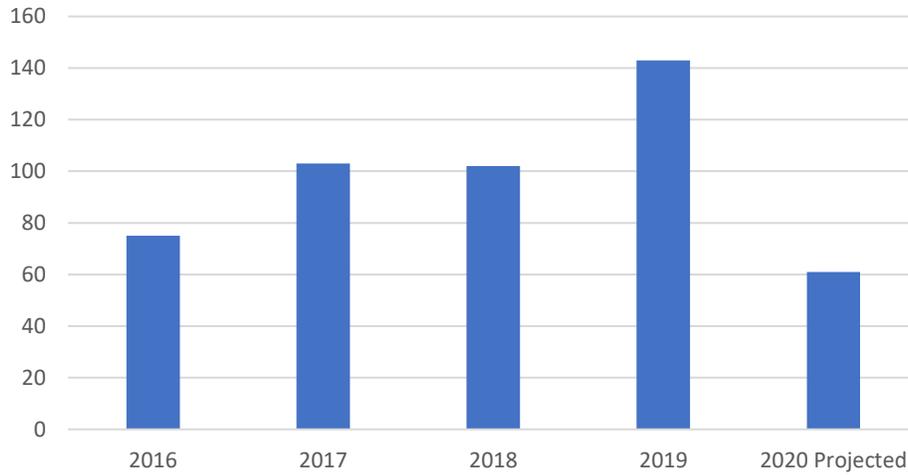


Figure 1. New parking restriction sign installations by year

Figure 2 shows parking tickets issued by year, which shows a continued upward trend for 2019. Parking enforcement was also discussed in more detail with Council at the May 18, 2020 Council Meeting regarding Model Traffic Ordinance amendments to increase the monetary penalty for parking violations. The staff report for the Model Traffic Ordinance amendments discussion is available online at:

<http://cosweb.ci.shoreline.wa.us/uploads/attachments/cck/council/staffreports/2020/staffreport051820-8b.pdf>

### Parking Tickets Issued by Year

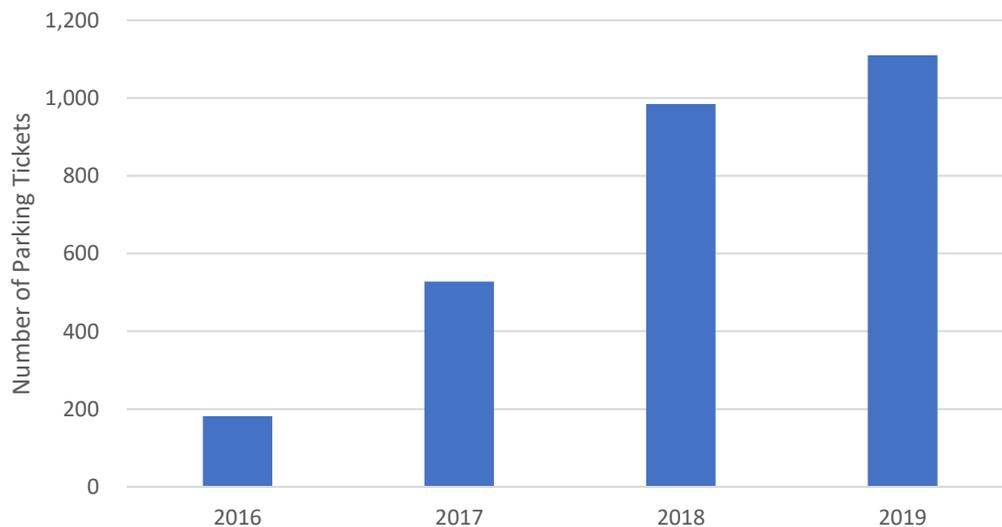


Figure 1. Parking tickets issued by year

## On-Street Parking Utilization – 2020 Update

Thorough on-street parking capacity and utilization data collection and analysis was performed for the 145<sup>th</sup> and 185<sup>th</sup> subareas, extending approximately ¼ mile surrounding the subareas. [Appendix A](#) provides a map showing the full extent of both study areas.

For the purposes of this inventory, on-street parking utilization is defined as the percentage of vehicles parked on-street during a set time period. The City of Shoreline does not formally designate or delineate individual spaces but compiled a space inventory that would exist if spaces were marked. These spaces are based on standard parking dimensions and reflect parking restrictions near intersections, driveways, and fire hydrants. Occupancy can be over 100% as vehicles sometimes park close together, illegally at 90-degree angle, or in illegal areas (i.e. too close to intersections or crossings).

The target occupancy, typically representing 1-2 open spaces per block, is 70% to 85%. This excess capacity helps address circling or “cruising” for parking, which has associated congestion and environmental impacts. Conversely, occupancy significantly lower than the target range represents a City asset that is being underutilized, representing an unbalanced cost in terms of maintenance and operations of the asset.

Recognizing that parking occupancy varies over the course of the day, parking occupancy is evaluated by time-of-day groupings. These groupings normally include early morning hours between 4-6AM to obtain residential demand and middle hours 10AM-2PM to obtain daytime demand. Parking data collection was performed in Winter of 2020, avoiding any holidays, and prior to the start of Covid-19 measures.

Table 1 shows household growth by year within each subarea; the main factor influencing on street parking at this time. Very few projects were completed for occupancy in the 2019 calendar year in the 145<sup>th</sup> Subarea, with just 9 added. The 185<sup>th</sup> Subarea added more, with 101 net new households certified for occupancy, but less than last year’s linear growth rate projection to meet 2035 subarea environmental impact statement thresholds.

*Table 1. Subarea Household Growth*

| <b>Study Area Household Growth</b> | <b>145<sup>th</sup><br/>Subarea</b> | <b>185<sup>th</sup><br/>Subarea</b> |
|------------------------------------|-------------------------------------|-------------------------------------|
| <b>2019 Households</b>             | 3467                                | 3317                                |
| <b>2020 Households</b>             | 3476                                | 3418                                |

Table 2 displays results from both 2019 and 2020 parking utilization surveys. Given the relatively minor growth in both subareas, parking utilization remains relatively consistent with the 2019 report. In the 145<sup>th</sup> Subarea, the updated parking survey showed only a 1% difference at most for all streets and time periods. The 185<sup>th</sup> Subarea saw a little more change, with a 2% difference at most, which aligns with the higher level of household growth in that subarea.

Table 2. Summary Parking Utilization - 145th &amp; 185th Subareas

|                                 | 4-6 AM # Parked |             | 10-12 PM # Parked |            | 4-6 AM % Used |            | 10-12 PM % Used |            |
|---------------------------------|-----------------|-------------|-------------------|------------|---------------|------------|-----------------|------------|
|                                 | 2019            | 2020        | 2019              | 2020       | 2019          | 2020       | 2019            | 2020       |
| <b>145th - Local Streets</b>    | 1140            | 1146        | 818               | 819        | 36%           | 37%        | 26%             | 26%        |
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| <b>185th - Local Streets</b>    | 961             | 121         | 714               | 804        | 35%           | 36%        | 26%             | 29%        |
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As would be expected, parking utilization is highest in the hours representing residential parking demand but is still quite low for both subareas in 2020, at 35%. As residential streets make up the majority of the City street network, they also account for the majority of on-street parking.

Comprehensive street segment-specific results are provided in tabular form in [Appendix B](#) and are also mapped as shown in [Appendix C](#). As a whole, and consistent with the 2019 report, both subareas contain a significant surplus of available on-street parking. The 145<sup>th</sup> Subarea contained 18 segments exceeding 70%, with 9 segments exceeding 85% for at least one period. This represents no significant change from last report. The 185<sup>th</sup> Subarea contained 26 segments with utilization over 70%, with a net increase of 7 new segments in comparison to the last survey. Of these 26 segments, 14 had parking utilization over 85% for at least one period during the day. A list of specific segments with utilization over 70% is shown in [Appendix D](#). For streets with parking utilization over 85%, a lower utilized street is nearby, within approximately 1000 feet, in nearly every case.

## Projected On-Street Parking Capacity and Utilization

With the existing capacity and utilization conditions documented, as well as the underlying future growth thresholds established by the 145<sup>th</sup> and 185<sup>th</sup> Subarea Final Environmental Impact Statements, it is possible to estimate, at a very high level, potential impacts to on-street parking within and surrounding the subarea.

According to the most recent US Census Data, in King County an average of 2 vehicles per household are available. Using this information, in conjunction with existing household data, year 2035 household thresholds, code requirements for on-site parking for new construction (including reductions allowed when light rail stations are operating), and existing on-street parking capacity/utilization data, it is possible to broadly estimate parking demand year by year. Figure 3 shows 2 scenarios for each subarea; one in which car ownership remains at 2 vehicles per household, and another where it drops to 1.4 vehicles per new household by 2029. The differential in parking demand by 2035 under the two scenarios is approximately 16% for both subareas. The data tables for this figure and additional context for assumptions is provided as [Appendix E](#).

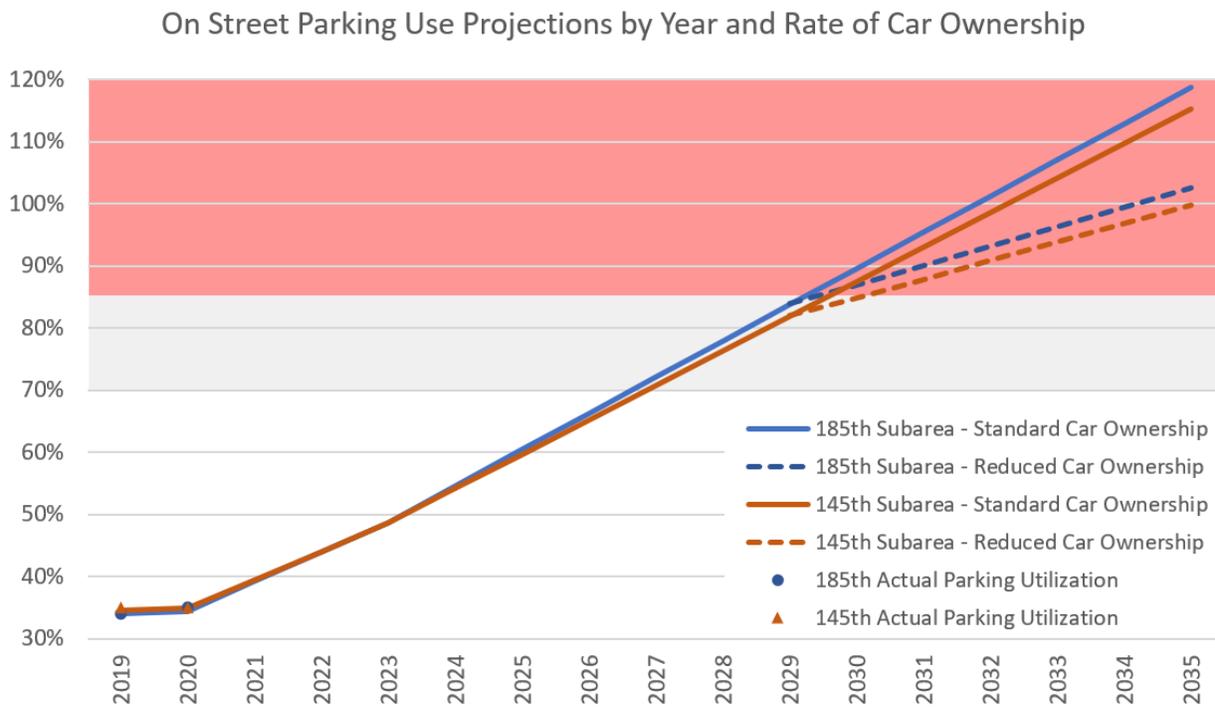


Figure 3. On-street parking demand projections

This projection provides useful information about when the subareas as a whole may begin to approach target and at-capacity on-street parking demand so the City can take the appropriate steps for proactive parking management, and guide provision of on-street parking associated with developer right-of-way improvements. This model can also be adjusted over time to more accurately reflect fluctuations in housing growth year by year which will allow for more accurate projections. It should be noted that the assumption for on-street parking capacity remains fixed in this projection. On-street parking capacity will change over time; in some cases, parking may be added with developer frontage improvements, or with consolidation of driveways, and in others it may be removed to accommodate bicycle facilities for example.

It should also be noted that increased parking demand generated by Sound Transit Light Rail stations is not accounted for. This is because hide-and-ride mitigation is planned to detour trips to the station once the parking garage is full.

### Conclusions & Recommendations

Household growth for the 2019 calendar year was low for the 145<sup>th</sup> Subarea, and relatively low for the 185<sup>th</sup> Subarea which resulted in little change from the prior year parking utilization report. As such, the conclusions and recommendations from the prior report hold true, however some additions and refinements have been made, as noted in xx. In addition, progress on near term actions is reported in blue italic text.

## Near-Term (0-5 years)

**1. Continue to utilize basic time of day and load zone parking restrictions as needed**

As redevelopment occurs, continue to assess need for load zone restrictions, or other time of day/day of week restrictions as needed. Assessment and implementation typically occur with review of Right-of-Way permits associated with frontage improvements.

*Status: In progress/ongoing.*

**2. Analyze and adopt a monetary penalty schedule for parking violations specific to City of Shoreline**

More thorough budget analysis would be performed as part of this process, which could help to inform enforcement staffing decisions. Any changes would come before Council for discussion and adoption. If adopted, the penalty schedule should be reviewed and adjusted as needed periodically.

*Status: Complete – the first discussion of the proposed monetary penalty updates occurred May 18, 2020 and the adoption occurred June 1<sup>st</sup>. Ordinance 889 documents these changes which reflect at \$40 minimum monetary penalty and \$25 delinquency penalty starting January 1<sup>st</sup>, 2021. The ordinance also documents the increase to a \$50 minimum monetary penalty starting January 1<sup>st</sup>, 2023.*

**3. Fund a position dedicated to parking management and enforcement**

Based on existing and anticipated need to enforce anticipated restricted parking zones (RPZ's) around Sound Transit Light Rail Stations, staff recommends funding a part time position **by 2024**, dependent on the financial analysis and outcomes of revising the parking violation monetary penalty. The position should be periodically reviewed with biennium budget process to determine if/when additional staff resource is needed.

*Status: In progress – revisions to the parking violation monetary penalty will help to offset the cost of a new dedicated parking enforcement position. Through financial analysis conducted for the monetary penalty changes, and discussions with Council, the goal is now to fund a position by the time light rail opens.*

**4. Update RPZ policies, procedures and fees to prepare for anticipated new RPZ's surrounding light rail stations**

The City currently manages a small RPZ near Shoreline Community College, however the program framework is cumbersome for both staff and residents. Updating the policies, procedures and fees will allow for a more predictable and scalable RPZ program in order to be responsive to the new demands of the light rail stations and surrounding redevelopment. Public Works Staff will also work with Planning and Community Development staff to migrate RPZ permit intake from Public Works to Planning and Community Development as this represents the only permit that Public Works currently takes in directly. In accordance with these RPZ updates, implement new zones as part of Sound Transit Hide-and-Ride mitigation commitment, following Sound Transit's study efforts.

*Status: In progress – RPZ guidelines have been updated and are online at:*

[www.shorelinewa.gov/government/departments/public-works/traffic-services/parking](http://www.shorelinewa.gov/government/departments/public-works/traffic-services/parking)

*Public Works and Planning and Community Development staff will work together in 2021 to move permitting of RPZ's to the 3<sup>rd</sup> floor and formalize procedures and associated fees.*

**5. Use existing study data to inform the Engineering Development Manual Street Matrix update process**

This will be an ongoing effort, using parking data to inform where on-street parking is needed and should be included as part of frontage improvements. Parking utilization data will continue to be collected through 2021 which will provide additional context for this process.

*Status: In progress/ongoing.*

**6. Consider updating Transportation Master Plan parking policies specific to land use context**

The City may wish to expand upon or reframe policy T36 in order to allow for a more nuanced approach to parking prioritization as it relates to adjacent land use.

*Status: In progress – TMP process has begun.*

**7. Explore potential development code revisions to encourage reduced car ownership**

Existing code should be examined for unintended consequences that effectively increase traffic volumes and car ownership. This could include but is not limited to, options to incentivize lower car ownership, removing the current code provision restricting unbundling parking for the interior portion of the subareas to reduce car ownership, and/or expanding on criteria for reduced or revised on-site parking requirements. Fee-in-lieu or other programs could provide a mechanism for shifting private investments from the traditional individual owned car structure to more sustainable modes like walking, biking, transit, car-share or other alternatives.

*Status: Not started – PCD and Public works will be reviewing code regarding unbundling parking from rental prices in 2021.*

**8. Group subarea parking utilization reporting into smaller analysis zones**

*For the final report out, and in preparation for upcoming Sound Transit parking studies, create smaller geographic groupings within each subarea for utilization analysis. This will better reflect the impacts around pockets of development and will allow for better planning and quicker response to areas with emerging parking capacity issues.*

**Mid-Term (5-10 years)**

Dependent on growth and light rail station impacts, the following represent potential actions for the mid-term timeframe of 5-10 years.

**1. Potential implementation of special use zones**

Around light rail stations or other major trip generators, identify key locations for designating curb space for car-share and ride-hail services to maintain safe, consistent, user-friendly transportation options.

