APPENDIX B4

Segment A – AM Existing Vissim Report

GREAT PLACES SW Corridor

MEMORANDUM

DATE: September 10, 2019

TO: Scott Robertson, PE; TriMet
Anthony Buczek, PE, PTOE; Metro

FROM: Randy Johnson, PE, PTOE
Aaron Berger, PE (WA)
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SUBJECT: TriMet SW Corridor FEIS - Segment A - AM model P# 17158-003
AM Existing Conditions Data Collection Summary and Vissim Model Calibration and Results Memorandum

This memorandum documents the development and calibration of the existing year 2018 weekday AM Vissim microsimulation model for the TriMet SW Corridor FEIS project. This memorandum also documents the performance measures reported from the existing year Vissim model. The existing conditions calibrated model will be used as the basis for future year microsimulation models to support the traffic analysis to be conducted as part of the Final Environmental Impact Statement (FEIS).

The Methods and Assumptions memorandum[1] documented the details of model development that were assumed going into this task. This memorandum documents additional assumptions made and parameters that were changed during calibration.

Project Description

The project evaluates the transportation impacts (and other environmental issues) associated with the Future No-Build and Future Build Light Rail alternatives for 2035. Because the study area is so large and sometimes spans between different jurisdictions, this project was divided into the following three segments for evaluation of alignment alternatives, station access projects, and other segment-related options:

- Segment A: Inner Portland
- Segment B: Outer Portland
- Segment C: Tigard and Tualatin

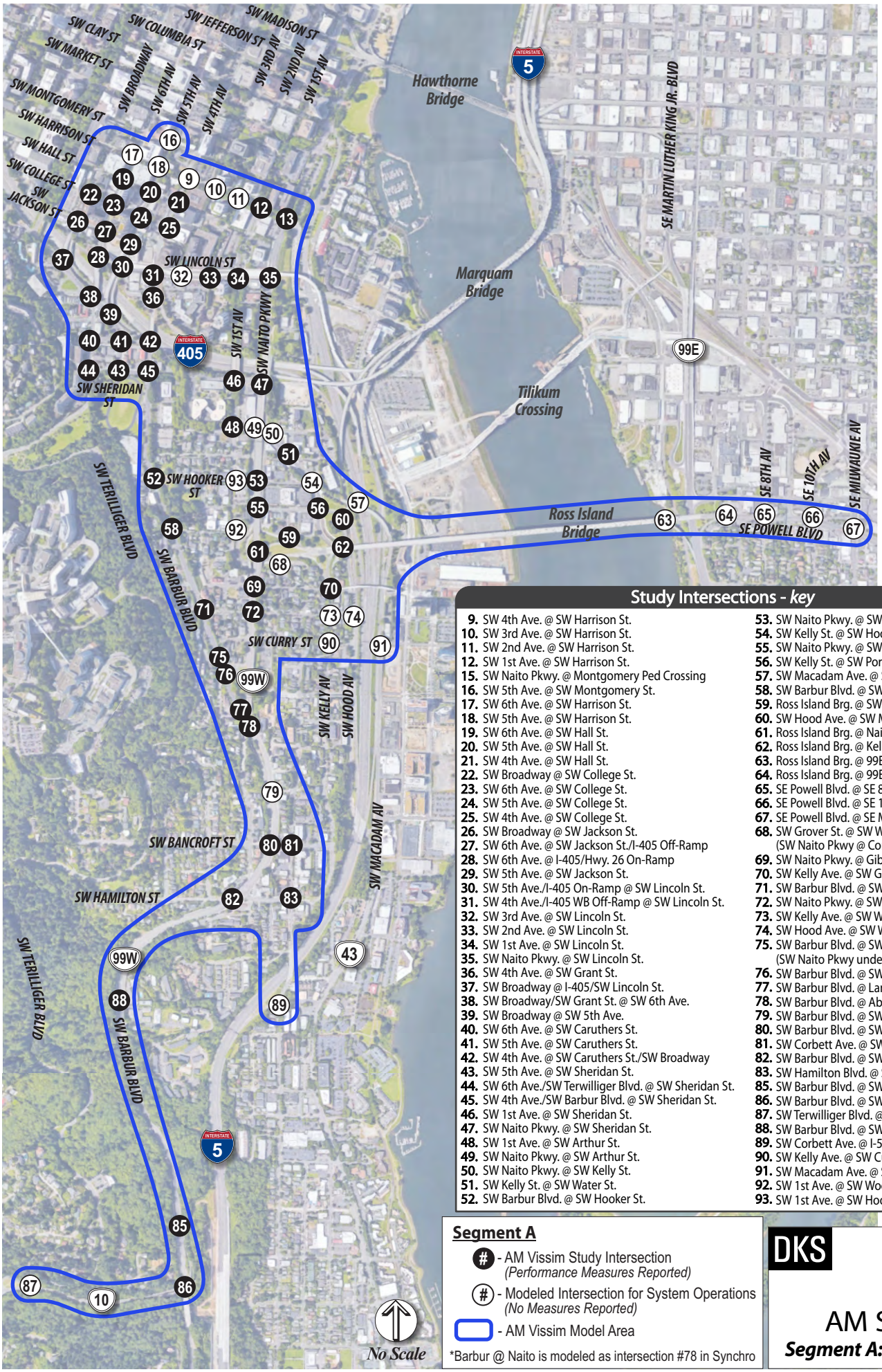
[1] SWC Segment A Transportation Analysis Methods, January 2019, DKS Associates.

The transit alternatives address the impacts of various options for track alignment and station locations as well as related station access projects, bridgehead reconfigurations, and O&M facility sites within each of these three segments. This memo is focusing on the Existing Condition of Segment A – AM period.

During the DEIS phase of the project, two AM Vissim models were built to test localized LRT impacts at key locations. One model focused on the LRT crossing impacts to downtown intersections. This "Downtown" model only included intersections north of I-405. The other "Hamilton" model focused on the SW Barbur Blvd and SW Hamilton Street intersection and extended no further than SW Naito Parkway on SW Barbur Boulevard, and no further than the Ross Island Bridge on SW Naito Parkway. Neither of these models addressed the SW 4th Avenue tie-in area or captured the impacts of the I-405 NB On-Ramp at SW 6th Avenue to northbound AM traffic on SW Barbur Boulevard. This analysis will include the area covered by both previous models, plus additional network from the DEIS PM Vissim model. The Vissim model will be used to test the impacts of different LRT alignment options at the SW 4th Avenue tie-in, as well as further alignment refinements as the project continues into the FEIS phase.

Segment A Study Area and Model Area

The Vissim model area is shown in Figure 1. Segment A includes a total of 83 signalized and unsignalized intersections, plus several sink-source driveways. Performance measures (delays and queuing) were reported for major signalized and un-signalized intersections. This memorandum focuses on the Existing AM study intersections and model area (outlined in blue) shown in Figure 1. Note that many of the intersections included in the model are not study intersections. These intersections (shown with a white background in Figure 1) were included in the model due to their influence on arrival patters, lane utilization, and queuing at study intersections with reported performance measures. Performance measures for modeled intersections (non-study intersections) were not reported.



Study Intersections - *key*

9. SW 4th Ave. @ SW Harrison St.
10. SW 3rd Ave. @ SW Harrison St.
11. SW 2nd Ave. @ SW Harrison St.
12. SW 1st Ave. @ SW Harrison St.
15. SW Naito Pkwy. @ Montgomery Ped Crossing
16. SW 5th Ave. @ SW Montgomery St.
17. SW 6th Ave. @ SW Harrison St.
18. SW 5th Ave. @ SW Harrison St.
19. SW 6th Ave. @ SW Hall St.
20. SW 5th Ave. @ SW Hall St.
21. SW 4th Ave. @ SW Hall St.
22. SW Broadway @ SW College St.
23. SW 6th Ave. @ SW College St.
24. SW 5th Ave. @ SW College St.
25. SW 4th Ave. @ SW College St.
26. SW Broadway @ SW Jackson St.
27. SW 6th Ave. @ SW Jackson St./I-405 Off-Ramp
28. SW 6th Ave. @ I-405/Hwy. 26 On-Ramp
29. SW 5th Ave. @ SW Jackson St.
30. SW 5th Ave./I-405 On-Ramp @ SW Lincoln St.
31. SW 4th Ave./I-405 WB Off-Ramp @ SW Lincoln St.
32. SW 3rd Ave. @ SW Lincoln St.
33. SW 2nd Ave. @ SW Lincoln St.
34. SW 1st Ave. @ SW Lincoln St.
35. SW Naito Pkwy. @ SW Lincoln St.
36. SW 4th Ave. @ SW Grant St.
37. SW Broadway @ I-405/SW Lincoln St.
38. SW Broadway/SW Grant St. @ SW 6th Ave.
39. SW Broadway @ SW 5th Ave.
40. SW 6th Ave. @ SW Caruthers St.
41. SW 5th Ave. @ SW Caruthers St.
42. SW 4th Ave. @ SW Caruthers St./SW Broadway
43. SW 5th Ave. @ SW Sheridan St.
44. SW 6th Ave./SW Terwilliger Blvd. @ SW Sheridan St.
45. SW 4th Ave./SW Barbur Blvd. @ SW Sheridan St.
46. SW 1st Ave. @ SW Sheridan St.
47. SW Naito Pkwy. @ SW Sheridan St.
48. SW 1st Ave. @ SW Arthur St.
49. SW Naito Pkwy. @ SW Arthur St.
50. SW Naito Pkwy. @ SW Kelly St.
51. SW Kelly St. @ SW Water St.
52. SW Barbur Blvd. @ SW Hooker St.
53. SW Naito Pkwy. @ SW Hooker St.
54. SW Kelly St. @ SW Hooker St./SW Macadam Ave.
55. SW Naito Pkwy. @ SW Porter St
56. SW Kelly St. @ SW Porter St./SW Hood Ave.
57. SW Macadam Ave. @ SW Hood Ave.
58. SW Barbur Blvd. @ SW Woods St.
59. Ross Island Brg. @ SW Woods St./SW Water Ave.
60. SW Hood Ave. @ SW Macadam Ave.
61. Ross Island Brg. @ Naito Pkwy.
62. Ross Island Brg. @ Kelly Ramps
63. Ross Island Brg. @ 99E SB
64. Ross Island Brg. @ 99E NB
65. SE Powell Blvd. @ SE 8th Ave.
66. SE Powell Blvd. @ SE 10th Ave.
67. SE Powell Blvd. @ SE Milwaukie Ave.
68. SW Grover St. @ SW Water Ave.
(SW Naito Pkwy @ Connection B under PA+BH)
69. SW Naito Pkwy. @ Gibbs/Naito Ramps
70. SW Kelly Ave. @ SW Gibbs St.
71. SW Barbur Blvd. @ SW Whitaker St.
72. SW Naito Pkwy. @ SW Whitaker St.
73. SW Kelly Ave. @ SW Whitaker St.
74. SW Hood Ave. @ SW Whitaker St.
75. SW Barbur Blvd. @ SW Pennoyer St.
(SW Naito Pkwy under PA & PA+BH)*
76. SW Barbur Blvd. @ SW Condor Ave.
77. SW Barbur Blvd. @ Lane/Ped Crossing
78. SW Barbur Blvd. @ Abernathy/Ped Crossing
79. SW Barbur Blvd. @ SW Lowell St.
80. SW Barbur Blvd. @ SW Bancroft St.
81. SW Corbett Ave. @ SW Bancroft St.
82. SW Barbur Blvd. @ SW Hamilton St.
83. SW Hamilton Blvd. @ SW Corbett Ave.
85. SW Barbur Blvd. @ SW Capitol Hwy. EB
86. SW Barbur Blvd. @ SW Capitol Hwy. WB
87. SW Terwilliger Blvd. @ SW Capitol Hwy.
88. SW Barbur Blvd. @ SW Barbur Apt. Dwy.
89. SW Corbett Ave. @ I-5 NB Off-Ramp
90. SW Kelly Ave. @ SW Curry St.
91. SW Macadam Ave. @ SW Curry St.
92. SW 1st Ave. @ SW Woods St.
93. SW 1st Ave. @ SW Hooker St.

Segment A

- # - AM Vissim Study Intersection *(Performance Measures Reported)*
- # - Modeled Intersection for System Operations *(No Measures Reported)*
- AM Vissim Model Area

*Barbur @ Naito is modeled as intersection #78 in Synchro

DKS

figure 1

AM Study Area

Segment A: Inner Portland

Data Collection Summary

This memo documents the data collected for the development and calibration of the 2018 AM Peak Hour Existing Conditions Vissim model. As discussed previously, the PM peak hour model data collection was completed under the DEIS project phase. Field observations and new traffic counts were collected on October 23, 2019 through October 25, 2019 (Tuesday through Thursday).

Roadway Geometry Data

The roadway geometry data included roadway segment lengths, number of lanes, lengths of storage bays and tapers, intersection geometry, pedestrian crossing locations and widths, and transit stop locations. This data was primarily obtained from aerial imagery and Google Street View and was verified with field observations. Most of the network geometry was developed as part of the PM model during the DEIS project phase. The AM network was built off the PM network with the following modifications (shown in Figure 2):

- The portions of SW Naito Parkway and SW 1st Avenue north of SW Harrison Street were not included in the AM model, as the traffic operations on these portions of the corridors do not have significant impacts to the LRT corridor under AM conditions.
- SW Corbett Ave was extended south beyond the PM model extents to include queuing impacts to the I-5 southbound off-ramp at Exit 298 to SW Corbett Ave.
- SW Macadam Ave was extended south beyond the PM model extents to include the platooning impacts of the signal at the SW Macadam Avenue/I-5 northbound off-ramp and SW Curry Street intersection.
- SW Hooker St was extended to connect SW Barbur Boulevard to SW 1st Avenue, to better capture cut-through traffic.
- SW Woods St was extended to connect SW Barbur Boulevard to SW 1st Avenue, to better capture cut-through traffic.

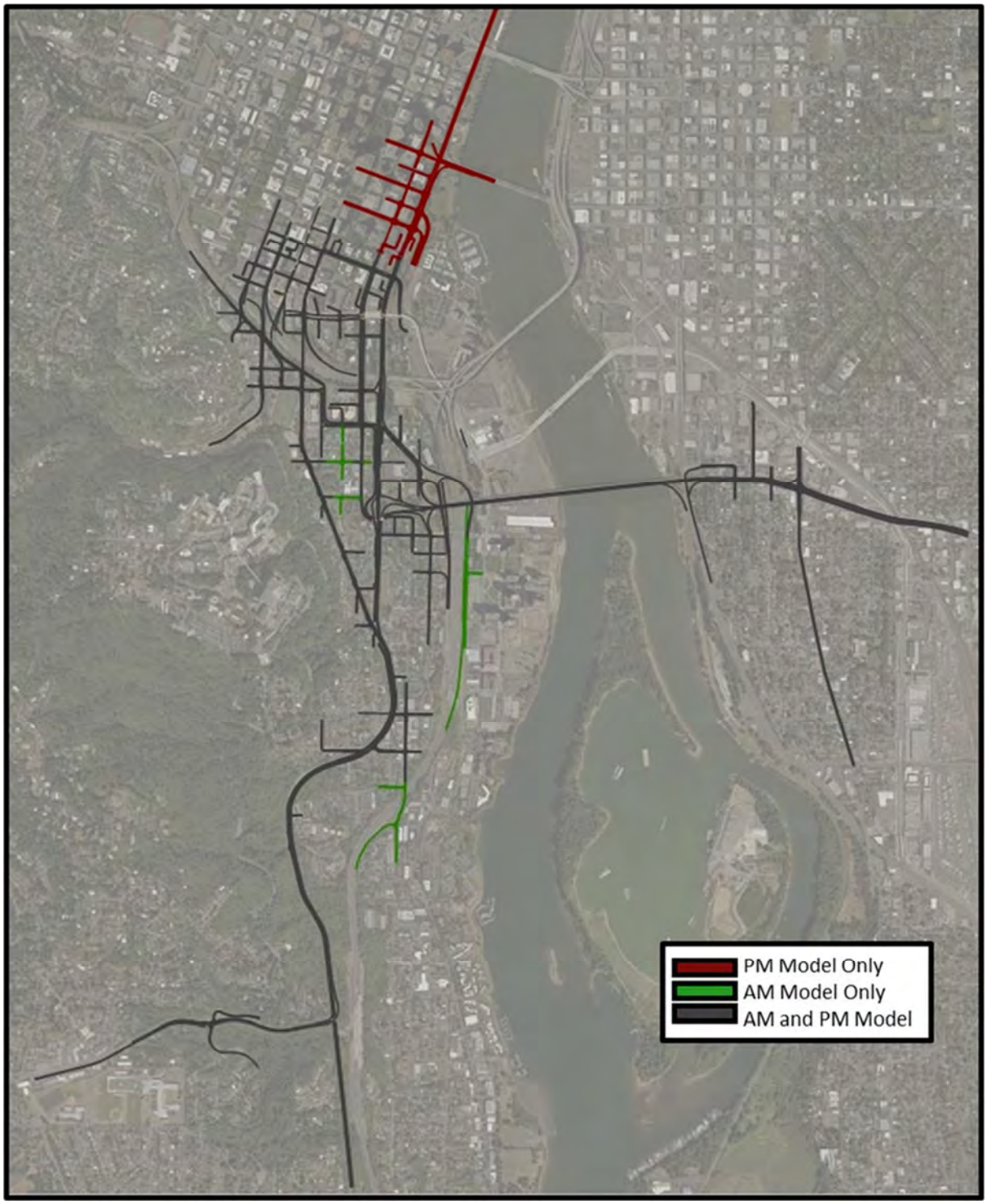


Figure 2: AM Model vs DEIS PM Vissim Model Extents

Traffic Control Data

The traffic control data included stop bar and stop sign locations, traffic signal locations, traffic signal timing data, and detector plans where available. This data was obtained from aerial imagery and Google Street View and was verified with field observations. ODOT/PBOT provided signal timing sheets. Detector layouts were estimated in the field.

Traffic Control Field Observations

- **SW Barbur Blvd and SW Naito Pkwy** – Observed compliance with pedestrian yielding at SW Barbur Blvd and SW Naito Pkwy side crosswalk.
- **SW Porter St and SW Kelly Ave** – Observed courtesy "keep clear" behavior when speeds were low to allow the southbound left to SW Hood Ave.
- **SW Kelly Ave and SW Water Ave** – Intersection was generally kept clear with low speeds. Observed platooning behavior for southbound right and eastbound left movements, multiple vehicles would go through sequentially. Drivers were aggressive with low gap times observed.
- **SW Naito Pkwy northbound to Ross Island Bridge eastbound ramp** – Without the presence of a queue, vehicles slowed for the stop sign (rolling stop) more than with a queue present; most drivers did not come to a complete stop unless prevented by conflicting through traffic.
- **SW Kelly Ave and Ross Island Bridge** – Observed similar Stop behavior as the northbound SW Naito Pkwy drivers. Generally rolling stops unless prevented by conflicting through traffic.
- **SW Corbett Ave and SW Hamilton St** – Most vehicles that do not experience a conflict fail to come to a complete stop at the stop sign (all-way stop), rather performing a rolling stop. A rolling stop occurs when a driver never comes to a complete stop (speed = 0 mph) while performing an intersection movement.

Traffic Count Data

The project team collected traffic count data at all Vissim model intersections to serve as inputs for the existing year AM peak hour Vissim Model. Count locations are shown Table 1.

Table 1: Traffic Count Information

Intersection	Control Type	Dates Collected	Time(s)
SW Terwilliger Blvd & SW Capitol Hwy	Signal	10/23/18	6-9 a.m.
SW Barbur Blvd & SW Capitol Hwy Westbound	Free	10/23/18	7-9 a.m.
SW Barbur Blvd & SW Capitol Hwy Eastbound	Free	10/24/18 & 10/25/18	6-9 a.m.
SW Barbur Blvd & T&C Apartment Drwy	STOP on driveway	11/14/18 & 11/15/18	7-9 a.m.
SW Corbett Ave & I-5 Northbound off-ramp	STOP on off-ramp	10/23/18 & 10/24/18	6-9 a.m.
SW Barbur Blvd & SW Hamilton St	Signal	10/23/18	7-9 a.m.

Intersection	Control Type	Dates Collected	Time(s)
SW Corbett Ave & SW Hamilton St	All-way STOP	10/23/18	7-9 a.m.
SW Barbur Blvd & SW Bancroft St	STOP on side street	10/23/18	7-9 a.m.
SW Corbett Ave & SW Bancroft St	STOP on side street	10/23/18	7-9 a.m.
SW Barbur Blvd & SW Lowell St	STOP on side street	4/8/15	7-9 a.m.
SW Barbur Blvd & SW Naito Pkwy	Free	10/23/18 & 10/24/18	7-9 a.m.
SW Barbur Blvd & SW Lane St	STOP on side street	10/23/18	7-9 a.m.
SW Barbur Blvd & SW Condor Ave/SW Pennoyer St	STOP on side street	10/24/18	7-9 a.m.
SW Kelly Ave & SW Curry St	Southbound SW Kelly Ave Free, STOP on side street	10/24/18	7-9 a.m.
SW Macadam Ave/I-5 NB off-ramp & SW Curry St	Signal	10/24/18	7-9 a.m.
SW Barbur Blvd & SW Whitaker St	STOP on side street	10/24/18	7-9 a.m.
SW Naito Pkwy & SW Whitaker St	Median separated right-in for Southbound SW Naito Pkwy	4/8/15	7-9 a.m.
SW Kelly Ave & SW Whitaker St	Southbound SW Kelly Ave Free, STOP on side street	10/24/18	7-9 a.m.
SW Hood Ave & SW Whitaker St	Free	10/24/18	7-9 a.m.
SW Kelly Ave & SW Gibbs St	STOP on side street	10/24/18	7-9 a.m.
SW Naito Pkwy & SW Gibbs St	STOP on side street	10/24/18	7-9 a.m.
SW Naito Pkwy & Ross Island Bridge	Various STOP control	3/14/18	6:30-9:30 a.m.
SW Kelly Ave/SW Corbett Ave & Ross Island Bridge	STOP for Northbound SW Kelly Ave	10/24/18	7-9 a.m.
SW McLoughlin Blvd SB & Ross Island Bridge	Free	10/24/18	7-9 a.m.
SW McLoughlin Blvd NB & Ross Island Bridge	Free	10/24/18 & 10/25/18	6-9 a.m.
SE 8th Ave & SE Powell Blvd	STOP on side street	10/24/18	7-9 a.m.
SE 10th Ave & SE Powell Blvd	STOP on side street	10/24/18	7-9 a.m.
SE Milwaukie Ave & SE Powell Blvd	Signal	10/24/18	7-9 a.m.

Intersection	Control Type	Dates Collected	Time(s)
SW Corbett Ave & SW Porter St	Free, median channelized right-only STOP for side street	10/24/18	6-9 a.m.
SW Macadam flyover fork to SW Hood Ave or SW Corbett Ave	Free	10/24/18	6-9 a.m.
SW Naito Pkwy & SW Porter St	Free	10/24/18	7-9 a.m.
SW 1st Ave & SW Woods St	STOP on side street	10/23/18	7-9 a.m.
SW Barbur Blvd & SW Woods St	STOP on side street	10/23/18	7-9 a.m.
SW Barbur Blvd & SW Hooker St	STOP on side street	10/23/18	6-9 a.m.
SW 1st Ave & SW Hooker St	STOP on side street	10/23/2018	7-9 a.m.
SW Naito Pkwy & SW Hooker St	STOP on side street	10/24/18	7-9 a.m.
SW Kelly Ave/SW Macadam flyover & SW Corbett Ave	Free	10/24/18	7-9 a.m.
SW Water Ave & SW Kelly Ave	STOP on side street	10/24/18	7-9 a.m.
SW Naito Pkwy Northbound ramps & SW Kelly Ave	STOP on side street	10/24/18	7-9 a.m.
SW Arthur St & Ross Island Bridge Eastbound	Free	10/24/18	7-9 a.m.
SW 1st Ave & SW Arthur St	Signal	10/23/18 & 10/24/18	7-9 a.m.
SW 2nd Ave & SW Arthur St	STOP on side street	10/23/18	7-9 a.m.
SW 3rd Ave & SW Arthur St	STOP on side street	10/23/18	7-9 a.m.
SW 3rd Ave u-turn	STOP	10/24/18	7-9 a.m.
SW Terwilliger Ave/SW 6th Ave & SW Sheridan St	Signal	10/23/18 & 10/24/18	7-9 a.m.
SW 5th Ave & SW Sheridan St	Signal	10/23/18	7-9 a.m.
SW Barbur Blvd/SW 4th Ave & SW Sheridan St	Signal	10/23/18 & 10/24/18	6-9 a.m.
SW 1st Ave & SW Sheridan St	STOP on side street	10/24/18	7-9 a.m.
SW Naito Pkwy & SW Sheridan St	STOP on side street	10/24/18	7-9 a.m.
SW 6th Ave & SW Caruthers St	Signal	10/23/18	7-9 a.m.
SW 5th Ave & SW Caruthers St	Signal	10/23/18	7-9 a.m.
SW 4th Ave & SW Caruthers St & SW Broadway	Signal	10/23/18 & 10/24/18	6-9 a.m.

Intersection	Control Type	Dates Collected	Time(s)
SW Broadway & SW Lincoln St & SW Broadway Dr & I-405 Southbound off-ramp	Signal	10/23/18 & 10/24/18	6-9 a.m.
SW Broadway/SW Grant St & SW 6th Ave	Signal	10/23/18 & 10/24/18	6-9 a.m.
SW Broadway Ave & SW 5th Ave	Signal	10/23/18 & 10/24/18	6-9 a.m.
SW 4th Ave & SW Grant St	STOP on side street	10/25/18	7-9 a.m.
SW Naito Pkwy & Boy Scouts of America Drwy	Free	10/24/18	7-9 a.m.
SW 6th Ave & I-405 NB/US 26 WB on-ramp	Free	10/23/18 & 10/24/18	6-9 a.m.
SW 5th Ave & I-405 Southbound on-ramp	Signal	10/25/18	7-9 a.m.
SW 4th Ave/I-405 off-ramp & SW Lincoln St	Signal	10/23/18 & 10/24/18	7-9 a.m.
SW 3rd Ave & SW Lincoln St	Free	3/16/17	7-9 a.m.
SW 2nd Ave & SW Lincoln St	Free	3/22/17	7-9 a.m.
SW 1st Ave & SW Lincoln St	Signal	10/25/18	7-9 a.m.
SW Naito Pkwy & SW Lincoln St	Signal	3/21/17	7-9 a.m.
SW Broadway Ave & SW Jackson St	Signal	10/25/18	7-9 a.m.
SW 6th Ave/I-405 NB off-ramp & SW Jackson St	STOP on side street	10/23/18 & 10/24/18	6-9 a.m.
SW 5th Ave & SW Jackson St	Signal	3/16/17	7-9 a.m.
SW Broadway Ave & SW College St	Signal	3/16/17	7-9 a.m.
SW 6th Ave & SW College St	Signal	3/30/16	7-9 a.m.
SW 5th Ave & SW College St	Signal	3/16/17	7-9 a.m.
SW 4th Ave & SW College St	STOP on side street	3/15/17	7-9 a.m.
SW 6th Ave & SW Hall St	Signal	3/16/17	7-9 a.m.
SW 5th Ave & SW Hall St	Signal	3/16/17	7-9 a.m.
SW 4th Ave & SW Hall St	Signal	3/16/17	7-9 a.m.
SW 6th Ave & SW Harrison St	Signal	10/25/18	7-9 a.m.
SW 5th Ave & SW Harrison St	Signal	10/25/18	7-9 a.m.
SW 4th Ave & SW Harrison St	Signal	10/24/18	7-9 a.m.

Intersection	Control Type	Dates Collected	Time(s)
SW 1st Ave & SW Harrison St	Signal	10/23/18 & 10/24/18	7-9 a.m.
SW Naito Pkwy & SW Harrison St	Signal	10/23/18 & 10/24/18	6-9 a.m.
SW 5th Ave & SW Montgomery St	Signal	10/25/18	7-9 a.m.

Preliminary review of the traffic counts indicated significant shifts in turn percentages between 7-8 AM and 8-9 AM at key locations such as the Barbur/Naito northbound split. To set up more accurate traffic volume and Origin-Destination inputs for the microsimulation model, the 7-8 AM and 8-9 AM hours were balanced separately throughout the study area. The count balancing adjustments by hour are summarized both in tables and graphically in Attachment B, while the raw count data is provided in Attachment A.

Traffic Count Data Field Observations

During field observations the project team noted that the closure of a northbound lane on SW Naito Parkway north of SW Sheridan St was creating significant queueing on both Naito Parkway and the ramp from SW Kelly Ave/SW Arthur St to northbound SW Naito Parkway. When compared against counts collected in previous phases of the project, the new counts indicated that a higher percentage of northbound trips were using SW Barbur Boulevard rather than SW Naito Parkway. In addition, the volume on the ramp from SW Kelly Ave/SW Arthur St to northbound SW Naito Parkway was significantly lower in the new counts. Therefore, the following adjustments were made to the 7-8 AM and 8-9 AM counts to account for the impacts of the constructions project.

- 7-8 AM Count Adjustments
    - To better balance northbound SW Barbur Blvd and SW Naito Parkway, 60 vehicles were transferred from the northbound through at Harrison and 4th to the northbound through at Harrison and Naito. The volume (northbound through movement) was traced south along Barbur and then north along Naito. The volume of 60 was selected based on the comparison of 2018 counts and 2017 DEIS counts. Old counts were approximately 60 vehicles low along Barbur compared to 2018 counts (comparison location Barbur and Whitaker, 1,171 in 2018 versus 1,113 in 2017).
    - To account for vehicles avoiding the study area due to the construction, 200 vehicles were added to Macadam ramp. The 2018 counts at the Macadam ramp were significantly lower when compared to the 2017 DEIS counts (653 from Macadam onto Kelly in 2018, versus 813 in 2017). Also, the ramp counts from Kelly Avenue westbound to Naito Pkwy northbound were significantly lower in the 2018 counts (544 in 2018 versus 867 in 2017). The assumption behind this added demand is that the lane closure on Naito causes northbound drivers destined for downtown to remain on Harbor Drive and enter or cross Naito at Clay Street rather than accessing Naito via the Macadam ramp and Kelly.
    - The northbound through at Harrison and Naito was 1,255 in the 2017 DEIS counts, but only as high as 772 in the 2018 counts, a discrepancy of 483 vehicles. Overall, the 2018 counts were lower network wide than the 2017 DEIS counts, so adjusting the entire 483 vehicles back into the counts was unrealistic. However, the adjustments do add 260 vehicles back onto the northbound through movement, more than halving the discrepancy between 2018 and 2017.

- 8-9 AM Count Adjustments
    - To better balance northbound SW Barbur Blvd and SW Naito Parkway, 180 vehicles were transferred from the northbound through at Harrison and 4th to the northbound through at Harrison and Naito. The volume (northbound through movement) was traced south along Barbur and then north along Naito. The volume of 180 was selected based on a comparison of 2018 counts and 2017 DEIS counts. The old counts were approximately 140 vehicles low along Barbur compared to 2018 counts (comparison location Barbur and Whitaker, 1,498 in 2018 versus 1,360 in 2017), and 180 low for the northbound through at Harrison and 4th (1,136 in 2018 versus 957 in 2018).
    - To account for vehicles avoiding the study area due to the construction, 170 vehicles were added to Macadam ramp. The 2018 counts at the Macadam ramp were significantly lower when compared to the 2017 DEIS counts (623 from Macadam onto Kelly in 2018, versus 787 in 2017). Also, the ramp counts from Kelly Avenue westbound to Naito Pkwy northbound were significantly lower than the 2018 counts (441 in 2018 versus 681 in 2017). The assumption behind this added demand is that the lane closure on Naito causes northbound drivers destined for downtown to remain on Harbor Drive and enter or cross Naito at Clay Street rather than accessing Naito via the Macadam ramp and Kelly.
    - The northbound through at Harrison and Naito was 1,259 in the 2017 DEIS counts, but only as high as 759 in the 2018 counts, a discrepancy of 500 vehicles. Overall, the 2018 counts were lower network wide than the 2017 DEIS counts, so adjusting the entire 483 vehicles back into the counts was unrealistic. However, the adjustments do add 350 vehicles back onto the northbound through movement, more than halving the discrepancy between 2018 and 2017.

The volume adjustments made to account for the construction impacts on SW Naito Parkway are shown graphically in Attachment B, along with the final balanced and construction demand adjusted counts.

Lane Utilization

The lane utilization data describes the distribution of traffic across all available lanes on an approach. Lane utilization was explicitly measured at four intersections in the study area and also observed at other locations during field observations. The lane utilization percentages were summarized to the 7-9 AM two-hour time interval. Note that during the lane utilization data collection the overall queuing along Broadway appeared to be lighter than usual. This likely impacted the lane utilization, with less drivers make late lane changes to reach the I-405 NB On-Ramp at SW 6th Ave. The full lane utilization data is included in Attachment C.

Measured Lane Utilization

- **SW 4th Ave/SW Barbur Ave & SW Caruthers St:** Taken for the northbound left turn lanes and the westbound approach for the westbound through and the westbound right. Results showed that westbound traffic was approximately 15% higher in the left and middle lanes with a split of 36%, 43% and 20%. Northbound left turning traffic was fairly even split (47% left, 53% right) between the two lanes.
- **SW 6th Ave & SW Broadway:** Taken for the westbound approach for the westbound right. Results showed roughly 57% of traffic uses the leftmost lane, with 28% in the middle lane and only 15% in the rightmost lane.
- **SW Barbur Blvd & SW Hamilton St:** Taken for the northbound approach for the northbound through and northbound right. Results showed roughly 20% higher utilization of the left and middle lanes for the through

traffic, which translated to a split of approximately 35%, 36% and 29% for the approach. Note queuing was observed to be highest in the right lane, thus slightly reducing throughput as compared to the middle and left lanes.