**2. Establish basic real time parking information technology**

If not already implemented or planned within the 5-10 year timeframe, work with Sound Transit to establish real time information for their parking garages in Shoreline to reduce unnecessary trips on City Streets and provide useful information to drivers/riders.

**3. Depending on growth, perform a feasibility analysis of metered parking in key locations**

If growth is generally on-track with or exceeding projections, collect new parking utilization and demand data in 2028 to determine if metered parking is viable. If utilization shows metered parking may be viable based on demand, prepare more detailed implementation strategy and financial analysis for follow up Council action.

**Long-Term (10+ years)**

Dependent on growth and status of mid-term recommendations, the following represent potential actions to take in the mid-term timeframe of greater than 10 years.

**1. Implement metered parking in key locations**

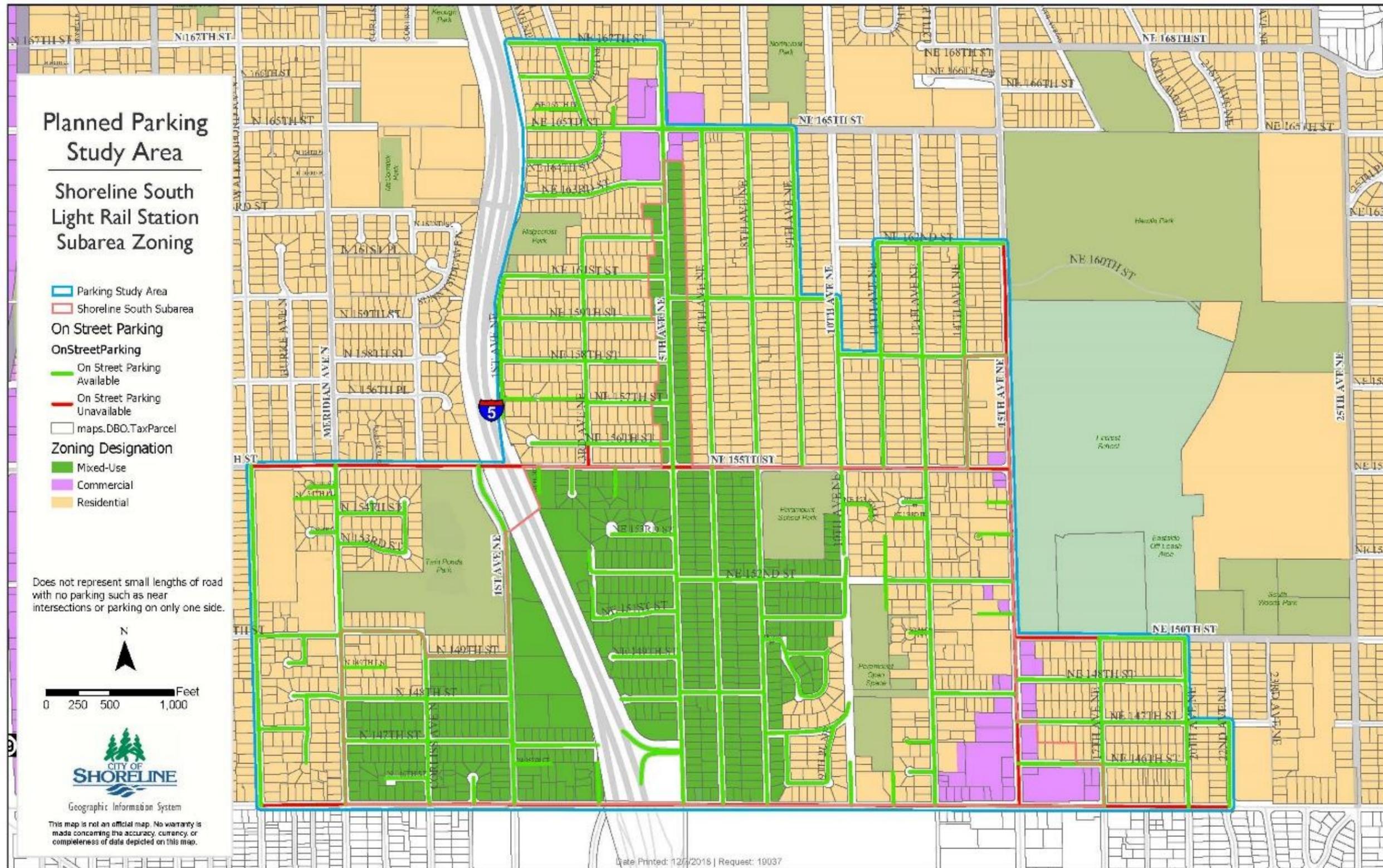
If warranted, begin implementation of metered parking program in high-demand locations within subarea.

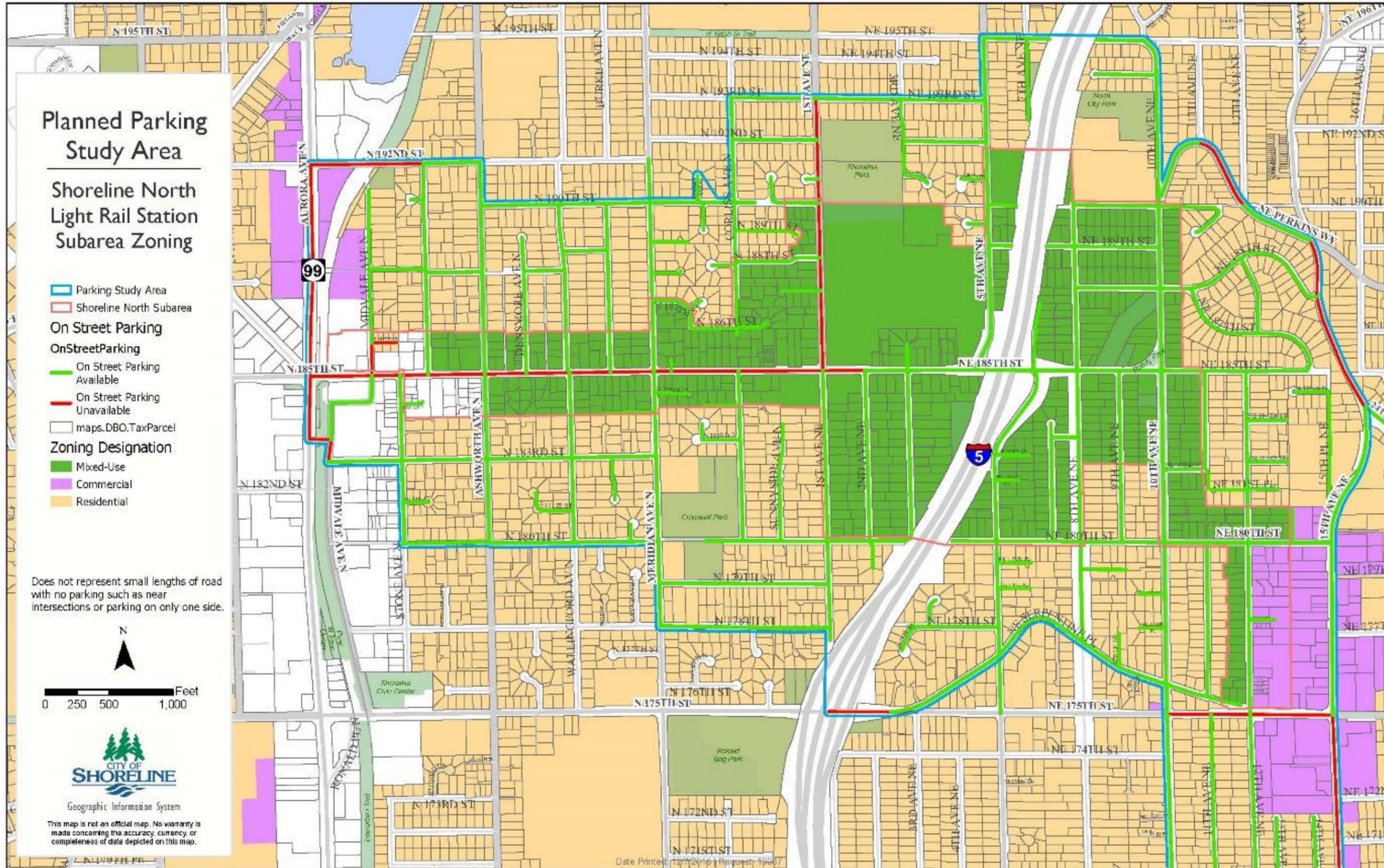
**2. Expand real time parking information**

Depending on the private infrastructure and market demand, potentially form public-private partnerships to expand real time parking information program. [Explore big data technology to provide opportunities for real time information with regard to on-street parking.](#)

Appendices A-E

Appendix A – 145th & 185th Parking Study Area





## Appendix B – Tabular Parking Survey Results by Street Segment

Appendix B - Parking Survey Results - 145th Zone

| STREET SEGMENT NAME                         | COMPKEY | AssetID | Both Sides spc | 4am-6am # | 4AM-6AM % | 10am-Noon # | Daytime % |
|---|---------|---------|----------------|-----------|-----------|-------------|-----------|
| 10TH AVE NE FROM NE 151ST ST TO NE 152ND ST | 1332    | ST-1334 | 12             | 0         | 0%        | 0           | 0%        |
| 10TH AVE NE FROM NE 152ND ST TO STREET END  | 53757   | ST-2184 | 6              | 3         | 50%       | 2           | 33%       |
| 10TH AVE NE FROM STREET END TO NE 153RD CT  | 53757   | ST-1123 | 17             | 4         | 24%       | 2           | 12%       |
| 10TH AVE NE FROM NE 153RD CT TO NE 155TH ST | 1333    | ST-1962 | 5              | 2         | 40%       | 1           | 20%       |
| 10TH AVE NE FROM NE 155TH ST TO NE 158TH ST | 1334    | ST-552  | 37             | 19        | 51%       | 15          | 41%       |
| 10TH AVE NE FROM NE 158TH ST TO NE 160TH ST | 1335    | ST-29   | 29             | 16        | 55%       | 9           | 31%       |
| 11TH AVE NE FROM NE 155TH ST TO NE 158TH ST | 1362    | ST-629  | 37             | 20        | 54%       | 15          | 41%       |
| 11TH AVE NE FROM NE 158TH ST TO NE 162ND ST | 1363    | ST-157  | 42             | 17        | 40%       | 5           | 12%       |
| 12TH AVE NE FROM NE 145TH ST TO NE 146TH ST | 1375    | ST-471  | 4              | 2         | 50%       | 2           | 50%       |
| 12TH AVE NE FROM NE 146TH ST TO NE 147TH ST | 1376    | ST-297  | 15             | 2         | 13%       | 6           | 40%       |
| 12TH AVE NE FROM NE 147TH ST TO NE 148TH ST | 52935   | ST-103  | 15             | 1         | 7%        | 0           | 0%        |
| 12TH AVE NE FROM NE 148TH ST TO NE 150TH CT | 1377    | ST-817  | 23             | 7         | 30%       | 5           | 22%       |
| 12TH AVE NE FROM NE 150TH CT TO NE 152ND ST | 1378    | ST-1677 | 13             | 1         | 8%        | 1           | 8%        |
| 12TH AVE NE FROM NE 152ND ST TO NE 153RD PL | 52958   | ST-467  | 28             | 0         | 0%        | 0           | 0%        |
| 12TH AVE NE FROM NE 153RD PL TO NE 154TH ST | 52959   | ST-259  | 6              | 0         | 0%        | 1           | 17%       |
| 12TH AVE NE FROM NE 154TH ST TO NE 155TH ST | 1379    | ST-1248 | 8              | 1         | 13%       | 1           | 13%       |
| 12TH AVE NE FROM NE 155TH ST TO NE 158TH ST | 1380    | ST-2093 | 41             | 4         | 10%       | 7           | 17%       |
| 12TH AVE NE FROM NE 158TH ST TO NE 162ND ST | 1381    | ST-1320 | 27             | 4         | 15%       | 2           | 7%        |
| 14TH AVE NE FROM NE 155TH ST TO NE 158TH ST | 1415    | ST-1935 | 40             | 14        | 35%       | 12          | 30%       |
| 14TH AVE NE FROM NE 158TH ST TO NE 162ND ST | 1416    | ST-1661 | 39             | 19        | 49%       | 11          | 28%       |
| 17TH AVE NE FROM NE 145TH ST TO NE 146TH ST | 1480    | ST-380  | 8              | 0         | 0%        | 0           | 0%        |
| 17TH AVE NE FROM NE 146TH ST TO NE 147TH ST | 1481    | ST-698  | 2              | 0         | 0%        | 0           | 0%        |
| 17TH AVE NE FROM NE 147TH ST TO NE 148TH ST | 1482    | ST-1979 | 7              | 1         | 14%       | 1           | 14%       |
| 17TH AVE NE FROM NE 148TH ST TO NE 150TH ST | 1483    | ST-2371 | 7              | 6         | 86%       | 1           | 14%       |
| 2ND AVE NE FROM STREET END TO NE 155TH ST   | 1147    | ST-1937 | 12             | 1         | 8%        | 2           | 17%       |
| 20TH AVE NE FROM NE 145TH ST TO NE 146TH ST | 1513    | ST-1348 | 6              | 4         | 67%       | 5           | 83%       |
| 20TH AVE NE FROM NE 146TH ST TO NE 147TH ST | 1514    | ST-699  | 15             | 3         | 20%       | 1           | 7%        |
| 20TH AVE NE FROM NE 147TH ST TO NE 148TH ST | 15986   | ST-916  | 20             | 5         | 25%       | 2           | 10%       |
| 20TH AVE NE FROM NE 148TH ST TO NE 150TH ST | 1515    | ST-1066 | 19             | 1         | 5%        | 1           | 5%        |
| 22ND AVE NE FROM NE 145TH ST TO NE 147TH ST | 1542    | ST-382  | 46             | 12        | 26%       | 7           | 15%       |
| 3RD AVE NE FROM NE 151ST ST TO STREET END   | 1165    | ST-1977 | Closed         | 0         | Closed    | 0           | Closed    |
| 3RD AVE NE FROM NE 155TH ST TO NE 156TH ST  | 1166    | ST-1669 | 4              | 0         | 0%        | 0           | 0%        |
| 3RD AVE NE FROM NE 156TH ST TO NE 157TH ST  | 1167    | ST-801  | 12             | 8         | 67%       | 3           | 25%       |
| 3RD AVE NE FROM NE 157TH ST TO NE 158TH ST  | 1168    | ST-1664 | 17             | 6         | 35%       | 3           | 18%       |
| 3RD AVE NE FROM NE 158TH ST TO NE 159TH ST  | 1169    | ST-1659 | 19             | 7         | 37%       | 2           | 11%       |
| 3RD AVE NE FROM NE 159TH ST TO NE 161ST ST  | 1170    | ST-796  | 17             | 7         | 41%       | 3           | 18%       |
| 3RD AVE NE FROM NE 161ST ST TO NE 162ND ST  | 1171    | ST-623  | 13             | 4         | 31%       | 2           | 15%       |
| 3RD AVE NE FROM NE 165TH ST TO NE 165TH PL  | 1172    | ST-596  | 9              | 0         | 0%        | 0           | 0%        |
| 3RD AVE NE FROM NE 165TH PL TO NE 166TH ST  | 1172    | ST-875  | 13             | 3         | 23%       | 1           | 8%        |
| 3RD PL NE FROM NE 166TH ST TO NE 167TH ST   | 1205    | ST-1042 | 10             | 6         | 60%       | 5           | 50%       |
| 4TH AVE NE FROM NE 164TH ST TO NE 165TH ST  | 1208    | ST-1603 | 12             | 1         | 8%        | 1           | 8%        |
| 4TH AVE NE FROM NE 165TH ST TO STREET END   | 15899   | ST-1648 | 7              | 5         | 71%       | 3           | 43%       |
| 6TH AVE NE FROM NE 145TH ST TO NE 148TH ST  | 1263    | ST-688  | 36             | 18        | 50%       | 15          | 42%       |
| 6TH AVE NE FROM NE 148TH ST TO NE 152ND ST  | 1264    | ST-1680 | 42             | 27        | 64%       | 18          | 43%       |
| 6TH AVE NE FROM NE 152ND ST TO NE 155TH ST  | 1265    | ST-260  | 38             | 26        | 68%       | 21          | 55%       |
| 6TH AVE NE FROM NE 155TH ST TO NE 160TH ST  | 1266    | ST-804  | 82             | 19        | 23%       | 14          | 17%       |
| 6TH AVE NE FROM NE 160TH ST TO NE 165TH ST  | 1267    | ST-794  | 76             | 26        | 34%       | 15          | 20%       |
| 8TH AVE NE FROM NE 145TH ST TO NE 147TH ST  | 1290    | ST-960  | 29             | 3         | 10%       | 5           | 17%       |
| 8TH AVE NE FROM NE 147TH ST TO NE 148TH ST  | 1291    | ST-1253 | 14             | 4         | 29%       | 4           | 29%       |
| 8TH AVE NE FROM NE 148TH ST TO NE 150TH ST  | 1292    | ST-578  | 13             | 7         | 54%       | 5           | 38%       |
| 8TH AVE NE FROM NE 150TH ST TO NE 151ST ST  | 1293    | ST-2425 | 7              | 7         | 100%      | 6           | 86%       |
| 8TH AVE NE FROM NE 151ST ST TO NE 152ND ST  | 1294    | ST-515  | 13             | 5         | 38%       | 2           | 15%       |
| 8TH AVE NE FROM NE 152ND ST TO NE 155TH ST  | 1295    | ST-951  | 43             | 8         | 19%       | 4           | 9%        |
| 8TH AVE NE FROM NE 155TH ST TO NE 160TH ST  | 1296    | ST-874  | 70             | 21        | 30%       | 13          | 19%       |
| 8TH AVE NE FROM NE 160TH ST TO NE 165TH ST  | 1297    | ST-567  | 79             | 20        | 25%       | 14          | 18%       |
| 9TH AVE NE FROM NE 146TH ST TO NE 147TH ST  | 1322    | ST-1688 | 18             | 2         | 11%       | 2           | 11%       |
| 9TH AVE NE FROM NE 148TH ST TO NE 150TH ST  | 1323    | ST-32   | 16             | 7         | 44%       | 6           | 38%       |
| 9TH AVE NE FROM NE 150TH ST TO NE 150TH ST  | 1324    | ST-294  | 3              | 0         | 0%        | 0           | 0%        |