- **SW Barbur Blvd & SW Sheridan St:** Taken for the northbound approach for the northbound through and northbound right. The leftmost through lane operates as a de-facto turn lane for the northbound left turn at Caruthers. Results showed a roughly even split for through movements, approximately 37% left, 29% middle, and 34% right for the approach.

Observed Lane Utilization

- **SW Kelly Ave and SW Macadam Ave** – Merging for northbound (SW Naito Pkwy) and westbound (SW Arthur St) movements generally occurred as early as possible and occasionally before the end of the gore (see Figure 3). Slower speeds were observed in the rightmost through lane at this intersection (the opposite occurred just downstream at the intersection with SW 1st Ave).
- **SW Kelly Ave to SW Naito Pkwy northbound** – Some vehicles from SW Macadam Ave utilized this lane past the lane change restriction for westbound SW Arthur St. As noted above, most westbound vehicles merged over well before the ramp.

Figure 3: Macadam/Kelly Merge Location

The speed discrepancy described in the bullets above is most likely due to spillback from the lane utilization much further downstream at SW Broadway and SW 6th Ave due to the single lane ramp to I-406/Hwy 26. Commuter drivers entering SW Kelly Ave from SW Macadam Ave know that queues spill back along SW 3rd Ave and SW Arthur St and entering the correct lane is challenging. Due to this, drivers were observed attempting to merge left into the westbound through lanes as early as possible, which resulting in a slowdown for the outside right lane exiting the Ross Island bridge. Further downstream at SW 1st Ave and SW Arthur St, the inside left lane slows down due to the lane utilization just described and higher speeds were observed in the outside right lane. Roughly even speeds and sustained queue lengths for the westbound through lanes were observed along SW Kelly Ave near SW Water Ave.

Travel Time Data

Bluetooth data was collected at the following six locations in the study area:

- SW Barbur Blvd & SW Capitol Hwy
- SW Naito Pkwy & SW Harrison St
- SW 4th Ave & SW Lincoln St
- SW Broadway Ave & SW Grant St
- Ross Island Bridge east of Hwy 99E.
- SW Barbur Blvd & SW Naito Pkwy

These locations were combined into 7 origin/destination pairs, as shown in Figure 4. Unique Bluetooth ID hits at each location were matched up to generate travel times for the 11 origin/destination pairs.

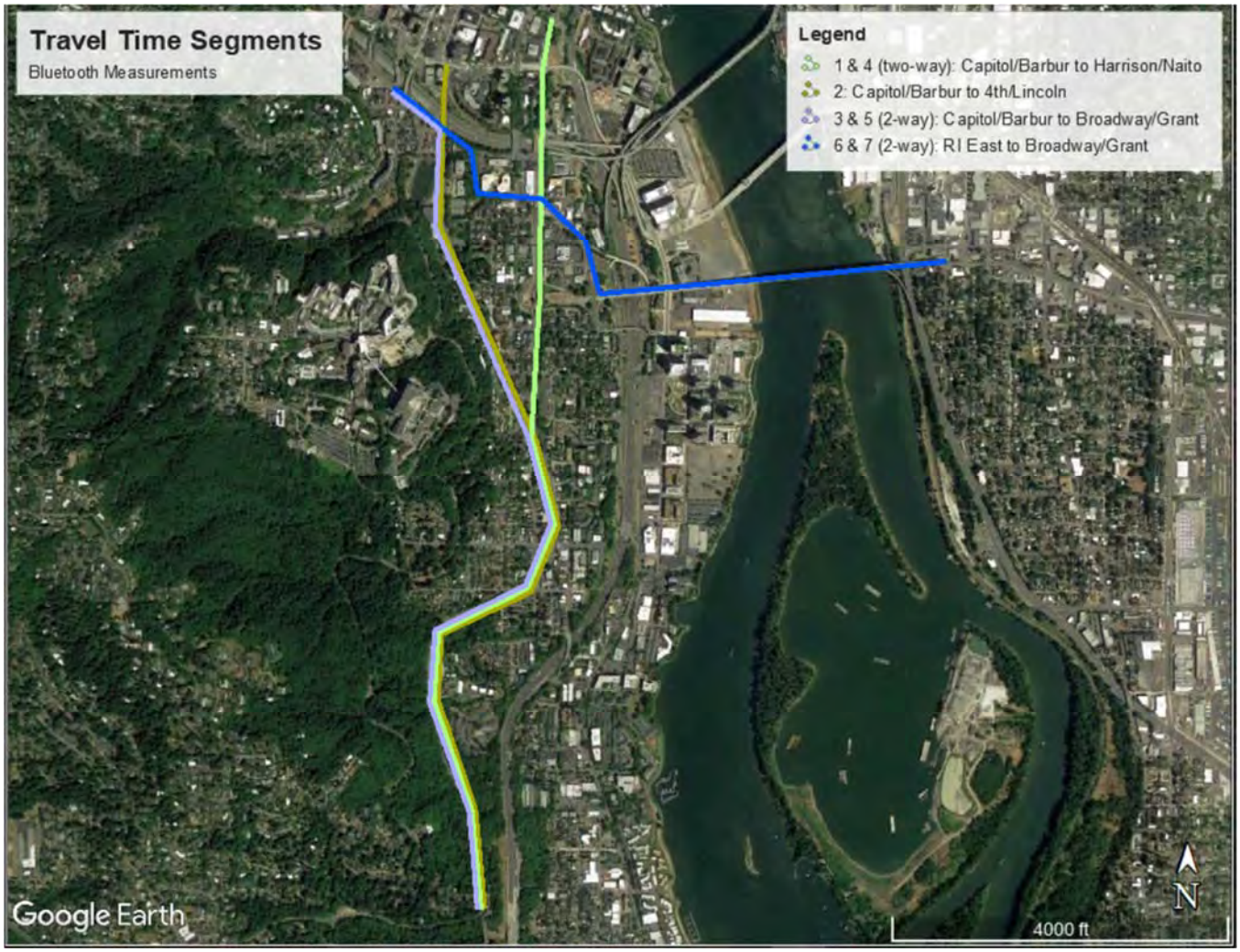


Figure 4: Bluetooth Travel Time Segments

Extensive data cleaning was required to extract meaningful travel time information. The first step in this process was removing duplicate records. Many of the collection points had multiple records for the same ID, at the same timestamp. These were removed so that every data point had a unique timestamp or ID. The second step was to filter out the intermediate data points collected at each reader location. The range of each reader is approximately 500 feet, so most devices were captured multiple times as they passed through a given zone. The data was filtered so that only the first and last instance of a given device was processed. Next, the data was filtered to include only pairs, exclude devices that only registered at one reader. This data was then refined by Origin-Destination (OD) pair. Travel times for these selected pairs was initially limited to a maximum of 30 minutes, based on Google Traffic worst case conditions. After initial processing, these segments were further limited (to remove transit, bicycle, walking, and vehicle trips with stops between reader locations) as follows:

- 25 minutes for inbound devices from SW Capitol Highway & SW Barbur Boulevard or the Ross Island Bridge
- 10 minutes for outbound devices ending at the eastern side of the Ross Island Bridge
- 15 minutes for all other OD pairs

Note that the northbound travel time segments terminating at SW Naito Parkway and SW Harrison Street were significantly impacted by the construction lane closure on SW Naito Parkway north of SW Sheridan Street. The travel times for these segments are likely longer than on a typical day without construction. The travel time data results are summarized in Attachment D.

Transit

Many transit lines, including bus and light rail, serve all, or portions of, the study area. Lines will enter the Vissim simulation model based on published Trimet schedules. Transit lines in the study area include the following:

Light Rail

The Yellow/Orange and Green MAX lines operate along SW 5th Ave and SW 6th Ave from SW Jackson St north to the study area boundary. These lines impact the legal turns allowed at intersections along the line. The lines typically move through intersections on the corresponding vehicle southbound or northbound through movement. The 5th Ave/Lincoln track plant logic is included in the model consistent with the DEIS models.

Streetcar

All three streetcar loops enter the study area at SW Naito Pkwy & SW Harrison St and travel west along Harrison before existing the study area at SW 5th Ave & SW Mill St at the PSU Urban Center.

Standard Service Bus

- Line 17: Service between Woodlawn and Powellhurst-Gilbert. The line operates along SW 6th Ave, SW 5th Ave, SW 4th Ave, SW Hall St and SW Lincoln St within the study area.
- Line 19: Service between Gateway Transit Center and Lents. The line operates along SW 6th Ave, SW 5th Ave, SW Broadway and crosses the Ross Island Bridge before exiting the study area via SE Milwaukie Ave.
- Line 35: Service from Portsmouth to Oregon City. The line operates between SW Naito Pkwy & SW Harrison St and SW 6th Ave & SW Harrison St.
- Line 39: Service from Hillsdale to Lewis & Clark College impacts the study area at the intersection of SW Capitol Hwy & SW Terwilliger Blvd
- Line 43: Service between Portland City Center and Beaverton Washington Square Transit Center. The line operates along SW 4th Ave, SW 5th Ave and SW Lincoln St in downtown Portland and exits the study area by traveling south along SW 1st Ave and SW Corbett Ave.
- Line 44: Service between St Johns and PCC Sylvania. The line operates along SW 6th Ave, SW 5th Ave, SW 4th Ave, SW Mill St, SW Barbur Blvd and SW Capitol Hwy within the study area.
- Line 45: Service between Goose Hollow and Tigard Transit Center. The line operates along SW Barbur Blvd and SW Naito Pkwy within the study area.

Frequent Bus Service

- Line 8: Service between Woodlawn and OHSU. The line operates along SW 6th Ave, SW 5th Ave, SW Caruthers St and SW Terwilliger Blvd within the study area.
- Line 9: Service between Portland City Center and Gresham Central Transit Center. The line operates along SW 6th Ave, SW 5th Ave, SW 4th Ave, SW Hall St and SW Lincoln St within the study area.
- Line 12: Service between Parkrose/Sumner Transit Center and Tigard Transit Center. The line operates along SW 6th Ave, SW 5th Ave, SW 4th Ave, SW Mill St and SW Barbur Blvd within the study area.
- Line 54: Service between Portland City Center and Beaverton Transit Center. The line operates along SW 6th Ave, SW 5th Ave, SW Harrison St, SW Naito Pkwy, SW Barbur Blvd and SW Capitol Hwy within the study area.
- Line 56: Service between Portland City Center and Washington Square Transit Center. The line operates along SW 6th Ave, SW 5th Ave, SW Harrison St, SW Naito Pkwy, SW Barbur Blvd and SW Capitol Hwy within the study area.

Express Bus Service

- Line 1: Service between Portland City Center and Vermont. The line operates along SW 6th Ave, SW 5th Ave, SW Broadway Ave, SW Sheridan St and SW Barbur Blvd within the study area.
- Line 36: Service between Tualatin Park & Ride and Portland City Center. The line operates along SW Macadam Blvd, SW Harrison St, SW 6th Ave and SW 5th Ave within the study area.
- Line 38: Service between Tualatin Park & Ride and Portland City Center. The line operates along SW Barbur Blvd and SW Naito Pkwy within the study area.
- Line 55: Service between Portland City Center and Raleigh Hills. The line operates along SW Naito Pkwy, SW Barbur Blvd and SW Capitol Hwy within the study area.
- Line 64: Service from Tigard to OHSU and impacts the study area at the intersection of SW Terwilliger Blvd & SW Capitol Hwy.
- Line 65: Service from South Burlingame to OHSU. The line impacts the study area at the intersection of SW Terwilliger Blvd and SW Capitol Hwy.
- Line 66: Service between Hollywood Transit Center and OHSU. The line operates along SW Terwilliger Blvd, SW Naito Pkwy and SW Kelly Ave before exiting the study area along the Ross Island Bridge and SE Powell Blvd.
- Line 68: Service between Goose Hollow and OHSU. The line operates along SW Broadway and SW 6th Ave within the study area.
- Line 92: Service between Portland City Center and South Beaverton. The line operates along SW Naito Pkwy, SW Barbur Blvd and SW Capitol Hwy within the study area.
- Line 94: Service between Portland City Center and Sherwood. The line operates along SW 6th Ave and SW 5th Ave and exits the study area via SW Barbur Blvd.

- Line 99: Service from Oregon City to Portland City Center. Enters the study area at SW Macadam Blvd & SW Kelly Ave or SW 5th Ave & SW Montgomery St and travels along SW Harrison St before exiting at SW 6th Ave & SW Harrison St or SW Kelly Ave & SW Curry St.

Transit Field Observations

- **SW 1st Ave and SW Arthur St** – The bus stop located in the outside westbound lane results in some green time loss for the east leg traffic. Observed dwell times of 10 to 16 seconds with an average of approximately 15 seconds.
- **SW Barbur Blvd and SW Naito Pkwy** – Bus dwell time of 15 seconds on northbound SW Barbur Blvd. Impacts outside northbound lane but most traffic avoids the bus blockage and utilizes the inside lane.
- **SW Porter St and SW Kelly Ave** – Observed dwell time at layby stop was 10 seconds. Limited to no traffic impact.
- **SW Barbur Blvd and SW Hamilton St** – The bus stop near the northeast corner of the intersection stops in the bike lane and blocks northbound vehicles in the outside lane during the dwell, resulting in a reduced flow rate for the outside right lane during the cycle the bus dwells.

Origin-Destination (O-D) Data Development

In addition to the turn movement count data at intersections, the Vissim model requires O-D data to route the traffic through the network. In collaboration with ODOT, Metro staff updated the current existing year (2015) Metro model to more closely match AM counts (7-8 AM and 8-9 AM) on some of the key study area corridors, including the following:

- SW Terwilliger Blvd Northbound
- SW Barbur Blvd Northbound
- I-405 NB On-Ramp at 6th Ave

Two subarea extractions (one for 7-8 AM, another for 8-9 AM) were performed on the updated existing AM Metro model to match O-D data to the project study area. Both O-D data sets were then adjusted to match as closely as possible to the balanced traffic counts, as discussed in more detail in the Model Development Summary section of this document.

Queuing Data

Queue lengths throughout the project study area were noted during field observations, as summarized below. In addition, typical traffic speed plots from Google maps at 15-minute intervals were captured during the traffic counts and field observations and are included for reference in the Attachment E.

Queuing Field Observations

- **SW 1st Ave and SW Arthur St** – Westbound queues extending east through the intersection were observed as early as 6:45 am. Speeds were higher in the outside, westbound lane due to the lane utilization distribution described previously.
- **SW Porter St and SW Kelly Ave** – By approximately 7:40 am sustained westbound queues extended to this intersection.
- **SW Naito Pkwy northbound to Ross Island eastbound** – Queuing extended up the ramp throughout the peak but rarely extended significantly upstream along the SW Naito Pkwy mainline.

- **SW Barbur Blvd and SW Hamilton St** – The northbound movement queues back to the RRFB pedestrian signal near the Town & Country Apartments. The queued vehicles were typically served at the Barbur Blvd / Hamilton St signal within one cycle.
- **SW Corbett Ave and SW Hamilton St** – The northbound movement typically queues back to the overpass structure, with peak 15-minute observations extending near the I-5 off ramp. No significant queuing was observed on the off ramp.

Model Development Summary

This section describes the steps completed in the existing (or base) year 2018 AM model development process.

Network Coding

This step involved coding the geometry of the entire network. Network objects and attributes added in this step include the following:

1) Physical roadway (links and connectors)
2) Intersection geometry (links and connectors)
3) Pedestrian links
4) Traffic control (speed distributions and decisions, reduced speed areas, conflict areas, priority rules, stop signs, signal heads, detectors, signal timing and ramp metering)

Free flow speed distributions were developed using the ODOT Vissim protocol methods for links without measured speed data based on posted speed.

Traffic Demand and Routing

The vehicle demand and route followed the following multi-step process:

1. Balancing and other demand adjustments to the 7-8 AM and 8-9 AM counts throughout the network (discussed in more detail in the Data Collection Summary)
2. Extract 7-8 AM and 8-9 AM O-D data matching the model study area from the EMME revised existing 2015 Metro model (discussed in more detail in the Data Collection Summary)
3. Cut subarea from the Metro Visum model and refine to include all the connections and driveways necessary for the Vissim model outlined in Figure 2.
4. Assign Metro 7-8 AM and 8-9 AM O-D extracted EMME matrices to the Visum subarea, using additional connectors and connector weighting (based on counts) to distribute volume to all model entries and exits
5. Perform second subarea cut on the Visum subarea model to create unique external gateways and O-D distributions for every model entry and exit
6. Perform Origin-Destination Matrix Estimation (ODME) using the Visum TFlowFuzzy (TFF) tool to match the refined subarea assignment as close as possible to the balanced counts. The following key regional O-D pairs were held constant during the TFF step:
    a. SW Capitol Hwy/SW Barbur Blvd to NB SW Naito Parkway

b. SW Capitol Hwy/SW Barbur Blvd to NB I-405

c. I-405 SB to SE Powell Boulevard

d. SE Powell Boulevard to I-405 NB

e. SE Powell Boulevard to NB SW Naito Parkway

f. NB Hwy 99E to I-405 NB

g. I-405 SB to SB Hwy 99E

h. SW Macadam Ave to I-405 NB

The TFF process was performed separately for the 7-8 AM and 8-9 AM counts and O-D data. The end outcomes were two O-D matrices (7-8 AM and 8-9 AM) compatible with the Vissim study area entries and exits that closely matched the counts while maintain integrity with the Metro model on key regional corridors.

Vissim's Dynamic Traffic Assignment (DTA) feature was used in combination with the two TFF O-D matrices to generate motor vehicle inputs and multi-hour routing through the network. Due to multiple feasible routes between many O-D pairs across the network, Vissim DTA was run with travel time on routes convergence criteria set to 90% of routes converged to within 15% travel time across all O-D multi-route options. The DTA assignment was then converted to static vehicle inputs and complete O-D routes. Minor adjustments were made to static routes to ensure the demand matched the traffic counts as closely as possible at all study intersections.

Pedestrian counts were used as pedestrian inputs for all intersections and crossing locations within the Vissim model. Bicycle lanes or paths and counts were also included at the following locations:

- SW 4th Avenue and SW Lincoln Street
- SW 5th Avenue and SW Montgomery Street
- SW 5th Avenue and SW Harrison Street
- SW 5th Avenue and SW Hall Street
- SW 5th Avenue and SW College Street

Traffic Volume Peaking Profile

The initial AM peak two-hour volume inputs in Vissim were modified to include a "peaking profile" of 15-minute volume flow rate increments. The peaking profiles were generated based on traffic counts. All input locations with volumes greater than 100 vehicles per hour (vph) were assigned a profile unique to a corresponding downstream traffic count. The traffic counts for all other approaches representing volumes less than 100 vph were added together and used to develop a typical low volume approach profile for the model. At the following locations where counts began earlier than 7:00 AM, the 6:30 to 7:00 AM data was included as the seeding period profile:

- All gateways to the SW Capitol Hwy and SW Terwilliger Blvd intersection
- SW Barbur Blvd northbound gateway
- All gateways at SW Corbett Ave and I-5 NB Off-Ramp

- I-405 SB Off-Ramp at SW Broadway
- I-405 NB Off-Ramp at SW 6th Ave
- All gateways at the SW Harrison St and SW Naito Parkway intersection

Vehicle Compositions

The volume inputs included heavy vehicle percentages based on the count data. The heavy vehicle percentages were rounded to the nearest one percent from the existing counts, and the percentages were applied to the corresponding volume inputs to the model network. The heavy vehicle fleet was modified from the Vissim defaults to be consistent with the ODOT Protocol for VISSIM Simulation.

Simulation Period and Seeding Period

The system-wide peak hour for the traffic count data collected was 7:45 to 8:45 AM. The Vissim simulation period included a seeding period (initialization period) followed by the entire two-hour peak period (7-9 AM). Measures of effectiveness were either collected for the one-hour 7:45 - 8:45 AM system peak period (intersection delay), over each hour (travel time, processed for 7-8 AM and 8-9 AM), or over the entire 7-9 AM interval (95th percentile queues). The FHWA's Traffic Analysis Toolbox[2] recommends a seeding period equal to or greater than twice the estimated travel time at free-flow conditions to traverse the entire network. To remain conservative and allow for the congestion levels and queues to develop to peak conditions, a seeding period of 30 minutes was selected.

Error Checking

The error checking portion of the model development focused on fixing coding errors before the calibration process began. Error checking is a process that includes a review of the coded data and a review of the animation. All coded data (geometry, speeds, signal timing data, stop and yield controls, transit data, and traffic volumes) was reviewed by the model developer and quality control reviewer.

A review of the animation was conducted to determine locations where conflict areas or priority rules might be missing, where signal timing may not be operating correctly or any other locations where generally coded parameters may have been overlooked.

Calibration

Upon the completion of the error checking, DKS calibrated the simulation model generally following the guidelines in Sections 6.1, 6.2, 6.4, and 6.6 of the ODOT Simulation Protocol. The model validation was based on 15 simulation runs to account for daily variation.

The following calibration targets were used for the existing year Vissim model:

- A quantitative comparison between input data and model output results for traffic volumes.
- A quantitative comparison between measured field and modeled lane utilization data at key locations

[2] Traffic Analysis Toolbox Volume III: Guidelines for Applying Traffic Microsimulation Modeling Software, Federal Highway Administration, June 2004.

- A quantitative comparison between Bluetooth and modeled travel times
- A qualitative comparison (visual inspection) of congestion and general operations along the entire study area based on field observation, video data, and Google Traffic Maps.

To best replicate field conditions, the Vissim model calibration process implemented a variety of standard techniques where appropriate, including:

- Lane change distance on turning movement connectors to capture upstream lane utilization.
- Intersection "keep clear" zones through congested intersections.
- Increased turning speeds for turning movements with larger than typical radii.
- Lane change aggressiveness (driver behavior parameter) in areas with high merging or weaving.

A large portion of the study area maintained Vissim default driver parameters from the Wiedemann 74 Model, typical for arterials and urban traffic. Given the amount of low speed, high access density, and frequent lane change facilities in the model, "cooperative lane change" behavior was selected to better match existing conditions. However, certain locations required special driver behavior types. Four new driver behaviors were created and used, as summarized below and shown in Figure 5. With the exception of the special case "6th Ave Merge" driver behavior, parameters calibrated as described below are all within the recommended ranges of the Protocol for Vissim Simulation, ODOT.

- "Merge" (shown as green in Figure 5) – This behavior type was used as several congested locations that required frequent lane change maneuvers. This behavior type used the Wiedemann 99 driving behavior type defaults, but with the following changes:
    - Cooperative lane change
    - Normally distributed Headway Time (CC1) averaging 1.0 seconds, to better accommodate vehicles merging into the main traffic stream
    - Longer "Following Variation" (CC2) length of 24 feet, allowing for larger gaps and better merge opportunities at low speeds
    - Safety Reduction Factor of 0.30 (to increase the aggressiveness of merging vehicles)
- "Milwaukie EB" (shown as red in Figure 5) – This behavior type is a hold-over from the calibration work done on the Division Transit Project, which included a calibrated Vissim model of the east end of the Ross Island Bridge and the SE Powell Boulevard and SE Milwaukie Avenue. This vehicle behavior type was only used in locations identified in the Division Transit Project model.
- "Right Side Rule" (shown as orange in Figure 5) – This behavior type (with the Vissim default settings) was used for the segment of the SB Naito Parkway to EB Ross Island Bridge connection to minimize conflicts at the stop-sign for the NB SW Naito Parkway ramp onto the Ross Island Bridge. During field observations, the vehicles appeared to favor the outside lane to minimize conflicts with the on-ramp. Therefore, this driving behavior was applied to encourage mainline vehicles to use the right lane.
- "6th Avenue Merge" (shown as purple in Figure 5) – This behavior type was developed based on the video data collected at the I-405 NB On-Ramp from 6th Avenue, and iterative testing against the counted throughput on the ramp. The driving behavior is built off the Wiedemann 99 model, but includes the following deviations from the defaults:

- Cooperative lane change
- Normally distributed Headway Time (CC1) averaging 0.7 seconds, to capture the hyper-aggressive driver behavior observed during the numerous last second merges onto the I-405 On-Ramp. While this headway time fall outside the recommended range from the Vissim Protocol, review of the model animation compared against the field video observations indicate that for this small portion of the network this is the actual driving behavior during the congested AM time period.
- Longer "Following Variation" (CC2) length of 20 feet, allowing for larger gaps and better merge opportunities at low speeds
- Safety Reduction Factor of 0.25 (to increase the aggressiveness of merging vehicles)

- "Naito Ramp" (shown as yellow in Figure 5) – Per ODOT comments and after visual review of the simulation, the queues generated by the northbound SW Naito Parkway ramp onto the eastbound Ross Island Bridge were determined to be unreasonably long. A traffic count collected on March 14, 2017 indicated that as many as 1,354 vehicles were served on the SW Naito Parkway northbound on-ramp\ against a conflicting flow of 1,842 vehicles, from 7-9 AM. To allow this amount of throughput, a special driving behavior was assigned to the SW Naito Parkway northbound on-ramp, calibrated to capture the aggressive car following behavior observed on the ramp. This behavior type was built off the Wiedemann 99 model, but includes the following deviations from the defaults:
    - Cooperative lane change
    - Normally distributed Headway Time (CC1) averaging 0.5 seconds, to capture the hyper-aggressive driver following behavior observed at the stop bar.
    - Shorter "Following Variation" (CC2) length of 8 feet, keeping vehicles in queue closer together
    - Negative and Positive "Following" Thresholds (CC4 and CC5) reduced to -0.25 and 0.25, respectively, to account for quicker reactions of vehicles in queue to acceleration of the car in front of them.

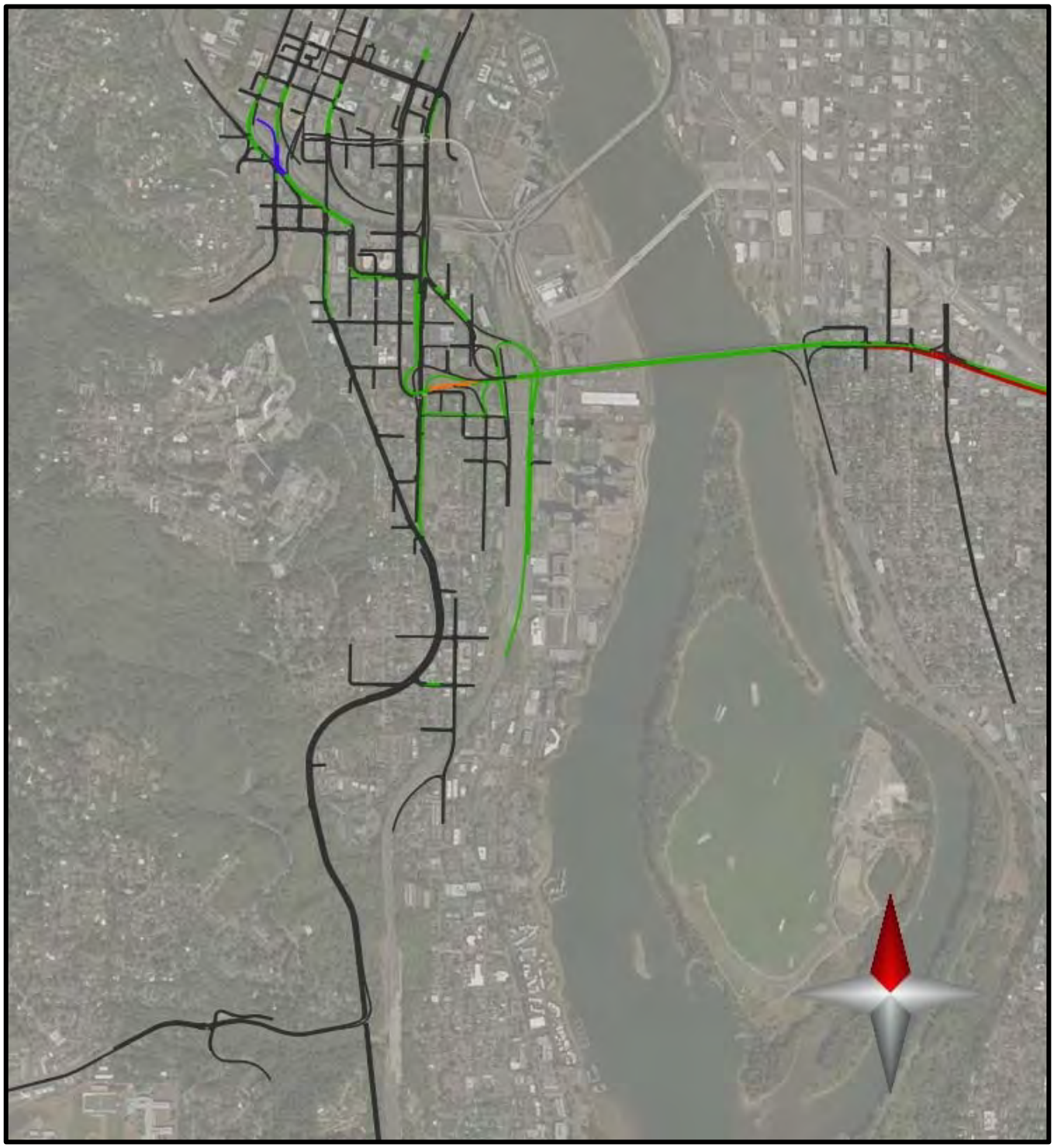


Figure 5: Travel Behavior Map

The weaving conflicts created by traffic entering I-405 northbound from SW 6th Avenue and from I-405 northbound on-ramp and vehicle exiting I-405 northbound for eastbound U.S. Hwy 26 lead to rolling queues on the I-405 northbound on-ramp. These queues spill back onto SW 6th Avenue and impact operations at the SW 6th Avenue and SW Broadway intersection. As the I-405 weave movement is not included within the Vissim model limits, a profile of speed distributions was developed for the I-405 northbound on-ramp to simulate the rolling queue conditions. The combination of Google speed plots collected during field observations and count video on the ramp were used to determine that the ramp was operating at least slightly below free-flow speed during the entire 6:30-9:00 AM time interval on both data collection days (10/23 and 10/24). The speed profiles were calibrated to the existing volume profiles collected from the video counts to ensure that the throughput profile at the I-405 northbound on-ramp matched as closely as possible to existing conditions. The following speed profiles by time interval were used to control the throughput at this location:

- 6:30-7:00 AM – 8 mph average speed
- 7:00-7:30 AM – 15 mph average speed
- 7:30-7:45 AM – 18 mph average speed
- 7:45-8:00 AM – 20 mph average speed
- 8:00-8:15 AM – 18 mph average speed
- 8:15-8:30 AM – 22 mph average speed
- 8:30-9:00 AM – 24 mph average speed

Field observations at the Ross Island Bridgehead indicated unique driving behavior at the NB SW Naito Parkway Ramp onto the Ross Island Bridge. Drivers were observed taking aggressive gaps for this movement, and when no immediate conflicts are present, failing to come to a complete stop. To capture this behavior, a ~~5~~7-mph reduced speed area was substituted for a stop sign for this movement, and priority rules with aggressive gap settings were used as well.

Field observations at the all-way stop-controlled intersection of SW Corbett Avenue and SW Hamilton Boulevard indicated rolling yield behavior for the heavy volume eastbound right and northbound left turn movements. To better replicate this behavior, yielding behavior at the intersection was modified from typical all-way stop controlled to provide some priority to these movements, and stop signs on the northbound and eastbound approaches were replaced with 5-mph reduced speed areas to replicate the rolling yield condition.

Model-wide, lane change distances were increased or decreased to match field observed vehicle behavior at specific locations that were observed.

Volume/Density

The initial calibration target set was for traffic volumes, both for 7-8 AM and 8-9 AM. Per the ODOT Vissim Protocol guidelines, individual turn movements greater than 100 vehicles per hour, and entry and exit location volumes were calibrated within an acceptable GEH Statistic[3] of less than 5.0, with the following exceptions:

- The NBL at SW 1st Avenue and SW Lincoln Street – From 7-8 AM, the Vissim throughput is 60, compared to the target count value of 123 (GEH = 6.6). The DTA assignment favored northbound left turn movements at SW Harrison Street, while the counts favored SW Lincoln Street due to construction impacts on SW Naito Parkway.
- The EBT movement at SW 4th Avenue and SW Harrison Street – From 8-9 AM, the Vissim throughput is higher than the counted volume (105 vs 53, GEH = 5.9), due to increased attractiveness of eastbound Harrison Street identified from the DTA assignment. The counts on SW Harrison Street were likely lower due to the construction impacts on SW Naito Parkway.
- Total volume at SW 1st Avenue and SW Harrison Street – From 8-9 AM, the Vissim throughput is higher than the counted volume (889 vs 742, GEH = 5.1), due to increased attractiveness of eastbound and westbound Harrison Street identified from the DTA assignment. The counts on SW Harrison Street were likely lower due to the construction impacts on SW Naito Parkway.
- The NBL at SW Naito Parkway and SW Harrison Street – From 8-9 AM, the Vissim throughput is 141, compared to the target count value of 85 (GEH = 5.3). The DTA assignment favored this northbound left turn movement. As volume for northbound SW Naito Parkway was low in the counts due to the construction lane closure, this increase in left turn volume is reasonable for the non-construction condition modeled.

The traffic volume calibration (GEH) results both by intersection and model entry and exit points are documented in Attachment F to this document.

In addition, the volume throughput profile on the I-405 NB On-Ramp was compared to the field counted profile from the Tuesday, October 24 count. Table 2 compares the Vissim throughput and counted throughput averaged over 15-minute intervals from 7-9 AM.

Table 2: I-405 NB On-Ramp Volume Throughput Comparison

Time Interval	Vissim Throughput	Counted Throughput	GEH
7:00-7:15 AM	341	389	2.5
7:15-7:30 AM	345	361	0.9
7:30-7:45 AM	385	356	1.5

[3] The GEH Statistic is a universal measure to compare model inputs and outputs. It is a continuous volume tolerance formula was developed to avoid the pitfalls associated with using a simple percentage comparison of a wide range of volumes.