| STREET SEGMENT NAME                             | COMPKEY | AssetID | Both Sides spc | 4am-6am # | 4AM-6AM % | 10am-Noon # | Daytime % |
|---|---------|---------|----------------|-----------|-----------|-------------|-----------|
| 9TH AVE NE FROM NE 155TH ST TO NE 160TH ST      | 1325    | ST-2089 | 86             | 32        | 37%       | 15          | 17%       |
| 9TH AVE NE FROM NE 160TH ST TO NE 165TH ST      | 1326    | ST-26   | 75             | 41        | 55%       | 25          | 33%       |
| 9TH PL NE FROM NE 146TH ST TO NE 147TH ST       | 1329    | ST-1072 | 18             | 6         | 33%       | 2           | 11%       |
| 9TH PL NE FROM NE 148TH ST TO NE 150TH ST       | 1330    | ST-1681 | 14             | 5         | 36%       | 2           | 14%       |
| 9TH PL NE FROM NE 150TH ST TO STREET END        | 15969   | ST-2505 | 1              | 1         | 100%      | 1           | 100%      |
| BAGLEY PL N FROM N 154TH ST TO STREET END       | 2495    | ST-155  | 4              | 6         | 150%      | 1           | 25%       |
| BURKE AVE N FROM N STREET END TO N 147TH ST     | 2501    | ST-636  | 12             | 4         | 33%       | 2           | 17%       |
| BURKE AVE N FROM N 147TH ST TO N 148TH ST       | 2502    | ST-1341 | 12             | 3         | 25%       | 1           | 8%        |
| BURKE AVE N FROM N 149TH ST TO N 150TH ST       | 2503    | ST-811  | 5              | 2         | 40%       | 2           | 40%       |
| CORLISS AVE N FROM N 145TH ST TO N 146TH ST     | 2521    | ST-299  | 8              | 2         | 25%       | 3           | 38%       |
| CORLISS AVE N FROM N 146TH ST TO N 147TH ST     | 2522    | ST-1504 | 13             | 1         | 8%        | 1           | 8%        |
| CORLISS AVE N FROM N 147TH ST TO N 148TH ST     | 2523    | ST-2490 | 24             | 2         | 8%        | 2           | 8%        |
| CORLISS AVE N FROM N 148TH ST TO N 149TH ST     | 2524    | ST-2370 | 12             | 10        | 83%       | 7           | 58%       |
| CORLISS AVE N FROM N 149TH ST TO N 150TH ST     | 2525    | ST-1939 | 10             | 2         | 20%       | 2           | 20%       |
| CORLISS PL N FROM N 153RD ST TO N 154TH ST      | 2544    | ST-92   | 12             | 6         | 50%       | 7           | 58%       |
| CORLISS PL N FROM N 154TH ST TO STREET END      | 2545    | ST-412  | 2              | 3         | 150%      | 1           | 50%       |
| N 146TH ST FROM STREET END TO CORLISS AVE N     | 1649    | ST-295  | 13             | 10        | 77%       | 5           | 38%       |
| N 147TH ST FROM CORLISS AVE N TO 1ST AVE NE     | 1658    | ST-264  | 30             | 7         | 23%       | 28          | 93%       |
| N 147TH ST FROM MERIDIAN AVE N TO CORLISS AVE N | 1657    | ST-1342 | 27             | 10        | 37%       | 8           | 30%       |
| N 147TH ST FROM WALLINGFORD AV N TO BURKE AVE N | 1656    | ST-1682 | 19             | 0         | 0%        | 0           | 0%        |
| N 148TH ST FROM STREET END TO BURKE AVE N       | 1676    | ST-667  | 5              | 3         | 60%       | 2           | 40%       |
| N 148TH ST FROM BURKE AVE N TO MERIDIAN AVE N   | 1675    | ST-1785 | 5              | 3         | 60%       | 1           | 20%       |
| N 148TH ST FROM MERIDIAN AVE N TO CORLISS AVE N | 1677    | ST-633  | 29             | 18        | 62%       | 6           | 21%       |
| N 148TH ST FROM CORLISS AVE N TO 1ST AVE NE     | 1678    | ST-2442 | 19             | 6         | 32%       | 3           | 16%       |
| N 149TH ST FROM STREET END TO BURKE AVE N       | 1688    | ST-1940 | 3              | 0         | 0%        | 1           | 33%       |
| N 149TH ST FROM CORLISS AVE N TO 1ST AVE NE     | 1689    | ST-1679 | 19             | 13        | 68%       | 12          | 63%       |
| N 150TH ST FROM WALLINGFORD AV N TO BURKE AVE N | 1702    | ST-2494 | 8              | 5         | 63%       | 6           | 75%       |
| N 150TH ST FROM BURKE AVE N TO MERIDIAN AVE N   | 1703    | ST-2502 | 12             | 0         | 0%        | 11          | 92%       |
| N 150TH ST FROM MERIDIAN AVE N TO CORLISS AVE N | 1704    | ST-2501 | 24             | 10        | 42%       | 6           | 25%       |
| N 153RD PL FROM STREET END TO MERIDIAN AVE N    | 1730    | ST-156  | 3              | 4         | 133%      | 1           | 33%       |
| N 153RD ST FROM MERIDIAN AVE N TO CORLISS PL N  | 1725    | ST-33   | 22             | 12        | 55%       | 4           | 18%       |
| N 154TH ST FROM MERIDIAN AVE N TO BAGLEY PL N   | 1731    | ST-1247 | 11             | 3         | 27%       | 2           | 18%       |
| N 154TH ST FROM BAGLEY PL N TO CORLISS PL N     | 1732    | ST-631  | 15             | 2         | 13%       | 2           | 13%       |
| NE 146TH ST FROM 9TH AVE NE TO 9TH PL NE        | 1650    | ST-824  | 7              | 7         | 100%      | 6           | 86%       |
| NE 146TH ST FROM STREET END TO 12TH AVE NE      | 1651    | ST-639  | 8              | 4         | 50%       | 1           | 13%       |
| NE 146TH ST FROM 15TH AVE NE TO 17TH AVE NE     | 1652    | ST-269  | 26             | 9         | 35%       | 12          | 46%       |
| NE 146TH ST FROM 17TH AVE NE TO 20TH AVE NE     | 1653    | ST-1686 | 25             | 12        | 48%       | 8           | 32%       |
| NE 147TH ST FROM 1ST AVE NE TO STREET END       | 1655    | ST-1981 | 34             | 9         | 26%       | 8           | 24%       |
| NE 147TH ST FROM 8TH AVE NE TO 9TH AVE NE       | 1659    | ST-517  | 7              | 1         | 14%       | 1           | 14%       |
| NE 147TH ST FROM 9TH AVE NE TO 9TH PL NE        | 1660    | ST-1254 | 14             | 6         | 43%       | 4           | 29%       |
| NE 147TH ST FROM 9TH PL NE TO STREET END        | 1661    | ST-1946 | 14             | 2         | 14%       | 2           | 14%       |
| NE 147TH ST FROM 15TH AVE NE TO 17TH AVE NE     | 1662    | ST-1343 | 24             | 14        | 58%       | 12          | 50%       |
| NE 147TH ST FROM 17TH AVE NE TO 20TH AVE NE     | 1663    | ST-917  | 20             | 17        | 85%       | 14          | 70%       |
| NE 147TH ST FROM 20TH AVE NE TO 22ND AVE NE     | 1664    | ST-2367 | 20             | 2         | 10%       | 0           | 0%        |
| NE 148TH ST FROM STREET END TO 5TH AVE NE       | 1679    | ST-580  | Closed         | 0         | Closed    | 0           | Closed    |
| NE 148TH ST FROM 5TH AVE NE TO 6TH AVE NE       | 1680    | ST-2441 | 11             | 4         | 36%       | 1           | 9%        |
| NE 148TH ST FROM 6TH AVE NE TO 8TH AVE NE       | 1681    | ST-1065 | 15             | 5         | 33%       | 2           | 13%       |
| NE 148TH ST FROM 9TH AVE NE TO 9TH PL NE        | 1682    | ST-1252 | 15             | 8         | 53%       | 6           | 40%       |
| NE 148TH ST FROM 12TH AVE NE TO 15TH AVE NE     | 1683    | ST-818  | 24             | 21        | 88%       | 19          | 79%       |
| NE 148TH ST FROM 15TH AVE NE TO 17TH AVE NE     | 1684    | ST-685  | 34             | 25        | 74%       | 23          | 68%       |
| NE 148TH ST FROM 17TH AVE NE TO 20TH AVE NE     | 1685    | ST-686  | 27             | 14        | 52%       | 12          | 44%       |
| NE 149TH ST FROM STREET END TO 5TH AVE NE       | 1690    | ST-813  | 25             | 19        | 76%       | 12          | 48%       |
| NE 150TH ST FROM 8TH AVE NE TO 9TH AVE NE       | 1705    | ST-2504 | 3              | 0         | 0%        | 0           | 0%        |
| NE 150TH ST FROM 9TH AVE NE TO 9TH PL NE        | 1706    | ST-2428 | 10             | 0         | 0%        | 0           | 0%        |
| NE 151ST ST FROM 3RD AVE NE TO 5TH AVE NE       | 1715    | ST-263  | 24             | 19        | 79%       | 12          | 50%       |
| NE 151ST ST FROM 8TH AVE NE TO 10TH AVE NE      | 1716    | ST-1493 | 34             | 18        | 53%       | 10          | 29%       |
| NE 152ND ST FROM 3RD AVE NE TO 5TH AVE NE       | 1718    | ST-1489 | 30             | 4         | 13%       | 5           | 17%       |
| NE 152ND ST FROM 5TH AVE NE TO 6TH AVE NE       | 1719    | ST-1331 | 8              | 6         | 75%       | 1           | 13%       |

| STREET SEGMENT NAME                            | COMPKEY | AssetID | Both Sides spc | 4am-6am # | 4AM-6AM % | 10am-Noon # | Daytime % |
|--|---------|---------|----------------|-----------|-----------|-------------|-----------|
| NE 152ND ST FROM 6TH AVE NE TO 8TH AVE NE      | 1720    | ST-2423 | 17             | 2         | 12%       | 1           | 6%        |
| NE 152ND ST FROM 8TH AVE NE TO 10TH AVE NE     | 1721    | ST-952  | 31             | 8         | 26%       | 6           | 19%       |
| NE 152ND ST FROM 11TH AVE NE TO 12TH AVE NE    | 1722    | ST-953  | 11             | 3         | 27%       | 1           | 9%        |
| NE 152ND ST FROM 12TH AVE NE TO 15TH AVE NE    | 1723    | ST-468  | 18             | 18        | 100%      | 16          | 89%       |
| NE 153RD ST FROM STREET END TO 5TH AVE NE      | 1726    | ST-2096 | 21             | 7         | 33%       | 2           | 10%       |
| NE 154TH ST FROM STREET END TO 12TH AVE NE     | 1733    | ST-994  | 5              | 2         | 40%       | 2           | 40%       |
| NE 156TH ST FROM STREET END TO 3RD AVE NE      | 1766    | ST-466  | 16             | 5         | 31%       | 1           | 6%        |
| NE 156TH ST FROM 3RD AVE NE TO 5TH AVE NE      | 1767    | ST-1063 | 32             | 16        | 50%       | 7           | 22%       |
| NE 157TH ST FROM 3RD AVE NE TO 5TH AVE NE      | 1777    | ST-869  | 28             | 15        | 54%       | 13          | 46%       |
| NE 158TH ST FROM 1ST AVE NE TO 3RD AVE NE      | 1780    | ST-1660 | 33             | 10        | 30%       | 7           | 21%       |
| NE 158TH ST FROM 3RD AVE NE TO 5TH AVE NE      | 1781    | ST-88   | 36             | 15        | 42%       | 8           | 22%       |
| NE 158TH ST FROM 10TH AVE NE TO 11TH AVE NE    | 1782    | ST-158  | 7              | 0         | 0%        | 0           | 0%        |
| NE 158TH ST FROM 11TH AVE NE TO 12TH AVE NE    | 1783    | ST-159  | 15             | 7         | 47%       | 5           | 33%       |
| NE 158TH ST FROM 12TH AVE NE TO 14TH AVE NE    | 1784    | ST-798  | 20             | 2         | 10%       | 6           | 30%       |
| NE 158TH ST FROM 14TH AVE NE TO 15TH AVE NE    | 1785    | ST-1321 | 11             | 3         | 27%       | 2           | 18%       |
| NE 159TH ST FROM 1ST AVE NE TO 3RD AVE NE      | 1794    | ST-569  | 33             | 14        | 42%       | 10          | 30%       |
| NE 159TH ST FROM 3RD AVE NE TO 5TH AVE NE      | 1795    | ST-1237 | 28             | 9         | 32%       | 6           | 21%       |
| NE 160TH ST FROM 5TH AVE NE TO 6TH AVE NE      | 1811    | ST-566  | 15             | 4         | 27%       | 3           | 20%       |
| NE 160TH ST FROM 6TH AVE NE TO 8TH AVE NE      | 1812    | ST-25   | 22             | 7         | 32%       | 4           | 18%       |
| NE 160TH ST FROM 8TH AVE NE TO 9TH AVE NE      | 1813    | ST-568  | 18             | 9         | 50%       | 4           | 22%       |
| NE 160TH ST FROM 9TH AVE NE TO 10TH AVE NE     | 1814    | ST-1926 | 14             | 0         | 0%        | 0           | 0%        |
| NE 161ST ST FROM 1ST AVE NE TO 3RD AVE NE      | 1825    | ST-624  | 27             | 13        | 48%       | 9           | 33%       |
| NE 161ST ST FROM 3RD AVE NE TO 5TH AVE NE      | 1826    | ST-510  | 28             | 14        | 50%       | 6           | 21%       |
| NE 162ND ST FROM 3RD AVE NE TO 5TH AVE NE      | 1828    | ST-256  | 31             | 20        | 65%       | 10          | 32%       |
| NE 162ND ST FROM 11TH AVE NE TO 12TH AVE NE    | 1830    | ST-791  | 17             | 0         | 0%        | 0           | 0%        |
| NE 162ND ST FROM 12TH AVE NE TO 14TH AVE NE    | 1831    | ST-1053 | 18             | 4         | 22%       | 1           | 6%        |
| NE 162ND ST FROM 14TH AVE NE TO 15TH AVE NE    | 1832    | ST-574  | 17             | 1         | 6%        | 1           | 6%        |
| NE 163RD ST FROM STREET END TO 5TH AVE NE      | 1845    | ST-670  | 47             | 15        | 32%       | 8           | 17%       |
| NE 164TH ST FROM STREET END TO 4TH AVE NE      | 1850    | ST-562  | 14             | 2         | 14%       | 1           | 7%        |
| NE 165TH ST FROM STREET END TO 3RD AVE NE      | 1862    | ST-1647 | 10             | 4         | 40%       | 3           | 30%       |
| NE 165TH ST FROM 3RD AVE NE TO 4TH AVE NE      | 1863    | ST-783  | 1              | 0         | 0%        | 0           | 0%        |
| NE 165TH ST FROM 4TH AVE NE TO 4TH AVE NE      | 53153   | ST-1649 | 1              | 0         | 0%        | 1           | 100%      |
| NE 165TH ST FROM 4TH AVE NE TO 5TH AVE NE      | 1864    | ST-2033 | 15             | 5         | 33%       | 14          | 93%       |
| NE 165TH PL FROM STREET END TO 3RD AVE NE      | 15898   | ST-911  | 6              | 2         | 33%       | 2           | 33%       |
| NE 166TH ST FROM 3RD AVE NE TO 3RD PL NE       | 1887    | ST-910  | 9              | 0         | 0%        | 0           | 0%        |
| NE 167TH ST FROM 3RD PL NE TO 5TH AVE NE       | 1904    | ST-405  | 19             | 7         | 37%       | 7           | 37%       |
| SUNNYSIDE AVE N FROM N 145TH ST TO STREET END  | 2826    | ST-1708 | 13             | 7         | 54%       | 6           | 46%       |
| WALLINGFORD AV N FROM N 145TH ST TO N 147TH ST | 2831    | ST-162  | 25             | 5         | 20%       | 4           | 16%       |
| WALLINGFORD AV N FROM N 147TH ST TO N 150TH ST | 2832    | ST-581  | 28             | 4         | 14%       | 2           | 7%        |
| WALLINGFORD AV N FROM N 150TH ST TO N 155TH ST | 2833    | ST-1978 | 50             | 13        | 26%       | 13          | 26%       |