Time Interval	Vissim Throughput	Counted Throughput	GEH
7:45-8:00 AM	393	387	0.3
8:00-8:15 AM	392	414	1.1
8:15-8:30 AM	423	392	1.5
8:30-8:45 AM	418	459	2.0
8:45-9:00 AM	423	437	0.7

As shown in Table 2, all 15-minute intervals fall within a GEH of 5.0 when comparing the Vissim throughput against the count profile.

In addition to the volume throughput results, the model was further calibrated at some select locations for lane utilization. The Vissim lane utilization was measured using data collection points and compared against the video measure lane utilization. Table 3 summarizes the lane utilization results, averaged over the 7-9 AM time interval.

Table 3: Lane Utilization Comparison

Intersection	Movement	Lane	Vissim Distribution	Measured Distribution	GEH
SW Barbur Blvd @ SW Hamilton St	Northbound Through	Inside Lane	37%	35%	2.4
		Middle Lane	43%	36%	8.5
		Outside Lane	20%	29%	12.2
SW Barbur Blvd @ SW Sheridan St	Northbound Through	Inside Lane	37%	37%	2.3
		Middle Lane	24%	29%	7.3
		Outside Lane	40%	34%	2.9
	Northbound Left	Inside Lane	45%	47%	1.2
		Outside Lane	55%	53%	1.2
SW 4th Ave @ SW Broadway	Westbound Through	Inside Lane	27%	39%	7.7
		Middle Lane	26%	38%	13.3
		Outside Lane	47%	23%	21.0
SW 6th Ave @ SW Broadway	Westbound Right	Inside Lane	48%	57%	6.6
		Middle Lane	33%	28%	5.0
		Outside Lane	19%	15%	5.4

As shown in Table 3, the Vissim lane utilization distributions for the northbound through movements at SW Barbur Blvd/SW Hamilton St and SW Barbur Blvd/SW Sheridan St as well as the northbound left turn movement at SW Barbur Blvd/SW Sheridan St show a similar trend to the video measured distributions. However, the westbound through and right movements on SW Broadway at SW 4th Ave and SW 6th Avenue deviate between the Vissim model and the video measured values. The Vissim model distributes the volumes more equally across the three lanes off traffic at both locations. As noted in the Data Collection Summary, queuing on SW Broadway appeared lower than usual during the lane utilization data collection. The final volumes used in the Vissim model are approximately 10% higher than the lane utilization counts, indicating more congested conditions and increased aggressive driver behavior, i.e. more last lane merges at the I-405 NB On-Ramp gore.

Travel Time

As noted in the Data Collection Summary, Bluetooth travel time data was collected on 7 segments over the three days of field observations. The travel time segments reported are listed in Table 4 with the Vissim average travel time, recorded over 15 runs, as well as the Bluetooth travel times averaged over the three data collection days. The travel times are broken out into 7-8 AM and 8-9 AM bins.

Table 4: Travel Time Results

#	From/To	Direction	Distance (miles)	Vissim Average Travel Time	Bluetooth Average Travel Time	%Difference/Net Difference
7-8 AM						
1	Capitol/Barbur to Harrison/Naito	NB	2.1	4:51	Not calibrated due to construction impacts on data	
2	Capitol/Barbur to 4th/Lincoln	NB	2.1	5:19	6:09	-14% / **-0:50**
3	Capitol/Barbur to Broadway/Grant	NB	2.0	7:02	7:27	**6%** / 0:25
4	Harrison/Naito to Capitol/Barbur	SB	2.1	3:47	Not calibrated due to construction impacts on data	
5	Broadway/Grant to Capitol/Barbur	SB	2.0	4:25	5:54	-25% / **1:29**
6	RI East to Broadway/Grant	WB	1.3	8:10	9:12	**-11%** / 1:02
7	Broadway/Grant to RI East	EB	1.3	3:58	4:14	-6% / **0:16**
8-9 AM						
1	Capitol/Barbur to Harrison/Naito	NB	2.1	5:58	Not calibrated due to construction impacts on data	
2	Capitol/Barbur to 4th/Lincoln	NB	2.1	6:38	6:28	-3% / **0:10**
3	Capitol/Barbur to Broadway/Grant	NB	2.0	9:08	6:38	38% / **2:30**
4	Harrison/Naito to Capitol/Barbur	SB	2.1	3:50	Not calibrated due to construction impacts on data	
5	Broadway/Grant to Capitol/Barbur	SB	2.0	4:33	5:18	-14% / **0:45**

#	From/To	Direction	Distance (miles)	Vissim Average Travel Time	Bluetooth Average Travel Time	%Difference/Net Difference
6	RI East to Broadway/Grant	WB	1.3	9:07	7:34	**20%** / 1:33
7	Broadway/Grant to RI East	EB	1.3	4:09	4:19	-4% / **0:10**

Green = Meets Vissim Protocol Criteria, **Red** = Fails to meet Vissim Protocol Criteria

The following travel time segments failed to meet the Vissim Protocol criteria of <1 minute for segments <7 minutes and <15% for segments >7 minutes:

- Capitol/Barbur to Harrison/Naito (both 7-8 AM and 8-9 AM) – This was measured in the model to provide a basis for comparison of future alternatives, but was not calibrated due to construction related impacts to the Bluetooth travel time data on Naito Parkway.

- Broadway/Grant to Capitol/Barbur (7-8 AM) – This relatively uncongested travel time segment failed to meet the Vissim Protocol Criteria, with the Vissim travel times about a minute and a half faster than the Bluetooth data. However, the number of trips captured by the Bluetooth was fairly limited (10 or less per day). In addition, due to the wide range (up to 300 feet) of the Bluetooth readers, vehicles still in queue at the SW Broadway/6th Ave signal, or even the I-405 SB Off-Ramp at SW Broadway could be captured, adding up to a minute of extra travel time not included in the Vissim travel time segment.

- RI East to Broadway/Grant (8-9 AM) – The model travel time for this segment is more than two minutes slower than the Bluetooth travel times. Volume balancing adjustments to the counts included an additional 68 vph trips for the northbound left at SW 4th Avenue and SW Caruthers/SW Broadway, which in turn build more residual queuing for the 8-9 AM time interval, leading to increased model travel times.

- RI East to Broadway/Grant (8-9 AM) – The model travel time for this segment is about a minute and a half slower than the Bluetooth travel times. The 8-9 AM Ross Island Bridge volume was increased over the 10/24 count by more than 150 vph to balance against multiple counts throughout the network. The impact of these added vehicles is shown in the higher 8-9 AM travel times. Note that travel times much higher than the 7:34 recorded between 10/23 and 10/24 are commonly experienced on this segment.

Overall, the travel times ranges from VISSIM model on the most critical corridors are either conservative (longer) due to increased volumes from count balancing adjustments or meet the Vissim Protocol Criteria.

Congestion

The simulation model was also used to measure delay relative to desired speed as an indicator of congestion. The figures shown in Attachment G show the relative delay (queues) for each 15-minute interval during the 4-6 PM analysis period, as averaged over 15 simulations. The colors shown in these figures indicate the following approximate queue states:

1. Dark Green = Free flow, no delay
2. Light Green = Slight slowing

3. Yellow = Increased slowing, but not yet stop and go
4. Orange = Furthest extent of stop and go queues, rough approximation of 95th Percentile queue
5. Red = Fluctuates between low speed flow and stopped queue
6. Dark Red = Stop and go queue during the entire 15-minute peak interval

As part of the calibration process, these maps were compared to the Google Traffic maps screenshots captured during field observations and traffic counts.

Base Year Model Measures of Effectiveness

The following measures of effectiveness were collected from the base year model and summarized in the appendices:

- Individual turn movement and total intersection delay at all study intersections for motor vehicles (Attachment H)
- Average and 95th percentile motor vehicle queue lengths (Attachment I)
- Corridor travel times for motor vehicles (Attachment J)

The delay measurements were calculated over the system peak hour interval (7:45-8:45 AM) for each simulation run. Delay reported for a study intersection is measured upstream to the next intersection and not through. To calculate 95th percentile queues, queue length data was collected from Vissim using queue counters on critical approaches and a 120-second interval to reflect queues that form while traffic flow is impeded. The 95th percentile queue was then calculated using a percentile function. Travel times were measured over segments within the study area based on the entering and exiting time stamp of each vehicle traversing the selected segment.

In addition, the following system measures were extracted from the Vissim model.

- Unserved demand at key gateways - During one of the 15 runs, 65 northbound vehicles were unable to enter the network via northbound Corbett Avenue, and 22 at the same location in another run. During all the other simulation runs, the gateways were able to serve the demand (<5 unserved demand).
- Total Network delay (7-9 AM) – 983 vehicle-hours

ATTACHMENTS

Attachment A: Traffic Counts

Attachment B: Existing Volume Development

Attachment C: Lane Utilization Data

Attachment D: Travel Time Data

Attachment E: Google Screenshots

Attachment F: GEH Results

Attachment G: Queue Plots

Attachment H: Intersection Delay

Attachment I: 95th Percentile Queues

Attachment J: Travel Time Results

Attachments

Attachment A: Traffic Counts

Attachment B: Existing Volume Development

Attachment C: Lane Utilization Data

Attachment D: Travel Time Data

Attachment E: Google Screenshots

Attachment F: GEH Results

Attachment G: Queue Plots

Attachment H: Intersection Delay

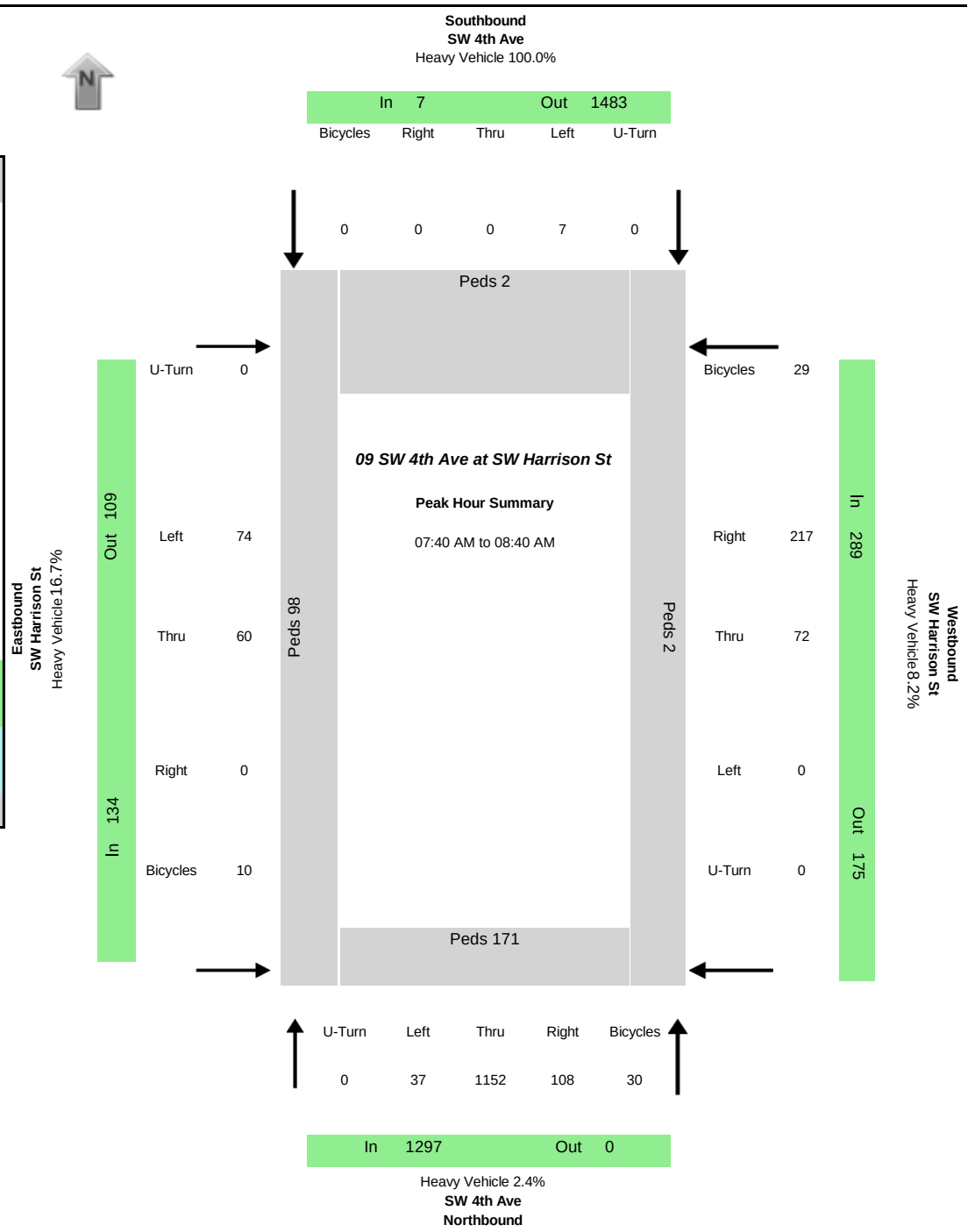
Attachment I: 95th Percentile Queues

Attachment J: Travel Time Results

Attachment A: Traffic Counts

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW 4th Ave*
E/W street	*SW Harrison St*
City, State	Portland OR
Site Notes	
Location	45.510493 - -122.680863
Start Date	Wednesday, October 24, 2018
Start Time	07:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:40:00 AM
Peak 15 Min Start	08:00:00 AM
PHF (15-Min Int)	0.97



Peak-Hour Volumes (PHV)																							
Northbound				**Southbound**				**Eastbound**				**Westbound**				**Entering**				**Leaving**			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
37	1152	108	0	7	0	0	0	74	60	0	0	0	72	217	0	1297	7	134	289	0	1443	109	175
Percent Heavy Vehicles																							
5.4%	2.3%	2.8%	0.0%	100.0%	0.0%	0.0%	0.0%	9.5%	28.3%	0.0%	0.0%	0.0%	22.2%	4.6%	0.0%	2.5%	100.0%	17.9%	9.0%	#DIV/0!	3.0%	16.5%	15.4%

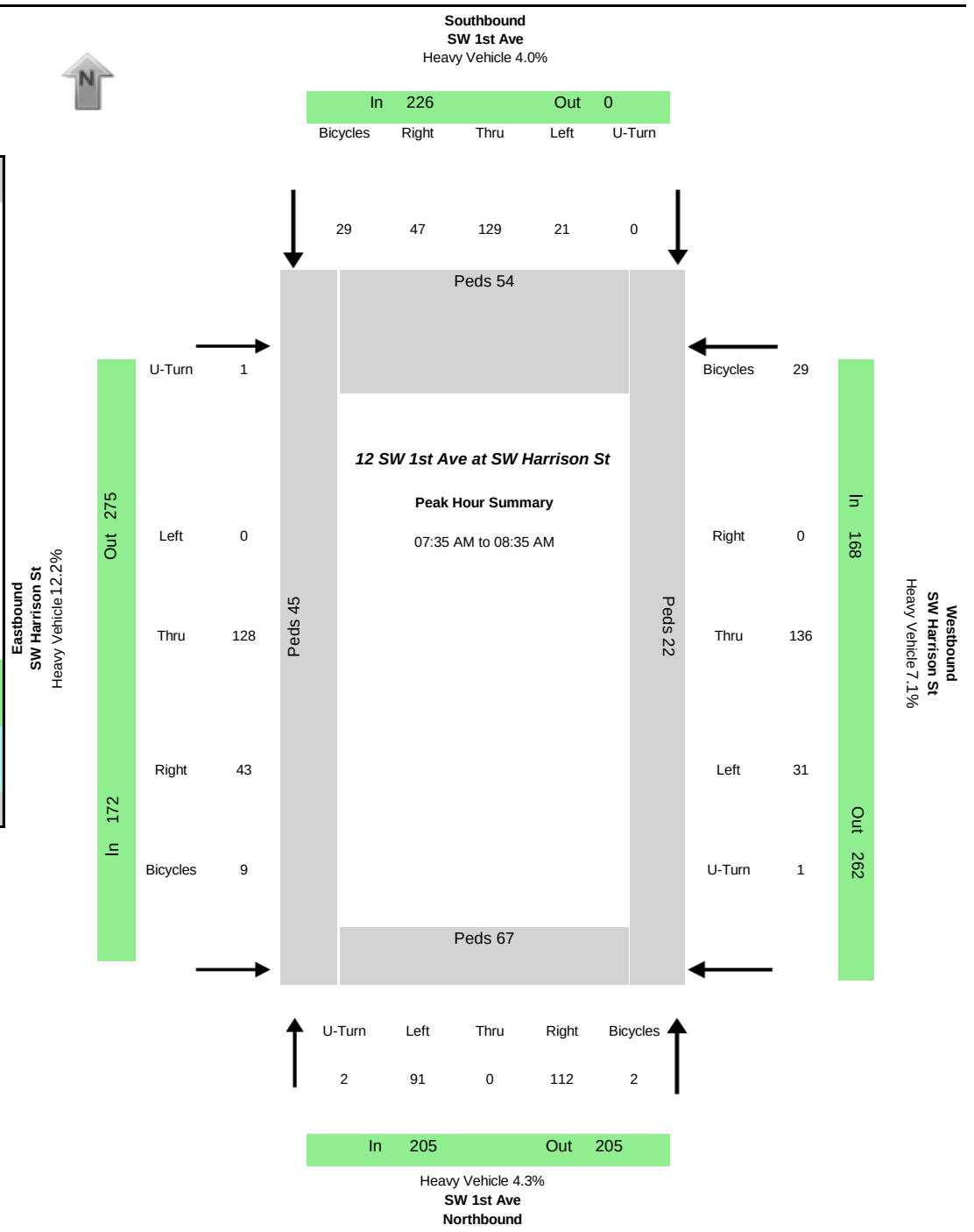
PHV- Bicycles																	PHV - Pedestrians				
Northbound				**Southbound**				**Eastbound**				**Westbound**					in Crosswalk				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**	NB	SB	EB	WB	**Sum**
1	29	0	0	0	0	0	0	5	5	0	0	1	22	6	0	69	171	2	98	2	273

All Vehicle Volumes

	Northbound				**Southbound**				**Eastbound**				**Westbound**					
	SW 4th Ave				SW 4th Ave				SW Harrison St				SW Harrison St				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
07:00:00 AM	1	40	6	0	1	0	0	0	2	0	0	0	0	4	16	0		
07:05:00 AM	0	60	5	0	0	0	0	0	3	3	0	0	0	3	22	0		
07:10:00 AM	0	53	5	0	0	0	0	0	3	7	0	0	0	6	10	0	250	
07:15:00 AM	0	57	5	0	1	0	0	0	1	6	0	0	0	5	13	0	268	
07:20:00 AM	1	65	7	0	1	0	0	0	3	3	0	0	0	4	15	0	271	
07:25:00 AM	1	82	2	0	1	0	0	0	6	7	0	0	0	5	10	0	301	
07:30:00 AM	2	94	4	0	0	0	0	0	5	3	0	0	0	2	13	0	336	
07:35:00 AM	1	81	9	0	0	0	0	0	6	5	0	0	0	2	16	0	357	
07:40:00 AM	2	105	12	0	0	0	0	0	4	7	0	0	0	5	14	0	392	
07:45:00 AM	5	96	10	0	2	0	0	0	3	2	0	0	0	6	16	0	409	
07:50:00 AM	0	114	6	0	0	0	0	0	5	5	0	0	0	7	17	0	443	
07:55:00 AM	8	72	12	0	0	0	0	0	6	4	0	0	0	6	14	0	416	1359
08:00:00 AM	2	119	7	0	2	0	0	0	4	2	0	0	0	7	19	0	438	1451
08:05:00 AM	3	93	8	0	0	0	0	0	12	6	0	0	0	4	22	0	432	1503
08:10:00 AM	4	92	3	0	1	0	0	0	6	2	0	0	0	6	21	0	445	1554
08:15:00 AM	2	89	8	0	0	0	0	0	7	5	0	0	0	6	13	0	413	1596
08:20:00 AM	6	90	12	0	1	0	0	0	7	4	0	0	0	9	27	0	421	1653
08:25:00 AM	3	97	11	0	1	0	0	0	5	5	0	0	0	9	15	0	432	1685
08:30:00 AM	0	95	9	0	0	0	0	0	5	9	0	0	0	5	20	0	445	1705
08:35:00 AM	2	90	10	0	0	0	0	0	10	9	0	0	0	2	19	0	431	1727
08:40:00 AM	4	94	2	0	1	0	0	0	2	2	0	0	0	10	19	0	419	1712
08:45:00 AM	4	100	11	0	1	0	0	0	7	1	0	0	0	4	16	0	420	1716
08:50:00 AM	1	78	4	0	0	0	0	0	7	6	0	0	0	5	20	0	399	1683
08:55:00 AM	3	99	4	0	1	0	0	0	6	2	0	0	0	5	13	0	398	1694

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW 1st Ave*
E/W street	*SW Harrison St*
City, State	Portland OR
Site Notes	
Location	45.509762 - -122.678056
Start Date	Tuesday, October 23, 2018
Start Time	07:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:35:00 AM
Peak 15 Min Start	07:55:00 AM
PHF (15-Min Int)	0.97



Peak-Hour Volumes (PHV)

Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
91	0	112	2	21	129	47	0	0	128	43	1	31	136	0	1	205	197	172	168	205	0	275	262
Percent Heavy Vehicles																							
6.6%	0.0%	2.7%	0.0%	4.8%	3.9%	6.4%	0.0%	0.0%	16.4%	2.3%	0.0%	0.0%	10.3%	0.0%	0.0%	4.4%	4.6%	12.8%	8.3%	2.9%	0.0%	8.4%	9.5%

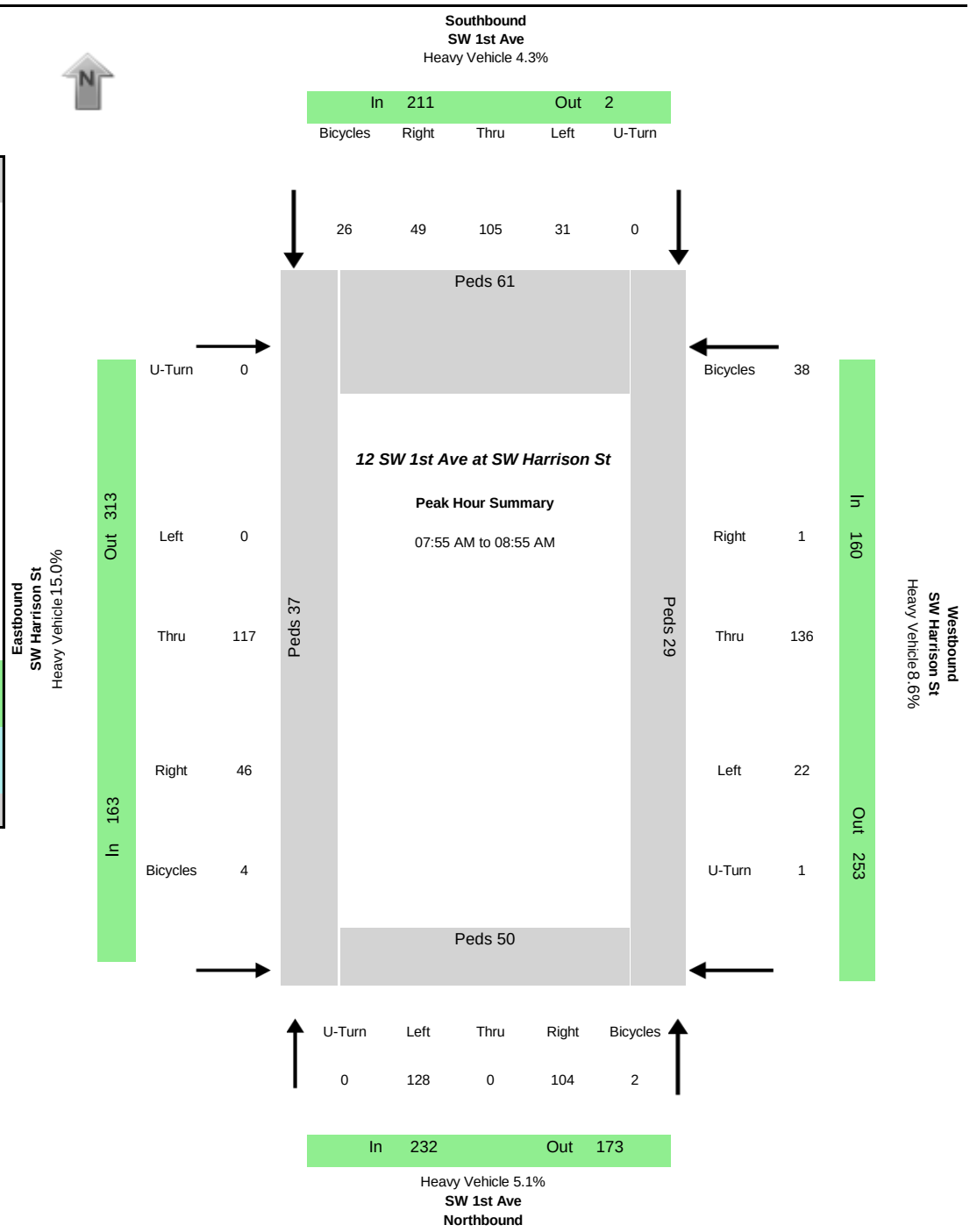
PHV- Bicycles																	PHV - Pedestrians				
																	in Crosswalk				
Northbound				Southbound				Eastbound				Westbound									
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**	NB	SB	EB	WB	**Sum**
1	0	1	0	0	21	8	0	0	7	2	0	1	28	0	0	69	67	54	45	22	188

All Vehicle Volumes

	Northbound				Southbound				Eastbound				Westbound					
	SW 1st Ave				SW 1st Ave				SW Harrison St				SW Harrison St				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
07:00:00 AM	4	0	4	0	1	15	2	0	0	2	6	0	1	13	0	0		
07:05:00 AM	1	0	1	0	2	9	1	0	0	3	0	0	2	9	0	0		
07:10:00 AM	5	0	1	0	0	8	0	0	0	6	3	0	1	10	0	0	110	
07:15:00 AM	3	0	5	0	2	7	1	0	0	9	2	0	2	4	0	0	97	
07:20:00 AM	5	0	2	0	2	10	3	0	0	7	7	0	2	17	0	0	124	
07:25:00 AM	5	0	2	0	5	10	3	0	0	4	1	0	1	10	0	0	131	
07:30:00 AM	11	0	5	0	4	9	1	0	0	8	2	0	3	6	0	0	145	
07:35:00 AM	6	0	12	0	1	12	6	0	0	13	6	0	2	9	0	0	157	
07:40:00 AM	6	0	7	0	4	8	7	0	0	7	3	0	1	12	0	0	171	
07:45:00 AM	9	0	10	0	3	6	1	0	0	13	0	0	1	11	0	0	176	
07:50:00 AM	9	0	6	1	2	17	1	0	0	14	5	0	2	16	0	0	182	
07:55:00 AM	4	0	9	0	1	15	5	0	0	6	2	0	3	10	0	0	182	594
08:00:00 AM	6	0	7	0	3	10	4	0	0	7	7	1	4	13	0	0	190	608
08:05:00 AM	11	0	11	0	1	13	5	0	0	10	2	0	7	14	0	1	192	655
08:10:00 AM	6	0	5	0	1	11	3	0	0	11	2	0	2	13	0	0	191	675
08:15:00 AM	10	0	8	0	3	9	5	0	0	10	3	0	2	9	0	0	188	699
08:20:00 AM	5	0	8	1	1	11	5	0	0	14	4	0	3	12	0	0	177	708
08:25:00 AM	10	0	15	0	0	6	2	0	0	13	6	0	1	9	0	0	185	729
08:30:00 AM	9	0	14	0	1	11	3	0	0	10	3	0	3	8	0	0	188	742
08:35:00 AM	1	0	6	0	3	9	6	0	0	6	7	0	2	6	0	0	170	721
08:40:00 AM	8	0	9	0	1	11	3	0	0	7	1	0	0	16	0	0	164	722
08:45:00 AM	6	0	5	0	1	8	6	0	0	8	3	0	2	25	0	0	166	732
08:50:00 AM	5	0	6	0	4	9	3	0	0	5	1	0	5	12	0	0	170	709
08:55:00 AM	3	0	8	0	6	11	3	0	0	6	3	0	1	7	0	0	162	702

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW 1st Ave*
E/W street	*SW Harrison St*
City, State	Portland OR
Site Notes	
Location	45.509762 - -122.678056
Start Date	Wednesday, October 24, 2018
Start Time	07:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:55:00 AM
Peak 15 Min Start	08:15:00 AM
PHF (15-Min Int)	0.93



Peak-Hour Volumes (PHV)																							
Northbound				**Southbound**				**Eastbound**				**Westbound**				**Entering**				**Leaving**			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
128	0	104	0	31	105	49	0	0	117	46	0	22	136	1	1	232	185	163	160	173	1	313	253
Percent Heavy Vehicles																							
7.8%	0.0%	1.9%	0.0%	3.2%	2.9%	10.2%	0.0%	0.0%	19.7%	4.3%	0.0%	0.0%	12.5%	0.0%	0.0%	5.2%	4.9%	15.3%	10.6%	2.9%	0.0%	10.2%	10.3%

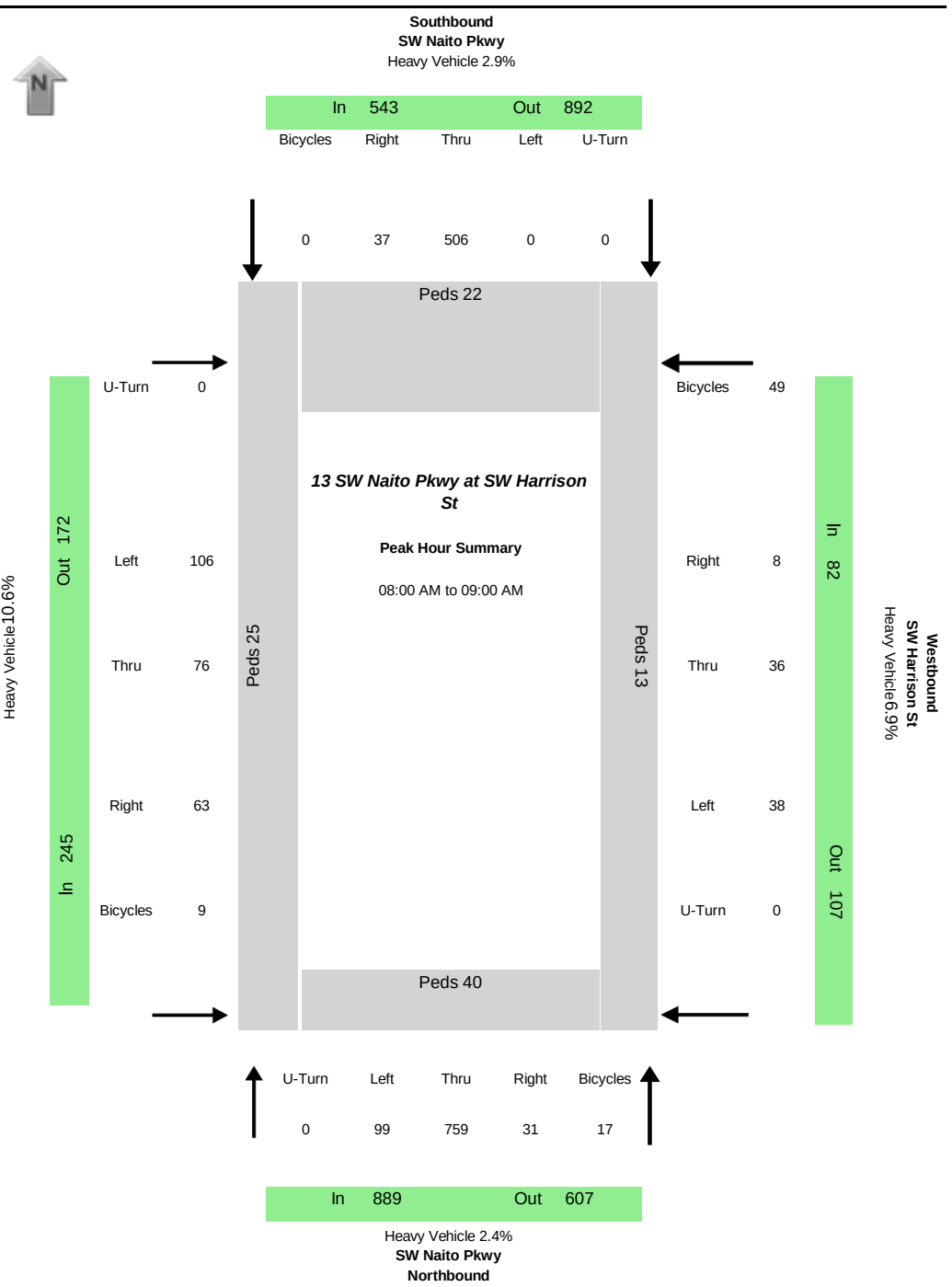
PHV- Bicycles																	PHV - Pedestrians				
Northbound				**Southbound**				**Eastbound**				**Westbound**					in Crosswalk				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**	NB	SB	EB	WB	**Sum**
2	0	0	0	0	21	5	0	0	4	0	0	1	36	1	0	70	50	61	37	29	177