| STREET SEGMENT NAME                            | COMPKEY | AssetID | INVENTORY |    |    |    | 3:30-6AM COUNTS |   |    |    | 3:30-6AM DEMAND |    |     |      | 10-11AM COUNTS |   |    |    | 10-11AM Demand |     |      |     |
|--|---------|---------|-----------|----|----|----|-----------------|---|----|----|-----------------|----|-----|------|----------------|---|----|----|----------------|-----|------|-----|
|  |         |         | N         | S  | W  | E  | N               | S | W  | E  | N               | S  | W   | E    | N              | S | W  | E  | N              | S   | W    | E   |
| 1ST AVE NE FROM N 145TH ST TO NE 146TH CT      | 1106    | ST-300  |           |    | 2  | 6  |                 |   | 0  | 0  |                 |    | 0%  | 0%   |                |   | 4  | 1  |                |     | 200% | 17% |
| 1ST AVE NE FROM NE 146TH CT TO N 147TH ST      | 58269   | ST-1707 |           |    | NP | 3  |                 |   | NP | 1  |                 |    | NP  | 33%  |                |   | NP | 2  |                |     | NP   | 67% |
| 1ST AVE NE FROM N 147TH ST TO N 148TH ST       | 1107    | ST-1947 |           |    | 7  | NP |                 |   | 2  | NP |                 |    | 29% | NP   |                |   | 0  | NP |                |     | 0%   | NP  |
| 1ST AVE NE FROM N 148TH ST TO N 149TH ST       | 1108    | ST-635  |           |    | 8  | NP |                 |   | 4  | NP |                 |    | 50% | NP   |                |   | 4  | NP |                |     | 50%  | NP  |
| 1ST AVE NE FROM N 149TH ST TO N 155TH ST       | 1109    | ST-834  |           |    | 52 | NP |                 |   | 0  | NP |                 |    | 0%  | NP   |                |   | 13 | NP |                |     | 25%  | NP  |
| 5TH AVE NE FROM NE 145TH ST TO 145TH ST I-5 RP | 1215    | ST-687  |           |    | NP | 5  |                 |   | NP | 1  |                 |    | NP  | 20%  |                |   | NP | 1  |                |     | NP   | 20% |
| 5TH AVE NE FROM 145TH ST I-5 RP TO NE 148TH ST | 52833   | ST-918  |           |    | 2  | 4  |                 |   | 0  | 2  |                 |    | 0%  | 50%  |                |   | 0  | 2  |                |     | 0%   | 50% |
| 5TH AVE NE FROM NE 148TH ST TO NE 148TH ST     | 1217    | ST-1498 |           |    | NP | NP |                 |   | NP | NP |                 |    | NP  | NP   |                |   | NP | NP |                |     | NP   | NP  |
| 5TH AVE NE FROM NE 148TH ST TO NE 149TH ST     | 1216    | ST-634  |           |    | 6  | 4  |                 |   | 1  | 0  |                 |    | 17% | 0%   |                |   | 1  | 0  |                |     | 17%  | 0%  |
| 5TH AVE NE FROM NE 149TH ST TO NE 151ST ST     | 1218    | ST-2369 |           |    | 5  | 5  |                 |   | 0  | 1  |                 |    | 0%  | 20%  |                |   | 0  | 0  |                |     | 0%   | 0%  |
| 5TH AVE NE FROM NE 151ST ST TO NE 152ND ST     | 1219    | ST-514  |           |    | 2  | 4  |                 |   | 0  | 2  |                 |    | 0%  | 50%  |                |   | 0  | 1  |                |     | 0%   | 25% |
| 5TH AVE NE FROM NE 152ND ST TO NE 152ND ST     | 1221    | ST-513  |           |    | NP | NP |                 |   | NP | NP |                 |    | NP  | NP   |                |   | NP | NP |                |     | NP   | NP  |
| 5TH AVE NE FROM NE 152ND ST TO NE 153RD ST     | 1220    | ST-807  |           |    | 7  | 6  |                 |   | 0  | 2  |                 |    | 0%  | 33%  |                |   | 1  | 1  |                |     | 14%  | 17% |
| 5TH AVE NE FROM NE 153RD ST TO NE 155TH ST     | 1222    | ST-2095 |           |    | NP | 4  |                 |   | NP | 1  |                 |    | NP  | 25%  |                |   | NP | 2  |                |     | NP   | 50% |
| 5TH AVE NE FROM NE 155TH ST TO NE 156TH ST     | 1223    | ST-2092 |           |    | NP | NP |                 |   | NP | NP |                 |    | NP  | NP   |                |   | NP | NP |                |     | NP   | NP  |
| 5TH AVE NE FROM NE 156TH ST TO NE 157TH ST     | 1224    | ST-2098 |           |    | NP | 1  |                 |   | NP | 2  |                 |    | NP  | 200% |                |   | NP | 0  |                |     | NP   | 0%  |
| 5TH AVE NE FROM NE 157TH ST TO NE 158TH ST     | 1225    | ST-1971 |           |    | NP | 7  |                 |   | NP | 0  |                 |    | NP  | 0%   |                |   | NP | 1  |                |     | NP   | 14% |
| 5TH AVE NE FROM NE 158TH ST TO NE 159TH ST     | 1226    | ST-2352 |           |    | NP | 4  |                 |   | NP | 2  |                 |    | NP  | 50%  |                |   | NP | 2  |                |     | NP   | 50% |
| 5TH AVE NE FROM NE 159TH ST TO NE 160TH ST     | 1227    | ST-2443 |           |    | NP | 2  |                 |   | NP | 0  |                 |    | NP  | 0%   |                |   | NP | 0  |                |     | NP   | 0%  |
| 5TH AVE NE FROM NE 160TH ST TO NE 161ST ST     | 1228    | ST-913  |           |    | NP | NP |                 |   | NP | NP |                 |    | NP  | NP   |                |   | NP | NP |                |     | NP   | NP  |
| 5TH AVE NE FROM NE 161ST ST TO NE 162ND ST     | 1229    | ST-1055 |           |    | 7  | NP |                 |   | 3  | NP |                 |    | 43% | NP   |                |   | 2  | NP |                |     | 29%  | NP  |
| 5TH AVE NE FROM NE 162ND ST TO NE 163RD ST     | 1230    | ST-1909 |           |    | 8  | NP |                 |   | 5  | NP |                 |    | 63% | NP   |                |   | 3  | NP |                |     | 38%  | NP  |
| 5TH AVE NE FROM NE 163RD ST TO NE 165TH ST     | 1231    | ST-1905 |           |    | NP | 4  |                 |   | NP | 0  |                 |    | NP  | 0%   |                |   | NP | 1  |                |     | NP   | 25% |
| 5TH AVE NE FROM NE 165TH ST TO NE 167TH ST     | 1232    | ST-2429 |           |    | 7  | 8  |                 |   | 0  | 7  |                 |    | 0%  | 88%  |                |   | 4  | 6  |                |     | 57%  | 75% |
| MERIDIAN AVE N FROM N 145TH ST TO N 147TH ST   | 2734    | ST-97   |           |    | 7  | 11 |                 |   | 0  | 0  |                 |    | 0%  | 0%   |                |   | 0  | 7  |                |     | 0%   | 64% |
| MERIDIAN AVE N FROM N 147TH ST TO N 148TH ST   | 2696    | ST-2366 |           |    | 2  | 9  |                 |   | 1  | 2  |                 |    | 50% | 22%  |                |   | 0  | 0  |                |     | 0%   | 0%  |
| MERIDIAN AVE N FROM N 148TH ST TO N 149TH LN   | 2697    | ST-2440 |           |    | 6  | 2  |                 |   | 1  | 1  |                 |    | 17% | 50%  |                |   | 0  | 0  |                |     | 0%   | 0%  |
| MERIDIAN AVE N FROM N 149TH LN TO N 150TH ST   | 52773   | ST-2413 |           |    | 1  | 3  |                 |   | 0  | 2  |                 |    | 0%  | 67%  |                |   | 0  | 2  |                |     | 0%   | 67% |
| MERIDIAN AVE N FROM N 150TH ST TO N 153RD ST   | 2698    | ST-1676 |           |    | 13 | 8  |                 |   | 0  | 2  |                 |    | 0%  | 25%  |                |   | 9  | 6  |                |     | 69%  | 75% |
| MERIDIAN AVE N FROM N 153RD PL TO N 154TH ST   | 2700    | ST-1973 |           |    | 2  | 2  |                 |   | 0  | 0  |                 |    | 0%  | 0%   |                |   | 0  | 1  |                |     | 0%   | 50% |
| MERIDIAN AVE N FROM N 153RD ST TO N 153RD PL   | 2699    | ST-1974 |           |    | NP | 1  |                 |   | NP | 0  |                 |    | NP  | 0%   |                |   | NP | 0  |                |     | NP   | 0%  |
| MERIDIAN AVE N FROM N 154TH ST TO N 154TH PL   | 2701    | ST-1246 |           |    | 2  | 4  |                 |   | 0  | 2  |                 |    | 0%  | 50%  |                |   | 0  | 1  |                |     | 0%   | 25% |
| MERIDIAN AVE N FROM N 154TH CT TO N 155TH ST   | 52775   | ST-151  |           |    | NP | 3  |                 |   | NP | 0  |                 |    | NP  | 0%   |                |   | NP | 0  |                |     | NP   | 0%  |
| NE 165TH ST FROM 5TH AVE NE TO 6TH AVE NE      | 1865    | ST-2446 | 7         | TL |    |    |                 | 0 | TL |    |                 | 0% |     |      |                | 2 | TL |    |                | 29% |      |     |

## Appendix B - Parking Survey Results - 185th Zone

| STREET SEGMENT NAME                              | COMPKEY | AssetID | Both Sides spc | 3:30am-6am | 3:30AM-6AM % | 10am-Noon # | Daytime % |
|--|---------|---------|----------------|------------|--------------|-------------|-----------|
| 10TH AVE NE FROM NE 170TH ST TO NE 171ST PL      | 1339    | ST-73   | 8              | 0          | 0%           | 0           | 0%        |
| 10TH AVE NE FROM NE 171ST PL TO NE 172ND PL      | 54775   | ST-1571 | 6              | 2          | 33%          | 1           | 17%       |
| 10TH AVE NE FROM NE 172ND PL TO NE 174TH ST      | 54776   | ST-1113 | 24             | 4          | 17%          | 3           | 13%       |
| 10TH AVE NE FROM NE 174TH ST TO NE 175TH ST      | 1340    | ST-1589 | 10             | 1          | 10%          | 2           | 20%       |
| 10TH AVE NE FROM NE 190TH ST TO NE PERKINS WY    | 1348    | ST-1765 | 2              | 2          | 100%         | 0           | 0%        |
| 10TH AVE NE FROM NE PERKINS WY TO NE 194TH ST    | 1349    | ST-1194 | 62             | 10         | 16%          | 6           | 10%       |
| 10TH AVE NE FROM NE 194TH ST TO NE 195TH ST      | 1350    | ST-1380 | 10             | 0          | 0%           | 1           | 10%       |
| 11TH AVE NE FROM NE 170TH ST TO NE 175TH ST      | 1366    | ST-519  | 35             | 26         | 74%          | 21          | 60%       |
| 11TH AVE NE FROM NE SERPENTINE PL TO NE 180TH ST | 1367    | ST-942  | 58             | 28         | 48%          | 17          | 29%       |
| 11TH AVE NE FROM NE 182ND ST TO NE 185TH ST      | 1368    | ST-900  | 33             | 31         | 94%          | 33          | 100%      |
| 11TH AVE NE FROM STREET END TO NE 190TH ST       | 1369    | ST-745  | 13             | 4          | 31%          | 6           | 46%       |
| 12TH AVE NE FROM NE 170TH ST TO NE 175TH ST      | 1383    | ST-858  | 44             | 54         | 123%         | 28          | 64%       |
| 12TH AVE NE FROM NE 175TH ST TO NE 177TH ST      | 1384    | ST-1214 | 24             | 32         | 133%         | 24          | 100%      |
| 12TH AVE NE FROM NE 177TH ST TO NE 180TH ST      | 1384    | ST-709  | 22             | 20         | 91%          | 18          | 82%       |
| 12TH AVE NE FROM NE 180TH ST TO NE 181ST PL      | 1385    | ST-2066 | 14             | 11         | 79%          | 8           | 57%       |
| 12TH AVE NE FROM NE 181ST PL TO NE 183RD ST      | 1385    | ST-2510 | 8              | 1          | 13%          | 0           | 0%        |
| 12TH AVE NE FROM NE 183RD ST TO NE 184TH ST      | 1386    | ST-1574 | 11             | 1          | 9%           | 0           | 0%        |
| 12TH AVE NE FROM NE 184TH ST TO NE 185TH ST      | 1387    | ST-851  | 8              | 1          | 13%          | 0           | 0%        |
| 12TH AVE NE FROM NE 187TH ST TO NE 188TH ST      | 1388    | ST-436  | 17             | 9          | 53%          | 6           | 35%       |
| 13TH AVE NE FROM 12TH PL NE TO STREET END        | 1405    | ST-2202 | 28             | 31         | 111%         | 19          | 68%       |
| 14TH AVE NE FROM NE 170TH ST TO STREET END       | 1418    | ST-249  | 27             | 23         | 85%          | 16          | 59%       |
| 14TH AVE NE FROM NE 185TH ST TO NE 187TH ST      | 1414    | ST-2153 | 5              | 2          | 40%          | 2           | 40%       |
| 15TH PL NE FROM 15TH AVE NE TO NE 184TH PL       | 15834   | ST-2362 | 8              | 1          | 13%          | 1           | 13%       |
| 1ST AVE NE FROM N 178TH ST TO N 179TH ST         | 1115    | ST-2069 | 12             | 3          | 25%          | 2           | 17%       |
| 1ST AVE NE FROM N 179TH ST TO N 180TH ST         | 1116    | ST-2050 | 10             | 4          | 40%          | 4           | 40%       |
| 1ST AVE NE FROM N 180TH ST TO N 185TH ST         | 1117    | ST-1191 | 34             | 12         | 35%          | 11          | 32%       |
| 2ND AVE NE FROM NE 180TH ST TO NE 185TH ST       | 1150    | ST-1575 | 49             | 12         | 24%          | 14          | 29%       |
| 2ND PL NE FROM STREET END TO NE 178TH ST         | 1164    | ST-1771 | 16             | 0          | 0%           | 2           | 13%       |
| 3RD AVE NE FROM NE 178TH ST TO STREET END        | 1178    | ST-453  | 11             | 1          | 9%           | 2           | 18%       |
| 3RD AVE NE FROM NE 180TH ST TO NE 185TH ST       | 1179    | ST-765  | 41             | 22         | 54%          | 25          | 61%       |
| 3RD AVE NE FROM NE 192ND ST TO NE 193RD ST       | 1181    | ST-427  | 10             | 1          | 10%          | 1           | 10%       |
| 7TH AVE NE FROM NE 180TH ST TO NE 183RD ST       | 1284    | ST-448  | 33             | 16         | 48%          | 12          | 36%       |
| 7TH AVE NE FROM NE 183RD ST TO STREET END        | 1285    | ST-231  | 1              | 4          | 400%         | 1           | 100%      |
| 7TH AVE NE FROM STREET END TO NE 195TH ST        | 1287    | ST-433  | 22             | 2          | 9%           | 0           | 0%        |
| 8TH AVE NE FROM NE SERPENTINE PL TO NE 179TH ST  | 1302    | ST-1968 | 17             | 4          | 24%          | 3           | 18%       |
| 8TH AVE NE FROM NE 179TH ST TO NE 180TH ST       | 53564   | ST-1611 | 10             | 0          | 0%           | 0           | 0%        |
| 8TH AVE NE FROM NE 180TH ST TO NE 183RD ST       | 1303    | ST-1865 | 47             | 7          | 15%          | 7           | 15%       |
| 8TH AVE NE FROM NE 183RD ST TO NE 185TH ST       | 1304    | ST-347  | 18             | 2          | 11%          | 0           | 0%        |
| 8TH AVE NE FROM NE 185TH ST TO NE 188TH ST       | 1305    | ST-229  | 18             | 6          | 33%          | 3           | 17%       |
| 8TH AVE NE FROM NE 188TH ST TO NE 189TH ST       | 1306    | ST-1848 | 16             | 5          | 31%          | 6           | 38%       |
| 8TH AVE NE FROM NE 189TH ST TO NE 190TH ST       | 1307    | ST-194  | 16             | 6          | 38%          | 5           | 31%       |
| 9TH AVE NE FROM NE 180TH ST TO NE 185TH ST       | 1327    | ST-1764 | 68             | 31         | 46%          | 19          | 28%       |
| BAGLEY PL N FROM N 183RD PL TO STREET END        | 2498    | ST-612  | 5              | 3          | 60%          | 1           | 20%       |
| BAGLEY PL N FROM N 187TH ST TO N 186TH ST        | 2499    | ST-435  | 2              | 1          | 50%          | 1           | 50%       |
| BAGLEY PL N FROM STREET END TO BAGLEY AVE N      | 2500    | ST-223  | 9              | 3          | 33%          | 5           | 56%       |
| BAGLEY AVE N FROM BAGLEY PL N TO STREET END      | 2494    | ST-1841 | 10             | 3          | 30%          | 3           | 30%       |
| BURKE AVE N FROM STREET END TO N 183RD ST        | 2509    | ST-1758 | 7              | 3          | 43%          | 6           | 86%       |
| BURKE AVE N FROM N 185TH ST TO N 189TH ST        | 2510    | ST-1623 | 35             | 6          | 17%          | 1           | 3%        |
| BURKE AVE N FROM N 189TH ST TO N 190TH ST        | 2511    | ST-2057 | 11             | 2          | 18%          | 1           | 9%        |
| CORLISS AVE N FROM N 180TH ST TO N 183RD PL      | 2536    | ST-1009 | 48             | 6          | 13%          | 9           | 19%       |
| CORLISS AVE N FROM N 183RD PL TO N 184TH ST      | 2537    | ST-492  | 11             | 3          | 27%          | 3           | 27%       |
| CORLISS AVE N FROM N 184TH ST TO N 185TH ST      | 53241   | ST-355  | 10             | 8          | 80%          | 8           | 80%       |
| CORLISS AVE N FROM N 186TH ST TO N 188TH ST      | 2538    | ST-1186 | 25             | 9          | 36%          | 9           | 36%       |
| CORLISS AVE N FROM N 188TH ST TO N 189TH ST      | 2539    | ST-1563 | 13             | 1          | 8%           | 1           | 8%        |
| CORLISS AVE N FROM N 189TH ST TO N 190TH ST      | 2539    | ST-2217 | 8              | 0          | 0%           | 0           | 0%        |
| CORLISS AVE N FROM N 190TH ST TO N 192ND ST      | 2540    | ST-1181 | 27             | 7          | 26%          | 5           | 19%       |
| CORLISS AVE N FROM N 192ND ST TO N 193RD ST      | 2541    | ST-1167 | 20             | 4          | 20%          | 3           | 15%       |
| DENSMORE AVE N FROM N 185TH ST TO N 188TH ST     | 2585    | ST-1850 | 31             | 8          | 26%          | 6           | 19%       |

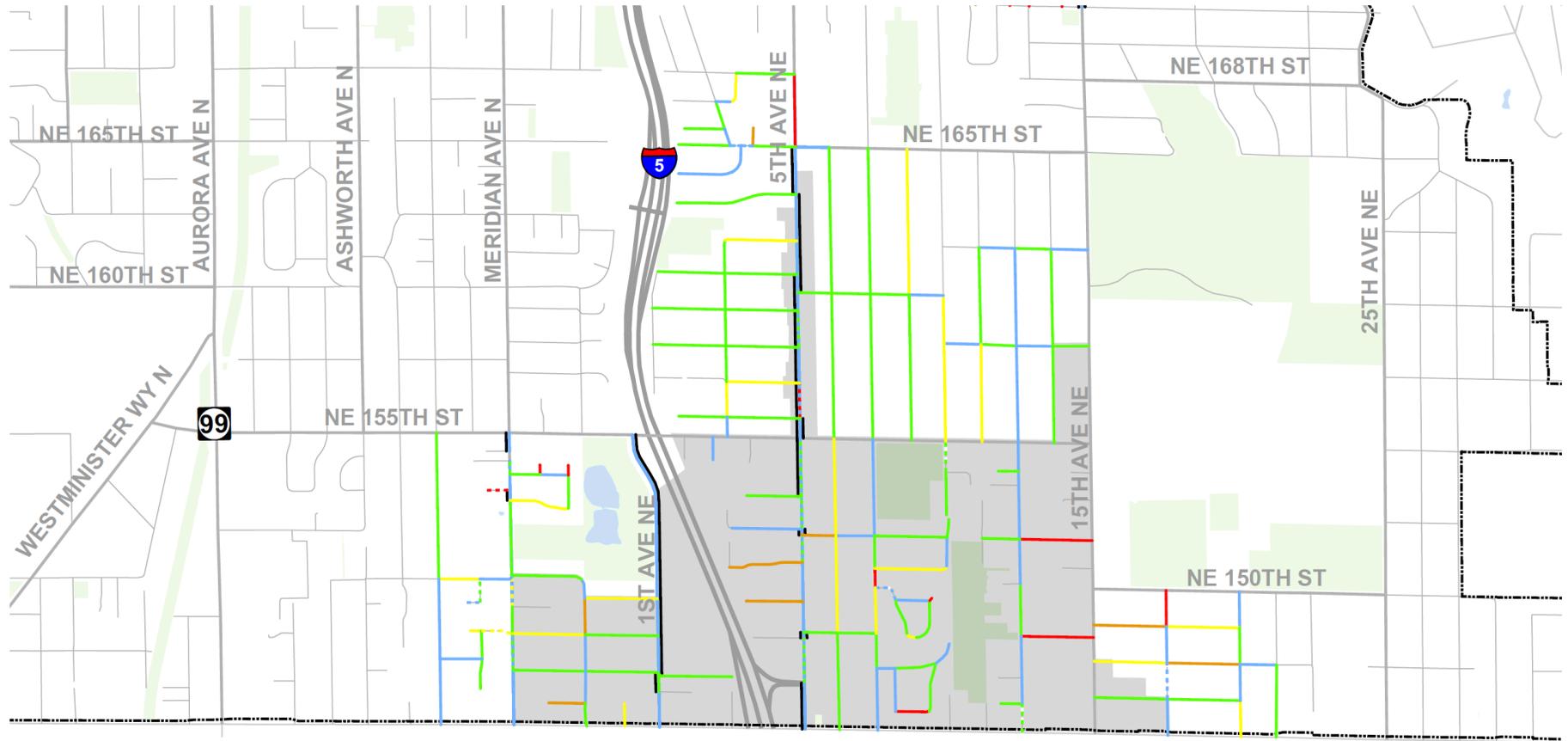
| STREET SEGMENT NAME                              | COMPKEY | AssetID | Both Sides spc | 3:30am-6am | 3:30AM-6AM % | 10am-Noon # | Daytime % |
|--|---------|---------|----------------|------------|--------------|-------------|-----------|
| DENSMORE AVE N FROM N 188TH ST TO STREET END     | 2586    | ST-848  | 10             | 5          | 50%          | 2           | 20%       |
| MIDVALE AVE N FROM N 185TH ST TO N 185TH CT      | 2743    | ST-924  | NP             | NP         | NP           | NP          | NP        |
| MIDVALE AVE N FROM N 185TH CT TO N 188TH ST      | 2743    | ST-348  | 16             | 7          | 44%          | 17          | 106%      |
| MIDVALE AVE N FROM N 188TH ST TO STREET END      | 2744    | ST-1391 | 14             | 6          | 43%          | 12          | 86%       |
| N 178TH ST FROM MERIDIAN AVE N TO CORLISS AVE N  | 2039    | ST-1630 | 24             | 3          | 13%          | 3           | 13%       |
| N 178TH ST FROM CORLISS AVE N TO SUNNYSIDE CT N  | 2040    | ST-35   | 5              | 2          | 40%          | 0           | 0%        |
| N 178TH ST FROM SUNNYSIDE CT N TO 1ST AVE NE     | 60083   | ST-1791 | 8              | 2          | 25%          | 2           | 25%       |
| N 179TH ST FROM MERIDIAN AVE N TO 1ST AVE NE     | 2049    | ST-906  | 54             | 14         | 26%          | 4           | 7%        |
| N 180TH ST FROM STONE AVE N TO ASHWORTH AVE N    | 2059    | ST-1005 | 16             | 1          | 6%           | 13          | 81%       |
| N 180TH ST FROM ASHWORTH AVE N TO WALLINGFORD    | 2060    | ST-1006 | 28             | 6          | 21%          | 5           | 18%       |
| N 180TH ST FROM WALLINGFORD AV N TO BURKE AVE N  | 2061    | ST-1760 | 8              | 2          | 25%          | 1           | 13%       |
| N 180TH ST FROM BURKE AVE N TO WAYNE AVE N       | 2062    | ST-1761 | 12             | 0          | 0%           | 0           | 0%        |
| N 180TH ST FROM WAYNE AVE N TO MERIDIAN AVE N    | 2063    | ST-444  | 7              | 0          | 0%           | 0           | 0%        |
| N 180TH ST FROM STREET END TO CORLISS AVE N      | 2064    | ST-399  | 7              | 4          | 57%          | 1           | 14%       |
| N 180TH ST FROM CORLISS AVE N TO SUNNYSIDE AVE N | 2065    | ST-1762 | 14             | 6          | 43%          | 4           | 29%       |
| N 180TH ST FROM SUNNYSIDE AVE N TO 1ST AVE NE    | 2066    | ST-1763 | 18             | 2          | 11%          | 2           | 11%       |
| N 183RD ST FROM MIDVALE AVE N TO STONE AVE N     | 2101    | ST-1114 | 21             | 17         | 81%          | 11          | 52%       |
| N 183RD ST FROM STONE AVE N TO ASHWORTH AVE N    | 2102    | ST-937  | 18             | 4          | 22%          | 3           | 17%       |
| N 183RD ST FROM ASHWORTH AVE N TO WALLINGFORD    | 2103    | ST-74   | 27             | 10         | 37%          | 8           | 30%       |
| N 183RD ST FROM WALLINGFORD AV N TO BURKE AVE N  | 2104    | ST-1572 | 10             | 3          | 30%          | 3           | 30%       |
| N 183RD ST FROM BURKE AVE N TO MERIDIAN AVE N    | 2105    | ST-939  | 15             | 10         | 67%          | 11          | 73%       |
| N 183RD PL FROM BAGLEY PL N TO CORLISS AVE N     | 2112    | ST-141  | 11             | 5          | 45%          | 5           | 45%       |
| N 186TH ST FROM BAGLEY PL N TO CORLISS AVE N     | 2156    | ST-753  | 11             | 5          | 45%          | 5           | 45%       |
| N 187TH ST FROM MERIDIAN AVE N TO BAGLEY PL N    | 2160    | ST-1396 | 10             | 2          | 20%          | 1           | 10%       |
| N 187TH ST FROM BAGLEY PL N TO STREET END        | 2161    | ST-1395 | 10             | 3          | 30%          | 1           | 10%       |
| N 188TH ST FROM MIDVALE AVE N TO STONE AVE N     | 2167    | ST-1844 | 6              | 4          | 67%          | 2           | 33%       |
| N 188TH ST FROM STONE AVE N TO ASHWORTH AVE N    | 2168    | ST-847  | 13             | 3          | 23%          | 2           | 15%       |
| N 188TH ST FROM DENSMORE AVE N TO WALLINGFORD    | 2169    | ST-1182 | 12             | 6          | 50%          | 5           | 42%       |
| N 188TH ST FROM STREET END TO CORLISS AVE N      | 2170    | ST-1846 | 5              | 1          | 20%          | 5           | 100%      |
| N 188TH ST FROM CORLISS AVE N TO 1ST AVE NE      | 2171    | ST-1845 | 28             | 1          | 4%           | 6           | 21%       |
| N 189TH ST FROM WALLINGFORD AV N TO BURKE AVE N  | 2179    | ST-1469 | 22             | 3          | 14%          | 4           | 18%       |
| N 190TH ST FROM ASHWORTH AVE N TO WALLINGFORD    | 2190    | ST-1180 | 17             | 9          | 53%          | 6           | 35%       |
| N 190TH ST FROM WALLINGFORD AV N TO BURKE AVE N  | 2191    | ST-196  | 19             | 7          | 37%          | 3           | 16%       |
| N 190TH ST FROM BURKE AVE N TO MERIDIAN AVE N    | 2192    | ST-1104 | 12             | 3          | 25%          | 3           | 25%       |
| N 190TH ST FROM MERIDIAN AVE N TO BAGLEY AVE N   | 2194    | ST-1467 | 6              | 2          | 33%          | 2           | 33%       |
| N 190TH ST FROM BAGLEY AVE N TO CORLISS AVE N    | 2193    | ST-127  | 14             | 0          | 0%           | 1           | 7%        |
| N 190TH ST FROM CORLISS AVE N TO STREET END      | 2196    | ST-1615 | 5              | 0          | 0%           | 1           | 20%       |
| N 190TH ST FROM SUNNYSIDE AVE N TO 1ST AVE NE    | 2197    | ST-1616 | 11             | 2          | 18%          | 1           | 9%        |
| N 191ST ST FROM STREET END TO STONE AVE N        | 2213    | ST-1465 | 2              | 3          | 150%         | 0           | 0%        |
| N 192ND ST FROM STONE AVE N TO ASHWORTH AVE N    | 2224    | ST-1459 | 23             | 3          | 13%          | 5           | 22%       |
| N 192ND ST FROM CORLISS AVE N TO 1ST AVE NE      | 2229    | ST-1096 | 28             | 5          | 18%          | 4           | 14%       |
| N 193RD ST FROM CORLISS AVE N TO 7TH AVE NE      | 2241    | ST-188  | 26             | 5          | 19%          | 5           | 19%       |
| NE 178TH ST FROM STREET END TO 2ND PL NE         | 15855   | ST-853  | NP             | NP         | NP           | NP          | NP        |
| NE 178TH ST FROM 2ND PL NE TO 3RD AVE NE         | 2041    | ST-454  | 2              | 1          | 50%          | 0           | 0%        |
| NE 178TH ST FROM 3RD AVE NE TO 5TH AVE NE        | 2042    | ST-854  | 10             | 2          | 20%          | 2           | 20%       |
| NE 180TH ST FROM 1ST AVE NE TO 2ND AVE NE        | 2067    | ST-1576 | 12             | 2          | 17%          | 0           | 0%        |
| NE 180TH ST FROM 2ND AVE NE TO 3RD AVE NE        | 2068    | ST-766  | 13             | 7          | 54%          | 5           | 38%       |
| NE 180TH ST FROM STREET END TO 5TH AVE NE        | 2069    | ST-1193 | 18             | 4          | 22%          | 3           | 17%       |
| NE 180TH ST FROM 5TH AVE NE TO 7TH AVE NE        | 2070    | ST-1577 | 18             | 6          | 33%          | 4           | 22%       |
| NE 180TH ST FROM 7TH AVE NE TO 8TH AVE NE        | 2071    | ST-1866 | 11             | 0          | 0%           | 0           | 0%        |
| NE 180TH ST FROM 8TH AVE NE TO 9TH AVE NE        | 2072    | ST-1011 | 11             | 4          | 36%          | 4           | 36%       |
| NE 180TH ST FROM 9TH AVE NE TO 10TH AVE NE       | 2073    | ST-1404 | 16             | 3          | 19%          | 3           | 19%       |
| NE 181ST PL FROM 12TH AVE NE TO STREET END       | 15826   | ST-401  | 5              | 4          | 80%          | 3           | 60%       |
| NE 182ND ST FROM 10TH AVE NE TO 11TH AVE NE      | 2092    | ST-400  | 12             | 7          | 58%          | 4           | 33%       |
| NE 183RD ST FROM 7TH AVE NE TO 8TH AVE NE        | 2106    | ST-142  | 6              | 0          | 0%           | 0           | 0%        |
| NE 183RD ST FROM 12TH AVE NE TO STREET END       | 2107    | ST-1756 | 12             | 3          | 25%          | 2           | 17%       |
| NE 184TH ST FROM 12TH AVE NE TO STREET END       | 15813   | ST-1189 | 12             | 3          | 25%          | 3           | 25%       |
| NE 184TH PL FROM STREET END TO 15TH PL NE        | 15811   | ST-1988 | 11             | 7          | 64%          | 3           | 27%       |