All Vehicle Volumes

	Northbound				**Southbound**				**Eastbound**				**Westbound**					
	SW 1st Ave				SW 1st Ave				SW Harrison St				SW Harrison St				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
07:00:00 AM	2	0	0	0	1	9	1	0	0	4	3	0	2	13	0	0		
07:05:00 AM	3	0	3	0	0	4	0	0	0	4	2	0	1	21	0	0		
07:10:00 AM	3	0	2	0	1	13	1	0	0	8	5	0	3	12	0	0	121	
07:15:00 AM	4	0	2	0	3	11	4	0	0	12	2	0	1	9	0	0	134	
07:20:00 AM	5	0	4	0	0	10	2	0	0	9	2	0	1	11	0	0	140	
07:25:00 AM	3	0	6	1	2	5	3	0	0	3	6	0	0	3	0	0	124	
07:30:00 AM	6	0	2	0	1	6	3	0	0	7	4	0	4	9	0	0	118	
07:35:00 AM	5	0	4	0	6	7	1	0	0	11	1	0	3	11	0	0	123	
07:40:00 AM	8	0	13	0	3	10	2	0	0	13	7	0	4	6	0	0	157	
07:45:00 AM	6	0	4	0	1	12	1	0	0	11	3	0	0	11	0	0	164	
07:50:00 AM	4	0	6	0	2	9	4	0	0	8	3	0	1	19	0	0	171	
07:55:00 AM	11	0	9	0	0	9	2	0	0	12	4	0	2	9	0	0	163	565
08:00:00 AM	6	0	10	0	3	11	6	0	0	7	3	0	1	13	1	0	175	591
08:05:00 AM	9	0	6	0	0	6	4	0	0	9	4	0	2	13	0	0	172	606
08:10:00 AM	11	0	4	0	4	16	2	0	0	9	1	0	3	11	0	0	175	619
08:15:00 AM	8	0	10	0	1	10	3	0	0	8	7	0	1	9	0	0	171	628
08:20:00 AM	17	0	12	0	3	4	7	0	0	12	6	0	4	14	0	0	197	663
08:25:00 AM	7	0	7	0	2	10	8	0	0	12	5	0	0	12	0	1	200	695
08:30:00 AM	10	0	8	0	2	4	3	0	0	9	1	0	2	13	0	0	195	705
08:35:00 AM	15	0	9	0	1	9	0	0	0	16	9	0	0	7	0	0	182	722
08:40:00 AM	13	0	7	0	6	6	6	0	0	7	2	0	0	13	0	0	178	716
08:45:00 AM	11	0	10	0	4	10	4	0	0	9	1	0	2	10	0	0	187	728
08:50:00 AM	10	0	12	0	5	10	4	0	0	7	3	0	5	12	0	0	189	740
08:55:00 AM	3	0	5	0	7	10	8	0	0	8	1	0	3	8	0	0	182	735

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW Naito Pkwy*
E/W street	*SW Harrison St*
City, State	Portland OR
Site Notes	
Location	45.509459 - -122.676955
Start Date	Tuesday, October 23, 2018
Start Time	06:00:00 AM
Weather	
Study ID #	
Peak Hour Start	08:00:00 AM
Peak 15 Min Start	08:20:00 AM
PHF (15-Min Int)	0.95



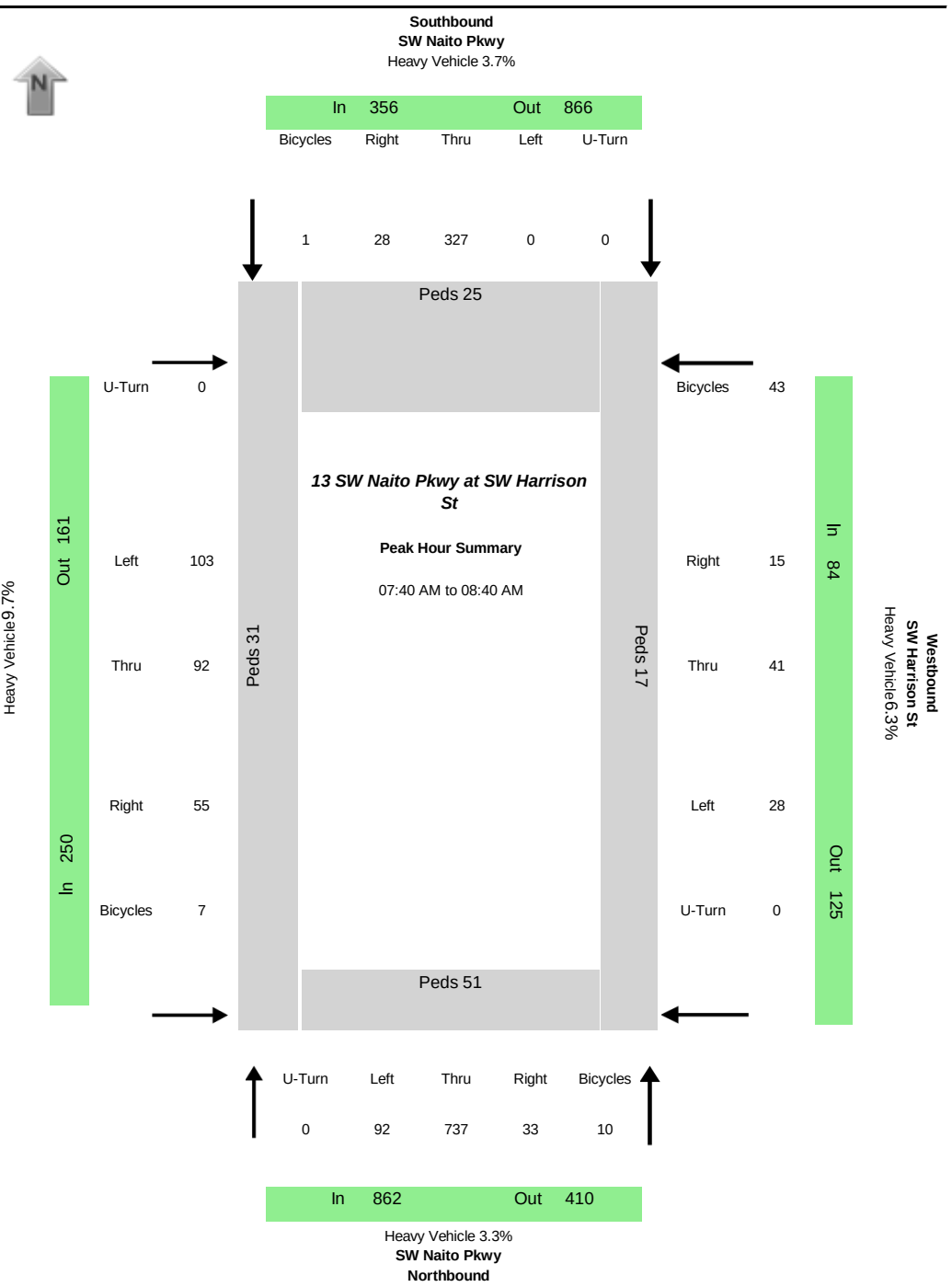
Peak-Hour Volumes (PHV)																							
Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
99	759	31	0	0	506	37	0	106	76	63	0	38	36	8	0	889	543	245	82	607	873	172	107
Percent Heavy Vehicles																							
6.1%	2.1%	0.0%	0.0%	0.0%	2.8%	5.4%	0.0%	2.8%	22.4%	11.1%	0.0%	5.3%	19.4%	0.0%	0.0%	2.5%	2.9%	11.0%	11.0%	3.8%	2.2%	8.7%	15.9%

PHV- Bicycles																	PHV - Pedestrians				
Northbound				Southbound				Eastbound				Westbound					in Crosswalk				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**	NB	SB	EB	WB	**Sum**
0	16	1	0	0	0	0	0	2	7	0	0	6	42	1	0	75	40	22	25	13	100

All Vehicle Volumes																		
	Northbound				Southbound				Eastbound				Westbound					
	SW Naito Pkwy				SW Naito Pkwy				SW Harrison St				SW Harrison St				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
06:00:00 AM	2	18	2	0	0	8	2	0	2	3	0	0	0	0	0	0		
06:05:00 AM	1	25	0	0	0	12	0	0	4	0	1	0	0	1	0	0		
06:10:00 AM	2	29	1	0	0	12	1	0	1	2	1	0	1	0	0	0	131	
06:15:00 AM	5	22	2	0	0	6	2	0	0	3	1	0	1	0	0	0	136	
06:20:00 AM	3	34	2	0	0	8	0	0	1	0	1	0	0	0	0	0	141	
06:25:00 AM	3	46	0	0	0	10	1	0	2	3	1	0	0	0	0	0	157	
06:30:00 AM	1	46	1	0	0	13	1	0	3	1	1	0	0	3	0	0	185	
06:35:00 AM	6	46	2	0	0	9	4	0	5	2	1	0	0	1	0	0	212	
06:40:00 AM	3	68	2	0	0	13	3	0	3	8	1	0	0	2	0	0	249	
06:45:00 AM	2	61	0	0	0	8	2	0	2	1	0	0	1	1	0	0	257	
06:50:00 AM	7	82	5	0	0	14	5	0	1	3	2	0	1	1	0	0	302	
06:55:00 AM	8	61	0	0	0	13	1	0	3	2	3	0	0	0	3	0	293	830
07:00:00 AM	13	60	3	0	0	13	1	0	3	6	0	0	1	2	0	0	317	895
07:05:00 AM	5	69	3	0	0	17	0	0	3	2	1	0	3	4	0	0	303	958
07:10:00 AM	10	66	4	0	0	26	1	0	0	4	1	0	3	2	0	0	326	1025
07:15:00 AM	4	68	1	0	0	18	0	0	8	7	5	0	2	2	0	0	339	1098
07:20:00 AM	12	64	0	0	0	21	4	0	4	5	0	0	1	5	0	0	348	1165
07:25:00 AM	8	63	5	0	0	24	1	0	6	5	1	0	1	2	1	0	348	1216
07:30:00 AM	4	68	6	0	0	23	1	0	4	11	5	0	0	2	2	0	359	1272
07:35:00 AM	7	59	2	0	0	22	3	0	11	9	1	0	0	4	1	0	362	1315
07:40:00 AM	9	66	5	0	0	27	2	0	7	11	4	0	2	1	3	0	382	1349
07:45:00 AM	6	59	2	0	0	30	2	0	10	11	4	0	4	4	1	0	389	1404
07:50:00 AM	10	68	4	0	0	28	3	0	3	12	4	0	2	4	1	0	409	1422
07:55:00 AM	13	55	4	0	0	25	2	0	5	8	3	0	7	3	2	0	399	1455
08:00:00 AM	8	62	7	0	0	30	3	0	10	8	6	0	3	4	1	0	408	1495
08:05:00 AM	7	63	3	0	0	36	7	0	6	8	6	0	5	5	2	0	417	1536
08:10:00 AM	5	74	1	0	0	40	5	0	8	3	3	0	3	5	2	0	439	1568
08:15:00 AM	10	58	2	0	0	31	0	0	10	9	7	0	2	3	0	0	429	1585
08:20:00 AM	6	61	3	0	0	46	4	0	11	7	5	0	5	3	0	0	432	1620
08:25:00 AM	7	67	2	0	0	42	2	0	13	6	7	0	2	1	0	0	432	1652
08:30:00 AM	6	66	0	0	0	49	4	0	13	13	3	0	5	3	0	0	462	1688
08:35:00 AM	7	58	3	0	0	39	1	0	7	3	7	0	5	3	0	0	444	1702
08:40:00 AM	8	61	1	0	0	41	2	0	7	5	5	0	2	3	2	0	432	1702
08:45:00 AM	21	70	3	0	0	61	1	0	7	3	6	0	3	3	0	0	448	1747
08:50:00 AM	8	65	5	0	0	49	7	0	4	3	3	0	1	2	0	0	462	1755
08:55:00 AM	6	54	1	0	0	42	1	0	10	8	5	0	2	1	1	0	456	1759

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW Naito Pkwy*
E/W street	*SW Harrison St*
City, State	Portland OR
Site Notes	
Location	45.509459 - -122.676955
Start Date	Wednesday, October 24, 2018
Start Time	06:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:40:00 AM
Peak 15 Min Start	07:50:00 AM
PHF (15-Min Int)	0.94



Peak-Hour Volumes (PHV)

Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
92	737	33	0	0	327	28	0	103	92	55	0	28	41	15	0	862	355	250	84	410	855	161	125

Percent Heavy Vehicles

8.7%	2.8%	0.0%	0.0%	0.0%	3.4%	7.1%	0.0%	2.9%	16.3%	12.7%	0.0%	0.0%	17.1%	6.7%	0.0%	3.4%	3.7%	10.0%	9.5%	4.4%	2.9%	10.6%	12.0%

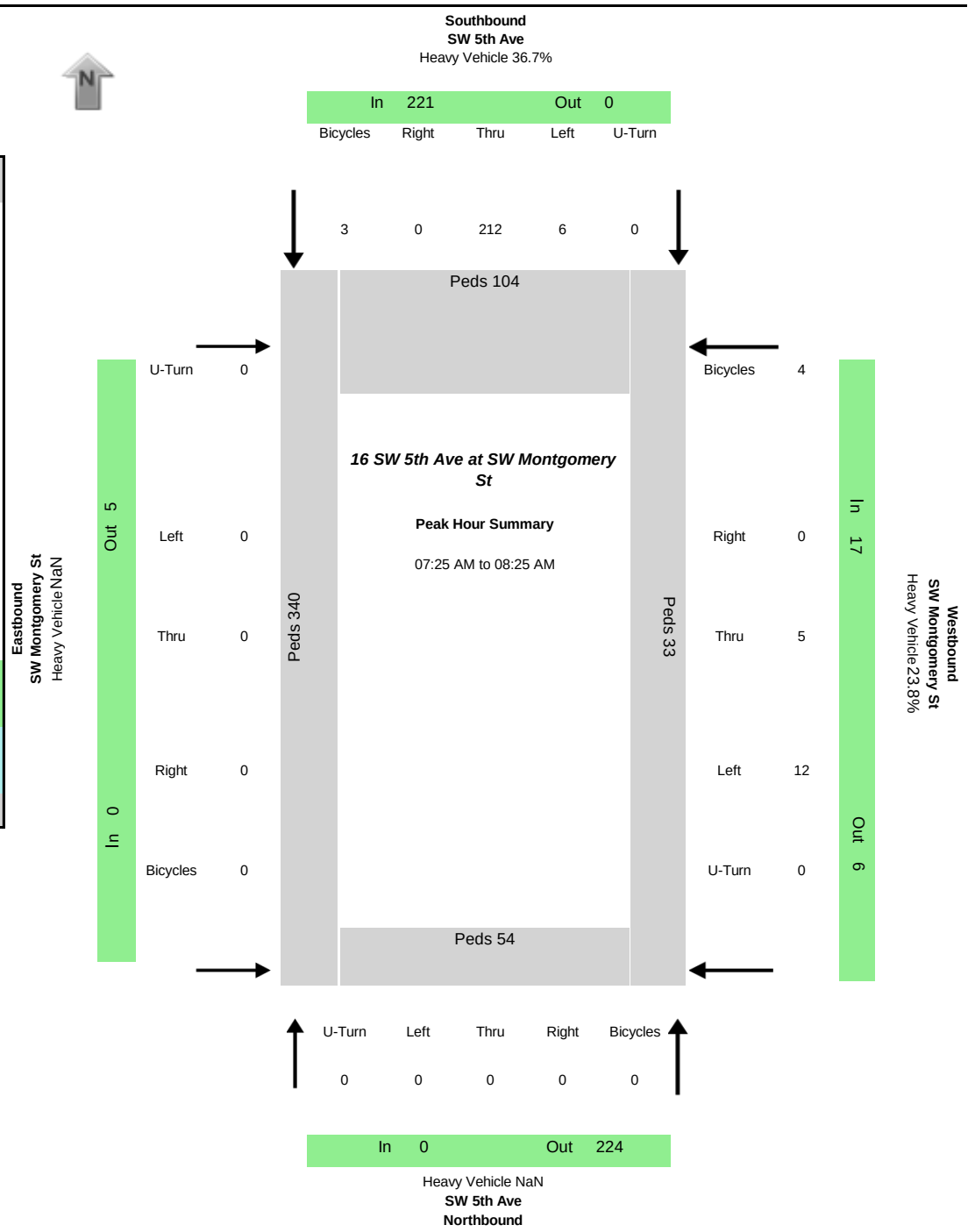
PHV- Bicycles																	PHV - Pedestrians				
Northbound				Southbound				Eastbound				Westbound					in Crosswalk				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**	NB	SB	EB	WB	**Sum**
0	10	0	0	0	0	1	0	1	6	0	0	4	39	0	0	61	51	25	31	17	124