| STREET SEGMENT NAME                              | COMPKEY | AssetID | Both Sides spc | 3:30am-6am | 3:30AM-6AM % | 10am-Noon # | Daytime % |
|--|---------|---------|----------------|------------|--------------|-------------|-----------|
| NE 185TH ST FROM 10TH AVE NE TO 11TH AVE NE      | 2142    | ST-352  | 6              | 1          | 17%          | 1           | 17%       |
| NE 185TH ST FROM 11TH AVE NE TO 12TH AVE NE      | 2143    | ST-353  | 10             | 1          | 10%          | 1           | 10%       |
| NE 185TH ST FROM 12TH AVE NE TO 14TH AVE NE      | 2144    | ST-759  | 17             | 7          | 41%          | 6           | 35%       |
| NE 187TH ST FROM NE 188TH ST TO 12TH AVE NE      | 2162    | ST-1112 | 23             | 8          | 35%          | 7           | 30%       |
| NE 187TH ST FROM 12TH AVE NE TO 14TH AVE NE      | 16709   | ST-1215 | 11             | 8          | 73%          | 5           | 45%       |
| NE 188TH ST FROM 8TH AVE NE TO 10TH AVE NE       | 2172    | ST-1108 | 41             | 19         | 46%          | 18          | 44%       |
| NE 188TH ST FROM 10TH AVE NE TO NE 187TH ST      | 2173    | ST-133  | 2              | 0          | 0%           | 0           | 0%        |
| NE 188TH ST FROM NE 187TH ST TO 12TH AVE NE      | 2175    | ST-1394 | 11             | 3          | 27%          | 2           | 18%       |
| NE 188TH ST FROM 12TH AVE NE TO 15TH AVE NE      | 2174    | ST-434  | 18             | 12         | 67%          | 5           | 28%       |
| NE 189TH ST FROM 5TH AVE NE TO STREET END        | 2180    | ST-1390 | 3              | 2          | 67%          | 2           | 67%       |
| NE 189TH ST FROM STREET END TO 8TH AVE NE        | 2181    | ST-195  | 8              | 0          | 0%           | 6           | 75%       |
| NE 189TH ST FROM 8TH AVE NE TO 10TH AVE NE       | 2182    | ST-1392 | 33             | 9          | 27%          | 4           | 12%       |
| NE 189TH CT FROM STREET END TO 5TH AVE NE        | 2187    | ST-192  | 6              | 3          | 50%          | 0           | 0%        |
| NE 190TH ST FROM 8TH AVE NE TO 10TH AVE NE       | 2199    | ST-2061 | 45             | 11         | 24%          | 19          | 42%       |
| NE 190TH ST FROM 10TH AVE NE TO 11TH AVE NE      | 2200    | ST-197  | 26             | 1          | 4%           | 1           | 4%        |
| NE 190TH PL FROM STREET END TO 5TH AVE NE        | 2211    | ST-1177 | 5              | 0          | 0%           | 0           | 0%        |
| NE 191ST ST FROM 3RD AVE NE TO STREET END        | 2214    | ST-1102 | 5              | 3          | 60%          | 1           | 20%       |
| NE 192ND ST FROM 3RD AVE NE TO 5TH AVE NE        | 2230    | ST-1747 | 28             | 6          | 21%          | 3           | 11%       |
| NE 193RD ST FROM 1ST AVE NE TO 3RD AVE NE        | 2242    | ST-334  | 34             | 6          | 18%          | 1           | 3%        |
| NE 193RD ST FROM 3RD AVE NE TO 5TH AVE NE        | 2243    | ST-190  | 35             | 9          | 26%          | 4           | 11%       |
| NE 194TH ST FROM STREET END TO 10TH AVE NE       | 2256    | ST-1455 | 22             | 11         | 50%          | 6           | 27%       |
| NE 195TH ST FROM 5TH AVE NE TO 7TH AVE NE        | 2274    | ST-2259 | 8              | 2          | 25%          | 0           | 0%        |
| NE 195TH ST FROM 7TH AVE NE TO STREET END        | 2275    | ST-217  | 4              | 8          | 200%         | 5           | 125%      |
| NE 195TH ST FROM STREET END TO 10TH AVE NE       | 2276    | ST-2123 | 8              | 6          | 75%          | 0           | 0%        |
| NE SERPENTINE PL FROM NE 175TH ST TO 5TH AVE NE  | 2798    | ST-2285 | 15             | 11         | 73%          | 4           | 27%       |
| NE SERPENTINE PL FROM 5TH AVE NE TO 7TH AVE NE   | 2799    | ST-1701 | 12             | 0          | 0%           | 1           | 8%        |
| NE SERPENTINE PL FROM 7TH AVE NE TO 8TH AVE NE   | 55490   | ST-1786 | 9              | 3          | 33%          | 1           | 11%       |
| NE SERPENTINE PL FROM 8TH AVE NE TO 8TH LN NE    | 2800    | ST-1414 | 11             | 1          | 9%           | 0           | 0%        |
| NE SERPENTINE PL FROM 8TH LN NE TO 9TH CT NE     | 55491   | ST-173  | 5              | 1          | 20%          | 1           | 20%       |
| NE SERPENTINE PL FROM 9TH CT NE TO 10TH AVE NE   | 55492   | ST-1702 | 6              | 2          | 33%          | 2           | 33%       |
| NE SERPENTINE PL FROM 10TH AVE NE TO 11TH AVE NE | 2801    | ST-1284 | 14             | 11         | 79%          | 9           | 64%       |
| NE SERPENTINE PL FROM 11TH AVE NE TO STREET END  | 2802    | ST-2102 | 6              | 17         | 283%         | 9           | 150%      |
| STONE AVE N FROM N 180TH ST TO N 182ND PL        | 2821    | ST-2175 | 17             | 6          | 35%          | 8           | 47%       |
| STONE AVE N FROM N 182ND PL TO N 183RD ST        | 2821    | ST-244  | 15             | 4          | 27%          | 2           | 13%       |
| STONE AVE N FROM N 183RD ST TO N 184TH CT        | 2822    | ST-883  | 16             | 6          | 38%          | 8           | 50%       |
| STONE AVE N FROM N 184TH CT TO N 185TH ST        | 54326   | ST-1700 | 6              | 2          | 33%          | 0           | 0%        |
| STONE AVE N FROM N 185TH ST TO N 188TH ST        | 2823    | ST-289  | 29             | 8          | 28%          | 7           | 24%       |
| STONE AVE N FROM N 188TH ST TO N 191ST ST        | 2824    | ST-224  | 24             | 3          | 13%          | 1           | 4%        |
| STONE AVE N FROM N 191ST ST TO N 192ND ST        | 2825    | ST-1464 | 11             | 11         | 100%         | 7           | 64%       |
| SUNNYSIDE AVE N FROM N 180TH ST TO STREET END    | 2829    | ST-447  | 32             | 11         | 34%          | 9           | 28%       |
| SUNNYSIDE AVE N FROM N 190TH ST TO STREET END    | 2830    | ST-1843 | 7              | 0          | 0%           | 2           | 29%       |
| WALLINGFORD AV N FROM N 180TH ST TO N 181ST ST   | 2842    | ST-105  | 8              | 1          | 13%          | 1           | 13%       |
| WALLINGFORD AV N FROM N 181ST ST TO N 183RD ST   | 53755   | ST-705  | 18             | 9          | 50%          | 6           | 33%       |
| WALLINGFORD AV N FROM N 183RD ST TO N 185TH ST   | 2843    | ST-2128 | 19             | 8          | 42%          | 10          | 53%       |
| WALLINGFORD AV N FROM N 185TH ST TO N 188TH ST   | 2844    | ST-1851 | 37             | 9          | 24%          | 8           | 22%       |
| WALLINGFORD AV N FROM N 188TH ST TO N 189TH ST   | 2845    | ST-2078 | 4              | 0          | 0%           | 3           | 75%       |
| WALLINGFORD AV N FROM N 189TH ST TO N 190TH ST   | 2846    | ST-2056 | 17             | 8          | 47%          | 11          | 65%       |
| WAYNE AVE N FROM N 180TH ST TO STREET END        | 2859    | ST-1400 | 5              | 2          | 40%          | 1           | 20%       |

| STREET SEGMENT NAME                              | COMPKEY | AssetID | INVENTORY |     |    |   | 3:30-6AM COUNTS |     |    |   | 3:30-6AM DEMAND |      |      |   | 10-11AM COUNTS |     |    |   | 10-11AM Demand |     |      |   |
|--|---------|---------|-----------|-----|----|---|-----------------|-----|----|---|-----------------|------|------|---|----------------|-----|----|---|----------------|-----|------|---|
|  |         |         | N         | S   | W  | E | N               | S   | W  | E | N               | S    | W    | E | N              | S   | W  | E | N              | S   | W    | E |
| 10TH AVE NE FROM NE 175TH ST TO NE SERPENTINE PL | 1341    | ST-1025 |           | 4   | 3  |   |                 | 0   | 0  |   |                 | 0%   | 0%   |   |                | 0   | 1  |   |                | 0%  | 33%  |   |
| 10TH AVE NE FROM NE SERPENTINE PL TO NE 177TH PL | 1342    | ST-1876 |           | 6   | 8  |   |                 | 0   | 5  |   |                 | 0%   | 63%  |   |                | 0   | 0  |   |                | 0%  | 0%   |   |
| 10TH AVE NE FROM NE 177TH PL TO NE 178TH PL      | 53093   | ST-771  |           | NP  | 2  |   |                 | NP  | 1  |   |                 | NP   | 50%  |   |                | NP  | 1  |   |                | NP  | 50%  |   |
| 10TH AVE NE FROM NE 178TH PL TO NE 180TH ST      | 53094   | ST-1411 |           | 7   | 3  |   |                 | 0   | 2  |   |                 | 0%   | 67%  |   |                | 0   | 0  |   |                | 0%  | 0%   |   |
| 10TH AVE NE FROM NE 180TH ST TO NE 182ND ST      | 1343    | ST-1403 |           | 9   | 5  |   |                 | 1   | 3  |   |                 | 11%  | 60%  |   |                | 1   | 2  |   |                | 11% | 40%  |   |
| 10TH AVE NE FROM NE 182ND ST TO NE 185TH ST      | 1344    | ST-2483 |           | 17  | 8  |   |                 | 2   | 1  |   |                 | 12%  | 13%  |   |                | 5   | 2  |   |                | 29% | 25%  |   |
| 10TH AVE NE FROM NE 185TH ST TO NE 188TH ST      | 1345    | ST-230  |           | 6   | 15 |   |                 | 0   | 2  |   |                 | 0%   | 13%  |   |                | 0   | 1  |   |                | 0%  | 7%   |   |
| 10TH AVE NE FROM NE 188TH ST TO NE 189TH ST      | 1346    | ST-936  |           | NP  | 7  |   |                 | NP  | 3  |   |                 | NP   | 43%  |   |                | 0   | 1  |   |                | NP  | 14%  |   |
| 10TH AVE NE FROM NE 189TH ST TO NE 190TH ST      | 1347    | ST-746  |           | NP  | 5  |   |                 | NP  | 5  |   |                 | NP   | 100% |   |                | 0   | 2  |   |                | NP  | 40%  |   |
| 15TH AVE NE FROM NE 170TH ST TO NE 171ST ST      | 1444    | ST-1032 |           | NP  | NP |   |                 | NP  | NP |   |                 | NP   | NP   |   |                | NP  | NP |   |                | NP  | NP   |   |
| 15TH AVE NE FROM NE 171ST ST TO NE 172ND ST      | 1445    | ST-1777 |           | NP  | NP |   |                 | NP  | NP |   |                 | NP   | NP   |   |                | NP  | NP |   |                | NP  | NP   |   |
| 15TH AVE NE FROM NE 172ND ST TO NE 175TH ST      | 1446    | ST-1290 |           | NP  | 6  |   |                 | NP  | 0  |   |                 | NP   | 0%   |   |                | NP  | 0  |   |                | NP  | 0%   |   |
| 15TH AVE NE FROM NE 175TH ST TO NE 177TH ST      | 1447    | ST-1633 |           | TL  | 2  |   |                 | TL  | 2  |   |                 | TL   | 100% |   |                | TL  | 2  |   |                | TL  | 100% |   |
| 15TH AVE NE FROM NE 177TH ST TO NE 179TH ST      | 1448    | ST-143  |           | TL  | 4  |   |                 | TL  | 4  |   |                 | TL   | 100% |   |                | TL  | 4  |   |                | TL  | 100% |   |
| 15TH AVE NE FROM NE 179TH ST TO NE 180TH ST      | 52741   | ST-829  |           | lul | TL |   |                 | lul | TL |   |                 | lul  | TL   |   |                | lul | TL |   |                | lul | TL   |   |
| 15TH AVE NE FROM NE 180TH ST TO 15TH PL NE       | 1449    | ST-1077 |           | NP  | 2  |   |                 | NP  | 3  |   |                 | NP   | 150% |   |                | NP  | 2  |   |                | NP  | 100% |   |
| 15TH AVE NE FROM 15TH PL NE TO 24TH AVE NE       | 1427    | ST-828  |           | NP  | NP |   |                 | NP  | NP |   |                 | NP   | NP   |   |                | NP  | NP |   |                | NP  | NP   |   |
| 15TH AVE NE FROM 24TH AVE NE TO NE 188TH ST      | 1428    | ST-106  |           | NP  | NP |   |                 | NP  | NP |   |                 | NP   | NP   |   |                | NP  | NP |   |                | NP  | NP   |   |
| 15TH AVE NE FROM NE 188TH ST TO NE PERKINS WY    | 1450    | ST-1749 |           | NP  | NP |   |                 | NP  | NP |   |                 | NP   | NP   |   |                | NP  | NP |   |                | NP  | NP   |   |
| 1ST AVE NE FROM N 185TH ST TO N 187TH ST         | 1118    | ST-2379 |           | NP  | NP |   |                 | NP  | NP |   |                 | NP   | NP   |   |                | NP  | NP |   |                | NP  | NP   |   |
| 1ST AVE NE FROM N 187TH ST TO N 188TH ST         | 1119    | ST-646  |           | NP  | NP |   |                 | NP  | NP |   |                 | NP   | NP   |   |                | NP  | NP |   |                | NP  | NP   |   |
| 1ST AVE NE FROM N 188TH ST TO N 190TH ST         | 1120    | ST-2076 |           | NP  | NP |   |                 | NP  | NP |   |                 | NP   | NP   |   |                | NP  | NP |   |                | NP  | NP   |   |
| 1ST AVE NE FROM N 190TH ST TO N 190TH CT         | 1121    | ST-222  |           | NP  | NP |   |                 | NP  | NP |   |                 | NP   | NP   |   |                | NP  | NP |   |                | NP  | NP   |   |
| 1ST AVE NE FROM N 190TH CT TO N 192ND ST         | 1122    | ST-1386 |           | NP  | NP |   |                 | NP  | NP |   |                 | NP   | NP   |   |                | NP  | NP |   |                | NP  | NP   |   |
| 1ST AVE NE FROM N 192ND ST TO N 193RD ST         | 1123    | ST-2330 |           | 2   | NP |   |                 | 1   | NP |   |                 | 50%  | NP   |   |                | 1   | NP |   |                | 50% | NP   |   |
| 5TH AVE NE FROM NE SERPENTINE PL TO NE 178TH ST  | 1237    | ST-2405 |           | 1   | 4  |   |                 | 0   | 0  |   |                 | 0%   | 0%   |   |                | 0   | 0  |   |                | 0%  | 0%   |   |
| 5TH AVE NE FROM NE 178TH ST TO NE 178TH PL       | 1238    | ST-615  |           | 2   | 4  |   |                 | 0   | 0  |   |                 | 0%   | 0%   |   |                | 0   | 1  |   |                | 0%  | 25%  |   |
| 5TH AVE NE FROM NE 178TH PL TO NE 179TH PL       | 52826   | ST-1870 |           | 5   | 4  |   |                 | 0   | 1  |   |                 | 0%   | 25%  |   |                | 0   | 2  |   |                | 0%  | 50%  |   |
| 5TH AVE NE FROM NE 179TH PL TO NE 180TH ST       | 52826   | ST-1354 |           | 2   | 4  |   |                 | 2   | 0  |   |                 | 100% | 0%   |   |                | 0   | 0  |   |                | 0%  | 0%   |   |
| 5TH AVE NE FROM NE 180TH ST TO NE 182ND CT       | 1239    | ST-1192 |           | 3   | 9  |   |                 | 0   | 2  |   |                 | 0%   | 22%  |   |                | 0   | 0  |   |                | 0%  | 0%   |   |
| 5TH AVE NE FROM NE 182ND CT TO NE 183RD CT       | 52771   | ST-205  |           | NP  | NP |   |                 | NP  | NP |   |                 | NP   | NP   |   |                | NP  | NP |   |                | NP  | NP   |   |
| 5TH AVE NE FROM NE 183RD CT TO 7TH AVE NE        | 52772   | ST-2482 |           | NP  | NP |   |                 | NP  | NP |   |                 | NP   | NP   |   |                | NP  | NP |   |                | NP  | NP   |   |
| 5TH AVE NE FROM NE 185TH ST TO NE 189TH ST       | 1240    | ST-2090 |           | NP  | 10 |   |                 | NP  | 3  |   |                 | NP   | 30%  |   |                | 0   | 4  |   |                | NP  | 40%  |   |
| 5TH AVE NE FROM NE 189TH ST TO NE 189TH CT       | 1241    | ST-1389 |           | NP  | 2  |   |                 | NP  | 1  |   |                 | NP   | 50%  |   |                | 0   | 1  |   |                | NP  | 50%  |   |
| 5TH AVE NE FROM NE 189TH CT TO NE 190TH ST       | 1242    | ST-191  |           | 2   | NP |   |                 | 1   | NP |   |                 | 50%  | NP   |   |                | 0   | NP |   |                | 0%  | NP   |   |
| 5TH AVE NE FROM NE 190TH ST TO NE 190TH PL       | 1243    | ST-2331 |           | NP  | 8  |   |                 | NP  | 0  |   |                 | NP   | 0%   |   |                | NP  | 0  |   |                | NP  | 0%   |   |
| 5TH AVE NE FROM NE 190TH PL TO NE 192ND ST       | 1244    | ST-1463 |           | NP  | 1  |   |                 | NP  | 0  |   |                 | NP   | 0%   |   |                | NP  | 0  |   |                | NP  | 0%   |   |
| 5TH AVE NE FROM NE 192ND ST TO NE 193RD ST       | 1245    | ST-2455 |           | NP  | 5  |   |                 | NP  | 4  |   |                 | NP   | 80%  |   |                | NP  | 5  |   |                | NP  | 100% |   |
| 5TH AVE NE FROM NE 193RD ST TO NE 195TH ST       | 1246    | ST-1458 |           | 1   | 5  |   |                 | 0   | 2  |   |                 | 0%   | 40%  |   |                | 0   | 3  |   |                | 0%  | 60%  |   |
| ASHWORTH AVE N FROM N 180TH ST TO N 183RD ST     | 2460    | ST-504  |           | NP  | NP |   |                 | NP  | NP |   |                 | NP   | NP   |   |                | NP  | NP |   |                | NP  | NP   |   |
| ASHWORTH AVE N FROM N 183RD ST TO N 185TH ST     | 2461    | ST-232  |           | 6   | 2  |   |                 | 1   | 0  |   |                 | 17%  | 0%   |   |                | 0   | 0  |   |                | 0%  | 0%   |   |
| ASHWORTH AVE N FROM N 185TH ST TO N 188TH ST     | 2462    | ST-1621 |           | 12  | 2  |   |                 | 0   | 1  |   |                 | 0%   | 50%  |   |                | 3   | 2  |   |                | 25% | 100% |   |
| ASHWORTH AVE N FROM N 188TH ST TO N 190TH ST     | 2463    | ST-2077 |           | 13  | 4  |   |                 | 1   | 1  |   |                 | 8%   | 25%  |   |                | 3   | 2  |   |                | 23% | 50%  |   |
| ASHWORTH AVE N FROM N 190TH ST TO N 192ND ST     | 2464    | ST-125  |           | 8   | 4  |   |                 | 1   | 3  |   |                 | 13%  | 75%  |   |                | 2   | 1  |   |                | 25% | 25%  |   |
| MERIDIAN AVE N FROM N 178TH ST TO N 179TH ST     | 2717    | ST-1768 |           | 10  | 6  |   |                 | 0   | 0  |   |                 | 0%   | 0%   |   |                | 0   | 1  |   |                | 0%  | 17%  |   |
| MERIDIAN AVE N FROM N 179TH ST TO N 180TH ST     | 2718    | ST-904  |           | 9   | 12 |   |                 | 0   | 0  |   |                 | 0%   | 0%   |   |                | 4   | 1  |   |                | 44% | 8%   |   |
| MERIDIAN AVE N FROM N 180TH ST TO N 183RD ST     | 2719    | ST-398  |           | 17  | 21 |   |                 | 0   | 0  |   |                 | 0%   | 0%   |   |                | 2   | 0  |   |                | 12% | 0%   |   |
| MERIDIAN AVE N FROM N 183RD ST TO N 184TH ST     | 2720    | ST-135  |           | 2   | 2  |   |                 | 0   | 0  |   |                 | 0%   | 0%   |   |                | 0   | 0  |   |                | 0%  | 0%   |   |

| STREET SEGMENT NAME                           | COMPKEY | AssetID | INVENTORY |    |    |    | 3:30-6AM COUNTS |    |    |    | 3:30-6AM DEMAND |   |      |      | 10-11AM COUNTS |   |    |    | 10-11AM Demand |   |      |     |
|---|---------|---------|-----------|----|----|----|-----------------|----|----|----|-----------------|---|------|------|----------------|---|----|----|----------------|---|------|-----|
|   |         |         | N         | S  | W  | E  | N               | S  | W  | E  | N               | S | W    | E    | N              | S | W  | E  | N              | S | W    | E   |
| MERIDIAN AVE N FROM N 184TH ST TO N 184TH PL  | 52778   | ST-341  |           |    | NP | NP |                 |    | NP | NP |                 |   | NP   | NP   |                |   | NP | NP |                |   | NP   | NP  |
| MERIDIAN AVE N FROM N 184TH PL TO N 185TH ST  | 52779   | ST-203  |           |    | 6  | NP |                 |    | 0  | NP |                 |   | 0%   | NP   |                |   | 0  | NP |                |   | 0%   | NP  |
| MERIDIAN AVE N FROM N 185TH ST TO N 187TH ST  | 2721    | ST-1852 |           |    | 3  | 3  |                 |    | 1  | 0  |                 |   | 33%  | 0%   |                |   | 0  | 1  |                |   | 0%   | 33% |
| MERIDIAN AVE N FROM N 187TH ST TO N 188TH ST  | 2722    | ST-647  |           |    | 3  | 2  |                 |    | 3  | 0  |                 |   | 100% | 0%   |                |   | 1  | 0  |                |   | 33%  | 0%  |
| MERIDIAN AVE N FROM N 188TH ST TO N 189TH ST  | 52780   | ST-790  |           |    | 2  | 7  |                 |    | 1  | 0  |                 |   | 50%  | 0%   |                |   | 0  | 1  |                |   | 0%   | 14% |
| MERIDIAN AVE N FROM N 189TH ST TO N 190TH ST  | 54168   | ST-659  |           |    | 9  | 7  |                 |    | 0  | 3  |                 |   | 0%   | 43%  |                |   | 0  | 2  |                |   | 0%   | 29% |
| NE 175TH ST FROM 12TH AVE NE TO 15TH AVE NE   | 1998    | ST-2052 | 6         | NP |    |    |                 | 6  | NP |    |                 |   | 100% | NP   |                |   | 6  | NP |                |   | 100% | NP  |
| NE 180TH ST FROM 10TH AVE NE TO 11TH AVE NE   | 2074    | ST-2325 | 3         | 6  |    |    |                 | 3  | 1  |    |                 |   | 100% | 17%  |                |   | 2  | 1  |                |   | 67%  | 17% |
| NE 180TH ST FROM 11TH AVE NE TO 12TH AVE NE   | 2075    | ST-450  | 5         | 6  |    |    |                 | 6  | 6  |    |                 |   | 120% | 100% |                |   | 5  | 2  |                |   | 100% | 33% |
| NE 180TH ST FROM 12TH AVE NE TO 14TH AVE NE   | 2076    | ST-1867 | NP        | 9  |    |    |                 | NP | 6  |    |                 |   | NP   | 67%  |                |   | NP | 3  |                |   | NP   | 33% |
| NE 180TH ST FROM 14TH AVE NE TO 15TH AVE NE   | 2077    | ST-768  | 1         | 11 |    |    |                 | 1  | 11 |    |                 |   | 100% | 100% |                |   | 4  | 9  |                |   | 400% | 82% |
| NE 185TH ST FROM 2ND AVE NE TO 3RD AVE NE     | 2136    | ST-978  | NP        | 6  |    |    |                 | NP | 2  |    |                 |   | NP   | 33%  |                |   | NP | 2  |                |   | NP   | 33% |
| NE 185TH ST FROM 3RD AVE NE TO 5TH AVE NE     | 2137    | ST-501  | NP        | 8  |    |    |                 | NP | 6  |    |                 |   | NP   | 75%  |                |   | NP | 4  |                |   | NP   | 50% |
| NE 185TH ST FROM 5TH AVE NE TO 5TH AVE NE     | 2138    | ST-672  | NP        | 17 |    |    |                 | NP | 0  |    |                 |   | NP   | 0%   |                |   | NP | 0  |                |   | NP   | 0%  |
| NE 185TH ST FROM 5TH AVE NE TO 8TH AVE NE     | 2139    | ST-758  | NP        | 5  |    |    |                 | NP | 0  |    |                 |   | NP   | 0%   |                |   | NP | 0  |                |   | NP   | 0%  |
| NE 185TH ST FROM 8TH AVE NE TO 9TH AVE NE     | 2140    | ST-1854 | NP        | 11 |    |    |                 | NP | 0  |    |                 |   | NP   | 0%   |                |   | NP | 0  |                |   | NP   | 0%  |
| NE 185TH ST FROM 9TH AVE NE TO 10TH AVE NE    | 2141    | ST-1855 | NP        | 6  |    |    |                 | NP | 0  |    |                 |   | NP   | 0%   |                |   | NP | 1  |                |   | NP   | 17% |
| NE PERKINS WY FROM 10TH AVE NE TO 11TH AVE NE | 2768    | ST-2328 | NP        | 2  |    |    |                 | NP | 0  |    |                 |   | NP   | 0%   |                |   | NP | 0  |                |   | NP   | 0%  |
| NE PERKINS WY FROM 11TH AVE NE TO 12TH AVE NE | 2769    | ST-2332 | NP        | NP |    |    |                 | NP | NP |    |                 |   | NP   | NP   |                |   | NP | NP |                |   | NP   | NP  |
| NE PERKINS WY FROM 12TH AVE NE TO 15TH AVE NE | 2770    | ST-1471 | NP        | 12 |    |    |                 | NP | 6  |    |                 |   | NP   | 50%  |                |   | NP | 3  |                |   | NP   | 25% |

Appendix C – Parking Utilization Maps



Geographic Information System

Parking Utilization  
Shoreline South Station Area  
Early AM Demand

Parking Utilization

- Up to 25%
- 25% to 50%
- 50% to 70%
- 70% to 85%
- Greater than 85%
- Parking Prohibited

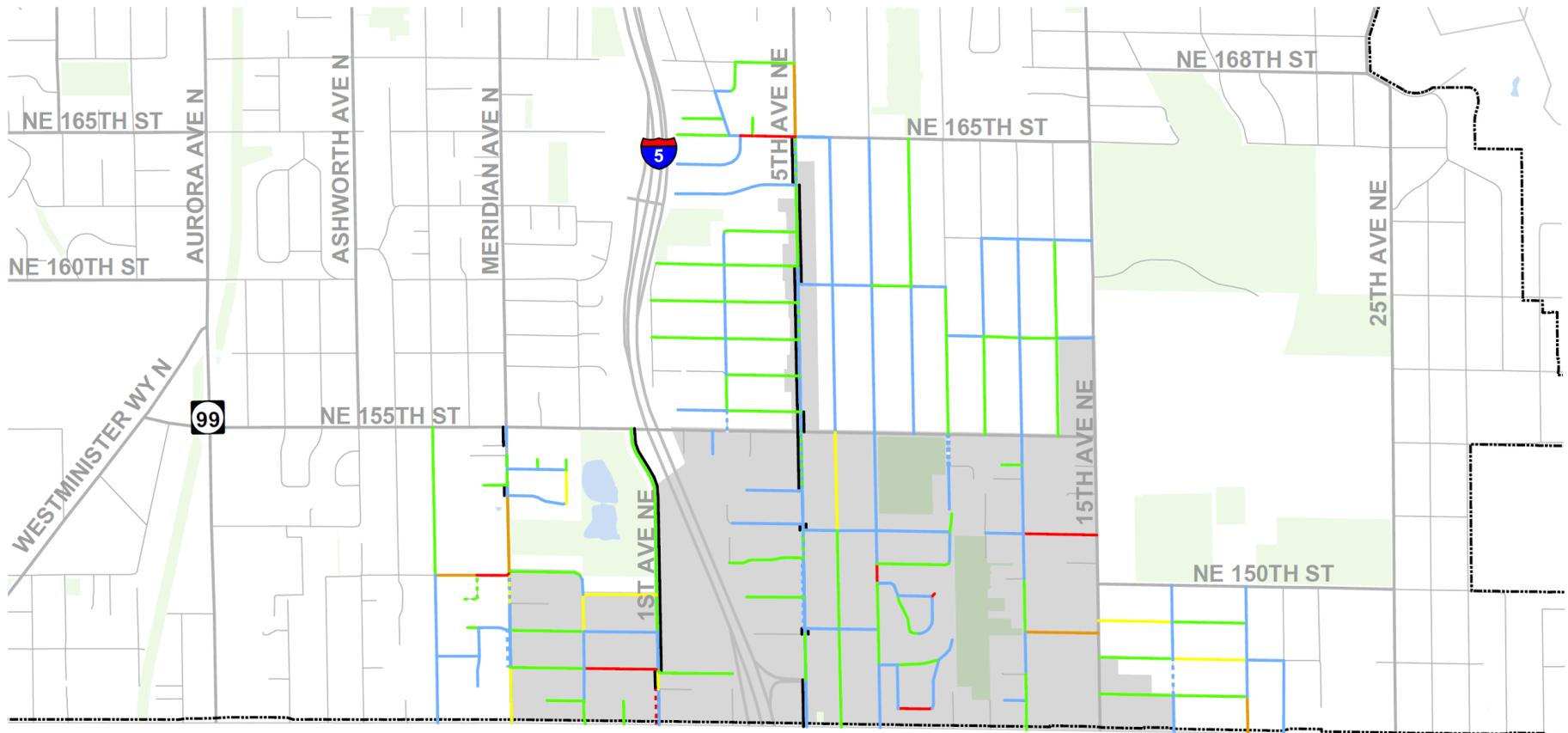
Dashed lines represent roads with a car capacity of 5 or less

Note: Some high demand streets have low capacity parking and/or overparking



0 250 500 1,000 Feet

This map is not an official map. No warranty is made concerning the accuracy, currency, or completeness of data depicted on this map.



Geographic Information System

Parking Utilization  
Shoreline South Station Area  
Late AM Demand

**Parking Utilization**

- Up to 25%
- 25% to 50%
- 50% to 70%
- 70% to 85%
- Greater than 85%
- Parking Prohibited

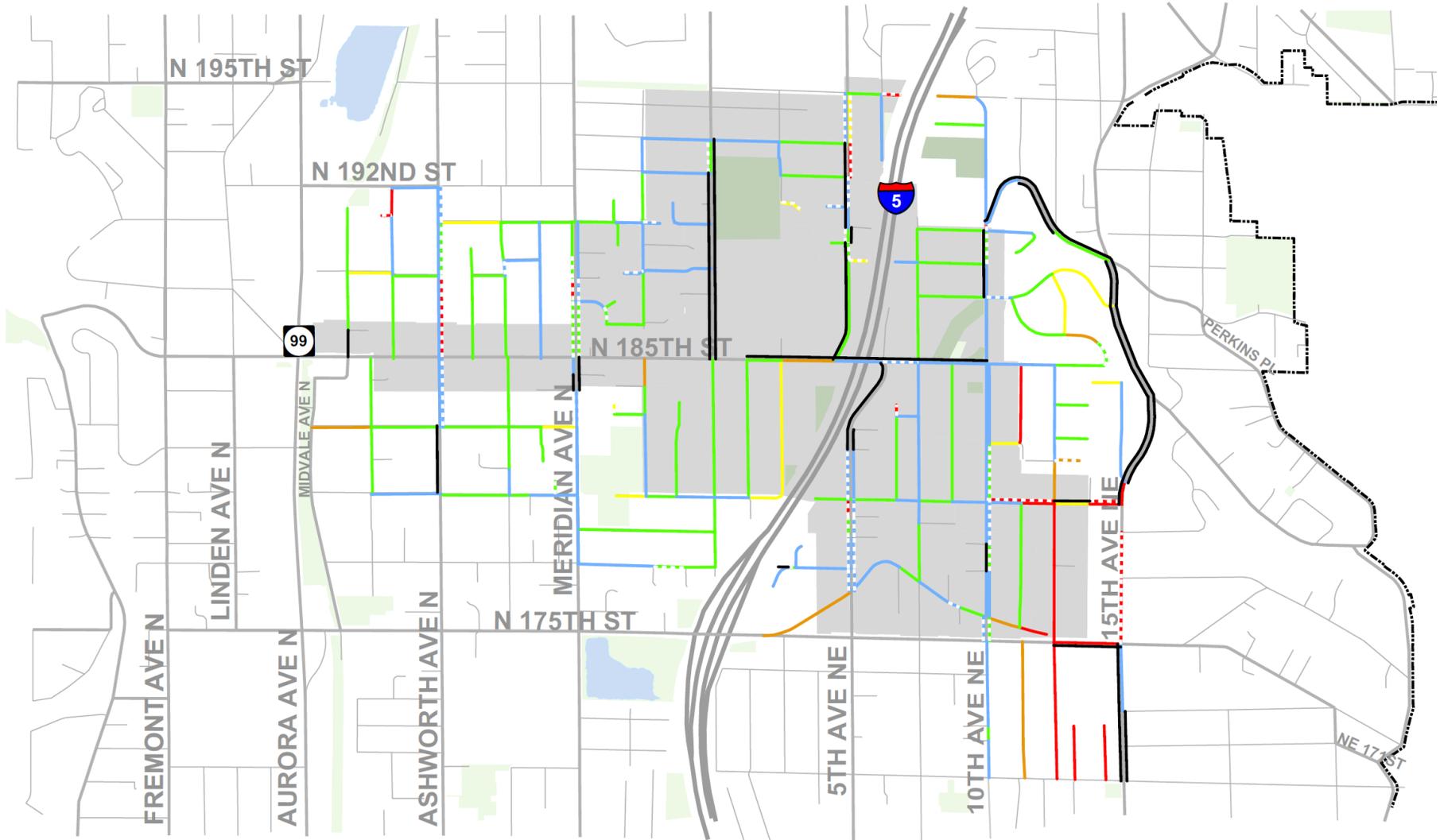
Dashed lines represent roads with a car capacity of 5 or less

Note: Some high demand streets have low capacity parking and/or overparking



0 250 500 1,000 Feet

This map is not an official map. No warranty is made concerning the accuracy, currency, or completeness of data depicted on this map.



Geographic Information System

Parking Utilization  
Shoreline North Station Area  
Early AM Demand

Parking Utilization

- Up to 25%
- 25% to 50%
- 50% to 70%
- 70% to 85%
- Greater than 85%
- Parking Prohibited

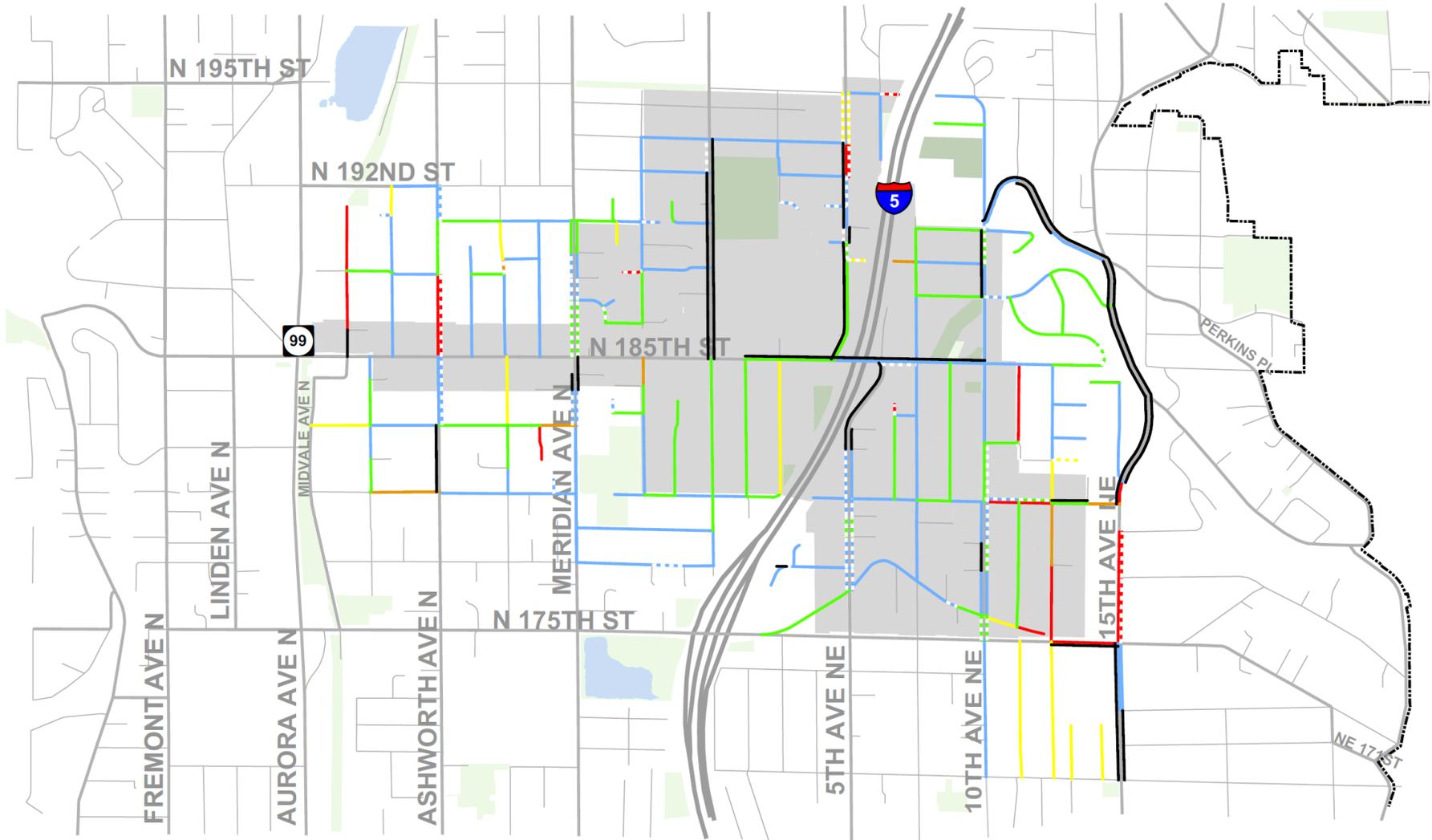
Dashed lines represent roads with a car capacity of 5 or less

Note: Some high demand streets have low capacity parking and/or overparking



0 250 500 1,000 Feet

This map is not an official map. No warranty is made concerning the accuracy, currency, or completeness of data depicted on this map.



Parking Utilization  
Shoreline North Station Area  
Late AM Demand

**Parking Utilization**

- Up to 25%
- 25% to 50%
- 50% to 70%
- 70% to 85%
- Greater than 85%
- Parking Prohibited

Dashed lines represent roads with a car capacity of 5 or less

Note: Some high demand streets have low capacity parking and/or overparking

This map is not an official map. No warranty is made concerning the accuracy, currency, or completeness of data depicted on this map.



0 250 500 1,000 Feet

## Appendix D – Street Segments with Utilization over 70%

| 145th Subarea |  | # Spaces | # Parked | 4AM-6AM %    | # Parked | Daytime % |
|---------------|--|----------|----------|--------------|----------|-----------|
| 1             | 8TH AVE NE FROM NE 150TH ST TO NE 151ST ST       | 7        | 7        | 100%         | 6        | 86%       |
| 2             | NE 146TH ST FROM 9TH AVE NE TO 9TH PL NE         | 7        | 7        | 100%         | 6        | 86%       |
| 3             | NE 152ND ST FROM 12TH AVE NE TO 15TH AVE NE      | 18       | 18       | 100%         | 16       | 89%       |
| 4             | NE 148TH ST FROM 12TH AVE NE TO 15TH AVE NE      | 24       | 21       | 88%          | 19       | 79%       |
| 5             | 17TH AVE NE FROM NE 148TH ST TO NE 150TH ST      | 7        | 6        | 86%          | 1        | 14%       |
| 6             | NE 147TH ST FROM 17TH AVE NE TO 20TH AVE NE      | 20       | 17       | 85%          | 14       | 70%       |
| 7             | CORLISS AVE N FROM N 148TH ST TO N 149TH ST      | 12       | 10       | 83%          | 7        | 58%       |
| 8             | NE 151ST ST FROM 3RD AVE NE TO 5TH AVE NE        | 24       | 19       | 79%          | 12       | 50%       |
| 9             | N 146TH ST FROM STREET END TO CORLISS AVE N      | 13       | 10       | 77%          | 5        | 38%       |
| 10            | NE 149TH ST FROM STREET END TO 5TH AVE NE        | 25       | 19       | 76%          | 12       | 48%       |
| 11            | NE 152ND ST FROM 5TH AVE NE TO 6TH AVE NE        | 8        | 6        | 75%          | 1        | 13%       |
| 12            | NE 148TH ST FROM 15TH AVE NE TO 17TH AVE NE      | 34       | 25       | 74%          | 23       | 68%       |
| 13            | 4TH AVE NE FROM NE 165TH ST TO STREET END        | 7        | 5        | 71%          | 3        | 43%       |
| 14            | NE 165TH ST FROM 4TH AVE NE TO 5TH AVE NE        | 15       | 5        | 33%          | 14       | 93%       |
| 15            | N 147TH ST FROM CORLISS AVE N TO 1ST AVE NE      | 30       | 7        | 23%          | 28       | 93%       |
| 16            | N 150TH ST FROM BURKE AVE N TO MERIDIAN AVE N    | 12       | 0        | 0%           | 11       | 92%       |
| 17            | 20TH AVE NE FROM NE 145TH ST TO NE 146TH ST      | 6        | 4        | 67%          | 5        | 83%       |
| 18            | N 150TH ST FROM WALLINGFORD AV N TO BURKE AVE    | 8        | 5        | 63%          | 6        | 75%       |
| 185th Subarea |  | # Spaces | # Parked | 3:30AM-6AM % | # Parked | Daytime % |
| 1             | NE SERPENTINE PL FROM 11TH AVE NE TO STREET END  | 6        | 17       | 283%         | 9        | 150%      |
| 2             | 12TH AVE NE FROM NE 175TH ST TO NE 177TH ST      | 24       | 32       | 133%         | 24       | 100%      |
| 3             | 12TH AVE NE FROM NE 170TH ST TO NE 175TH ST      | 44       | 54       | 123%         | 28       | 64%       |
| 4             | 13TH AVE NE FROM 12TH PL NE TO STREET END        | 28       | 31       | 111%         | 19       | 68%       |
| 5             | STONE AVE N FROM N 191ST ST TO N 192ND ST        | 11       | 11       | 100%         | 7        | 64%       |
| 6             | 11TH AVE NE FROM NE 182ND ST TO NE 185TH ST      | 33       | 31       | 94%          | 33       | 100%      |
| 7             | 12TH AVE NE FROM NE 177TH ST TO NE 180TH ST      | 22       | 20       | 91%          | 18       | 82%       |
| 8             | 14TH AVE NE FROM NE 170TH ST TO STREET END       | 27       | 23       | 85%          | 16       | 59%       |
| 9             | N 183RD ST FROM MIDVALE AVE N TO STONE AVE N     | 21       | 17       | 81%          | 11       | 52%       |
| 10            | CORLISS AVE N FROM N 184TH ST TO N 185TH ST      | 10       | 8        | 80%          | 8        | 80%       |
| 11            | NE SERPENTINE PL FROM 10TH AVE NE TO 11TH AVE NE | 14       | 11       | 79%          | 9        | 64%       |
| 12            | 12TH AVE NE FROM NE 180TH ST TO NE 181ST PL      | 14       | 11       | 79%          | 8        | 57%       |
| 13            | NE 195TH ST FROM STREET END TO 10TH AVE NE       | 8        | 6        | 75%          | 0        | 0%        |
| 14            | 11TH AVE NE FROM NE 170TH ST TO NE 175TH ST      | 35       | 26       | 74%          | 21       | 60%       |
| 15            | NE SERPENTINE PL FROM NE 175TH ST TO 5TH AVE NE  | 15       | 11       | 73%          | 4        | 27%       |
| 16            | NE 187TH ST FROM 12TH AVE NE TO 14TH AVE NE      | 11       | 8        | 73%          | 5        | 45%       |
| 17            | MIDVALE AVE N FROM N 185TH CT TO N 188TH ST      | 16       | 7        | 44%          | 17       | 106%      |
| 18            | BURKE AVE N FROM STREET END TO N 183RD ST        | 7        | 3        | 43%          | 6        | 86%       |
| 19            | MIDVALE AVE N FROM N 188TH ST TO STREET END      | 14       | 6        | 43%          | 12       | 86%       |
| 20            | N 180TH ST FROM STONE AVE N TO ASHWORTH AVE N    | 16       | 1        | 6%           | 13       | 81%       |
| 21            | NE 189TH ST FROM STREET END TO 8TH AVE NE        | 8        | 0        | 0%           | 6        | 75%       |
| 22            | N 183RD ST FROM BURKE AVE N TO MERIDIAN AVE N    | 15       | 10       | 67%          | 11       | 73%       |
| 23            | NE 175TH ST FROM 12TH AVE NE TO 15TH AVE NE      | 6        | 6        | 100%         | 6        | 100%      |
| 24            | NE 180TH ST FROM 11TH AVE NE TO 12TH AVE NE      | 11       | 12       | 109%         | 7        | 64%       |
| 25            | NE 180TH ST FROM 14TH AVE NE TO 15TH AVE NE      | 12       | 12       | 100%         | 13       | 108%      |
| 26            | NE 185TH ST FROM 3RD AVE NE TO 5TH AVE NE        | 8        | 6        | 75%          | 4        | 50%       |

Note: Arterial street utilization was summarized for the segment for this table - Appendix B splits out spaces and utilization by side of street, as does the map in Appendix C.

Appendix E – Parking Demand Projection Assumptions

| 185th Subarea  | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031  | 2032  | 2033  | 2034  | 2035  |
|--|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|
| Households <sup>1</sup>  | 3314 | 3326 | 3465 | 3604 | 3742 | 3881 | 4020 | 4159 | 4298 | 4436 | 4575 | 4714 | 4853  | 4992  | 5130  | 5269  | 5408  |
| Estimated Total Parking Demand - Conservative Car Ownership <sup>2</sup>     | 6628 | 6652 | 6930 | 7207 | 7485 | 7762 | 8040 | 8318 | 8595 | 8873 | 9150 | 9428 | 9706  | 9983  | 10261 | 10538 | 10816 |
| Estimated Total Parking Demand - Reduced Car Ownership <sup>3</sup>          |      |      |      |      |      |      |      |      |      |      |      | 9345 | 9539  | 9733  | 9928  | 10122 | 10316 |
| Estimated On Site Parking Available <sup>4</sup>                             | 5531 | 5542 | 5672 | 5803 | 5933 | 6030 | 6127 | 6224 | 6321 | 6418 | 6516 | 6613 | 6710  | 6807  | 6904  | 7001  | 7099  |
| Estimated On Street Parking Demand - Conservative Car Ownership <sup>5</sup> | 1097 | 1110 | 1257 | 1405 | 1552 | 1733 | 1913 | 2093 | 2274 | 2454 | 2635 | 2815 | 2996  | 3176  | 3357  | 3537  | 3717  |
| Estimated On Street Parking Demand - Reduced Car Ownership <sup>6</sup>      |      |      |      |      |      |      |      |      |      |      |      | 2732 | 2829  | 2926  | 3023  | 3121  | 3218  |
| Estimated On Street Parking Utilization - Conservative Car Ownershi          | 34%  | 34%  | 39%  | 44%  | 48%  | 54%  | 59%  | 65%  | 70%  | 76%  | 82%  | 87%  | 93%   | 98%   | 104%  | 110%  | 115%  |
| Estimated On Street Parking Utilization - Reduced Car Ownership <sup>7</sup> |      |      |      |      |      |      |      |      |      |      |      | 85%  | 88%   | 91%   | 94%   | 97%   | 100%  |
| 145th Subarea  | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031  | 2032  | 2033  | 2034  | 2035  |
| Households <sup>1</sup>  | 3467 | 3480 | 3627 | 3774 | 3921 | 4068 | 4215 | 4362 | 4509 | 4656 | 4803 | 4950 | 5097  | 5244  | 5391  | 5538  | 5685  |
| Estimated Total Parking Demand - Conservative Car Ownership <sup>2</sup>     | 6934 | 6960 | 7254 | 7548 | 7842 | 8136 | 8430 | 8724 | 9018 | 9312 | 9606 | 9900 | 10194 | 10488 | 10782 | 11076 | 11370 |
| Estimated Total Parking Demand - Reduced Car Ownership <sup>3</sup>          |      |      |      |      |      |      |      |      |      |      |      | 9812 | 10018 | 10223 | 10429 | 10635 | 10841 |
| Estimated On Site Parking Available <sup>4</sup>                             | 5748 | 5760 | 5898 | 6036 | 6174 | 6277 | 6379 | 6482 | 6585 | 6688 | 6791 | 6894 | 6997  | 7100  | 7203  | 7306  | 7408  |
| Estimated On Street Parking Demand - Conservative Car Ownership <sup>5</sup> | 1186 | 1200 | 1356 | 1512 | 1668 | 1859 | 2051 | 2242 | 2433 | 2624 | 2815 | 3006 | 3197  | 3388  | 3579  | 3770  | 3962  |
| Estimated On Street Parking Demand - Reduced Car Ownership <sup>6</sup>      |      |      |      |      |      |      |      |      |      |      |      | 2918 | 3021  | 3124  | 3227  | 3329  | 3432  |
| Estimated On Street Parking Utilization - Conservative Car Ownershi          | 35%  | 35%  | 39%  | 44%  | 49%  | 54%  | 60%  | 65%  | 71%  | 76%  | 82%  | 88%  | 93%   | 99%   | 104%  | 110%  | 115%  |
| Estimated On Street Parking Utilization - Reduced Car Ownership <sup>8</sup> |      |      |      |      |      |      |      |      |      |      |      | 85%  | 88%   | 91%   | 94%   | 97%   | 100%  |

<sup>1</sup> See "Study Area Household Growth Assumptions" table below  
<sup>2</sup> Based on continued average car ownership of 2 cars/household  
<sup>3</sup> Based on 1.4 cars per new household starting in 2030  
<sup>4</sup> Based on existing conditions and accounting for an average of .9375 stalls per unit until 2024, reducing by 25% in 2024 and subsequent years  
<sup>5</sup> Based on existing conditions, accounting for 2 cars/household  
<sup>6</sup> Based on existing conditions, accounting for 1.4 cars/household starting in 2030  
<sup>7</sup> Estimated conservative demand divided by on street capacity  
<sup>8</sup> Estimated reduced car ownership demand divided by on street capacity

| Study Area Household Growth Assumptions            | 145 <sup>th</sup> Subarea | 185 <sup>th</sup> Subarea |
|--|---------------------------|---------------------------|
| 2014 Households <sup>1</sup>                       | 3467                      | 3310                      |
| 2019 Households <sup>2</sup>                       | 3467                      | 3317                      |
| 2020 Households <sup>3</sup>                       | 3476                      | 3418                      |
| 2035 Household Threshold <sup>4</sup>              | 5681                      | 5500                      |
| Households added per year (assuming linear growth) | 147                       | 138.8                     |

<sup>1</sup> From 145th/185th Subarea Final Environmental Impact Statements.  
<sup>2</sup> 2014 household baseline + net new households added by permits finalized through 12/31/2018  
<sup>3</sup> 2019 households + net new households added by permits finalized between 1/1/2019 and 12/31/2019.  
<sup>4</sup> Based on upper threshold for household growth shown in Table 3.2-13 from 145<sup>th</sup>/185<sup>th</sup> Subarea Final Environmental Impact Statements.

| Study Area On Street Parking Capacity Assumptions | Number of on-street parking spaces (2019) | Number of on-street parking spaces (2020) |
|---|---|---|
| 145 <sup>th</sup> Study Area                      | 3434                                      | 3399                                      |
| 185 <sup>th</sup> Study Area                      | 3227                                      | 3221                                      |