All Vehicle Volumes

	Northbound				Southbound				Eastbound				Westbound					
	SW Naito Pkwy				SW Naito Pkwy				SW Harrison St				SW Harrison St				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
06:00:00 AM	6	20	2	0	0	8	2	0	2	1	2	0	0	1	0	0		
06:05:00 AM	1	30	0	0	0	9	0	0	3	0	2	0	0	0	0	0		
06:10:00 AM	2	29	2	0	0	12	2	0	1	4	0	0	0	1	0	0	142	
06:15:00 AM	1	18	1	0	0	6	0	0	2	3	3	1	0	1	0	0	134	
06:20:00 AM	1	36	3	0	0	11	2	0	2	1	2	0	1	0	1	0	149	
06:25:00 AM	4	39	0	0	0	12	1	0	2	1	1	0	1	0	0	0	157	
06:30:00 AM	2	59	0	0	0	20	3	0	1	2	1	0	0	1	0	0	210	
06:35:00 AM	4	38	2	0	0	10	3	0	5	5	1	0	2	1	0	0	221	
06:40:00 AM	6	55	1	0	0	14	3	0	0	4	0	0	1	0	0	0	244	
06:45:00 AM	2	71	2	0	0	9	1	0	1	4	0	0	1	1	0	0	247	
06:50:00 AM	13	82	1	0	0	13	2	0	1	4	2	0	0	0	0	0	294	
06:55:00 AM	6	67	2	0	0	18	0	0	1	5	0	0	1	1	0	0	311	854
07:00:00 AM	12	56	3	0	0	12	1	0	0	1	3	0	2	3	1	0	313	904
07:05:00 AM	13	64	4	0	0	17	5	0	3	5	0	0	3	4	0	0	313	977
07:10:00 AM	9	68	0	0	0	21	3	0	0	6	3	0	1	3	1	0	327	1039
07:15:00 AM	6	68	5	0	0	22	4	0	3	10	0	0	0	0	1	0	352	1122
07:20:00 AM	10	67	4	0	0	18	2	0	4	8	6	0	1	1	0	0	355	1183
07:25:00 AM	2	68	3	0	0	12	0	0	3	3	3	0	0	1	0	0	335	1217
07:30:00 AM	8	70	7	0	0	23	3	0	2	8	3	0	3	5	0	0	348	1260
07:35:00 AM	8	65	3	0	0	19	2	0	8	7	3	0	0	2	1	0	345	1307
07:40:00 AM	5	58	6	0	0	21	2	0	9	17	4	0	5	2	3	0	382	1355
07:45:00 AM	6	59	5	0	0	25	0	0	7	9	3	0	2	5	0	0	371	1384
07:50:00 AM	12	71	6	0	0	35	4	0	4	7	3	0	4	5	2	0	406	1419
07:55:00 AM	9	58	4	0	0	19	2	0	8	9	6	0	2	3	0	0	394	1438
08:00:00 AM	6	69	1	0	0	31	2	0	10	8	4	0	4	2	1	0	411	1482
08:05:00 AM	10	60	3	0	0	23	5	0	6	5	4	0	2	3	1	0	380	1486
08:10:00 AM	6	70	1	0	0	31	3	0	11	2	3	0	2	2	1	0	392	1503
08:15:00 AM	6	55	0	0	0	29	1	0	13	5	1	0	0	6	2	0	372	1502
08:20:00 AM	9	56	3	0	0	27	2	0	6	11	9	0	0	4	0	0	377	1508
08:25:00 AM	7	66	1	0	0	28	3	0	8	3	8	0	4	3	1	0	377	1545
08:30:00 AM	11	59	3	0	0	28	3	0	10	6	4	0	3	2	1	0	389	1543
08:35:00 AM	5	56	0	0	0	30	1	0	11	10	6	0	0	4	3	0	388	1551
08:40:00 AM	7	49	1	0	0	25	3	0	10	8	4	0	4	2	0	0	369	1532
08:45:00 AM	4	68	5	0	0	28	5	0	10	9	3	0	1	2	0	0	374	1546
08:50:00 AM	7	66	5	0	0	19	8	0	8	8	7	0	2	1	1	0	380	1525
08:55:00 AM	10	56	4	0	0	23	3	0	13	7	2	0	1	1	0	0	387	1525

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW 5th Ave*
E/W street	*SW Montgomery St*
City, State	Portland OR
Site Notes	
Location	45.511468 - -122.681541
Start Date	Thursday, October 25, 2018
Start Time	07:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:25:00 AM
Peak 15 Min Start	07:40:00 AM
PHF (15-Min Int)	0.76



Peak-Hour Volumes (PHV)																							
Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
0	0	0	0	6	212	0	0	0	0	0	0	12	5	0	0	0	218	0	17	224	0	5	6
Percent Heavy Vehicles																							
0.0%	0.0%	0.0%	0.0%	100.0%	35.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	#DIV/0!	37.2%	#DIV/0!	29.4%	33.5%	0.0%	100.0%	100.0%

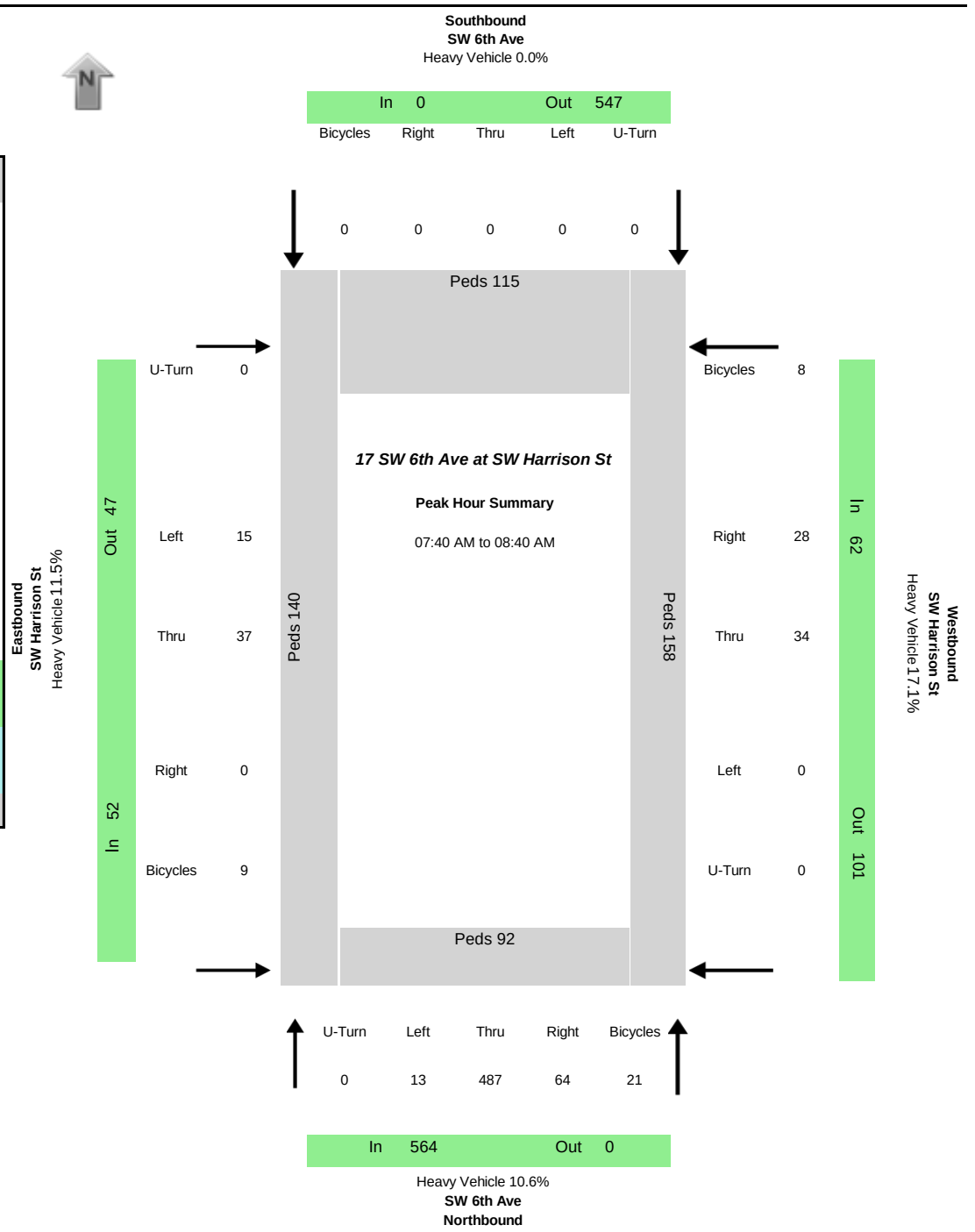
PHV- Bicycles																	PHV - Pedestrians				
Northbound				Southbound				Eastbound				Westbound					in Crosswalk				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**	NB	SB	EB	WB	**Sum**
0	0	0	0	0	3	0	0	0	0	0	0	0	4	0	0	7	54	104	340	33	531

All Vehicle Volumes

	Northbound				Southbound				Eastbound				Westbound					
	SW 5th Ave				SW 5th Ave				SW Montgomery St				SW Montgomery St				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
07:00:00 AM	0	0	0	0	1	10	0	0	0	0	0	0	0	0	0	0		
07:05:00 AM	0	0	0	0	0	11	0	0	0	0	0	0	2	0	0	0		
07:10:00 AM	0	0	0	0	1	11	0	0	0	0	0	0	0	0	0	0	36	
07:15:00 AM	0	0	0	0	0	16	0	0	0	0	0	0	1	1	0	0	43	
07:20:00 AM	0	0	0	0	1	6	0	0	0	0	0	0	2	1	0	0	40	
07:25:00 AM	0	0	0	0	1	22	0	0	0	0	0	0	0	0	0	0	51	
07:30:00 AM	0	0	0	0	0	15	0	0	0	0	0	0	0	1	0	0	49	
07:35:00 AM	0	0	0	0	0	15	0	0	0	0	0	0	0	0	0	0	54	
07:40:00 AM	0	0	0	0	1	20	0	0	0	0	0	0	1	0	0	0	53	
07:45:00 AM	0	0	0	0	0	32	0	0	0	0	0	0	1	0	0	0	70	
07:50:00 AM	0	0	0	0	0	19	0	0	0	0	0	0	1	2	0	0	77	
07:55:00 AM	0	0	0	0	1	19	0	0	0	0	0	0	0	0	0	0	75	215
08:00:00 AM	0	0	0	0	1	16	0	0	0	0	0	0	0	0	0	0	59	221
08:05:00 AM	0	0	0	0	0	10	0	0	0	0	0	0	1	0	0	0	48	219
08:10:00 AM	0	0	0	0	1	19	0	0	0	0	0	0	4	2	0	0	54	233
08:15:00 AM	0	0	0	0	0	13	0	0	0	0	0	0	3	0	0	0	53	231
08:20:00 AM	0	0	0	0	1	12	0	0	0	0	0	0	1	0	0	0	56	235
08:25:00 AM	0	0	0	0	1	10	0	0	0	0	0	0	1	0	0	0	42	224
08:30:00 AM	0	0	0	0	0	11	0	0	0	0	0	0	3	1	0	0	41	223
08:35:00 AM	0	0	0	0	0	11	0	0	0	0	0	0	0	1	0	0	39	220
08:40:00 AM	0	0	0	0	2	27	0	0	0	0	0	0	6	0	0	0	62	233
08:45:00 AM	0	0	0	0	0	23	0	0	0	0	0	0	2	1	0	0	73	226
08:50:00 AM	0	0	0	0	0	15	0	0	0	0	0	0	0	1	0	0	77	220
08:55:00 AM	0	0	0	0	1	12	0	0	0	0	0	0	0	0	0	0	55	213

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW 6th Ave*
E/W street	*SW Harrison St*
City, State	Portland OR
Site Notes	
Location	45.511057 - -122.682932
Start Date	Thursday, October 25, 2018
Start Time	07:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:40:00 AM
Peak 15 Min Start	07:55:00 AM
PHF (15-Min Int)	0.88



Peak-Hour Volumes (PHV)

Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
13	487	64	0	0	0	0	0	15	37	0	0	0	34	28	0	564	0	52	62	0	530	47	101

Percent Heavy Vehicles

23.1%	12.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	20.0%	10.8%	0.0%	0.0%	0.0%	0.0%	42.9%	0.0%	11.0%	0.0%	13.5%	19.4%	#DIV/0!	14.0%	6.4%	4.0%

PHV- Bicycles

Northbound				Southbound				Eastbound				Westbound				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**
1	16	4	0	0	0	0	0	0	9	0	0	0	7	1	0	38

PHV - Pedestrians

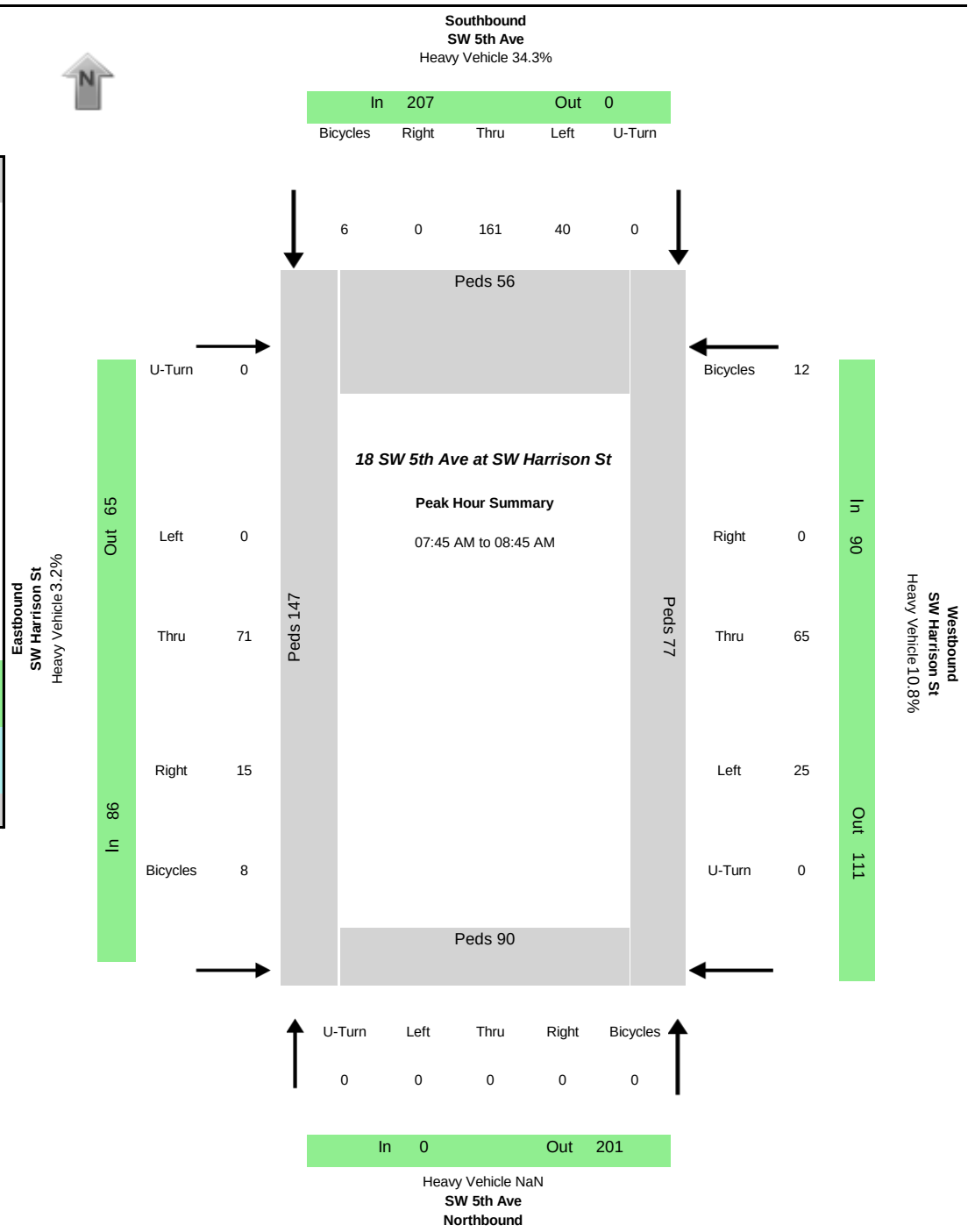
in Crosswalk				
NB	SB	EB	WB	**Sum**
92	115	140	158	505

All Vehicle Volumes

	Northbound				Southbound				Eastbound				Westbound					
	SW 6th Ave				SW 6th Ave				SW Harrison St				SW Harrison St				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
07:00:00 AM	0	25	3	0	0	0	0	0	0	0	0	0	0	0	0	0		
07:05:00 AM	0	22	3	0	0	0	0	0	1	0	0	0	0	2	2	0		
07:10:00 AM	1	16	4	0	0	0	0	0	0	3	0	0	0	2	1	0	85	
07:15:00 AM	0	18	2	0	0	0	0	0	0	6	0	0	0	1	2	0	86	
07:20:00 AM	0	25	5	0	0	0	0	0	0	3	0	0	0	3	4	0	96	
07:25:00 AM	0	36	5	0	0	0	0	0	0	2	0	0	0	4	3	0	119	
07:30:00 AM	0	22	7	0	0	0	0	0	0	0	0	0	0	1	2	0	122	
07:35:00 AM	1	20	9	0	0	0	0	0	1	7	0	0	0	1	1	0	122	
07:40:00 AM	2	36	6	0	0	0	0	0	1	4	0	0	0	3	1	0	125	
07:45:00 AM	1	48	2	0	0	0	0	0	2	2	0	0	0	4	3	0	155	
07:50:00 AM	1	44	4	0	0	0	0	0	3	4	0	0	0	3	2	0	176	
07:55:00 AM	3	50	4	0	0	0	0	0	1	2	0	0	0	2	2	0	187	516
08:00:00 AM	0	44	2	0	0	0	0	0	1	2	0	0	0	2	4	0	180	543
08:05:00 AM	2	48	10	0	0	0	0	0	5	5	0	0	0	2	1	0	192	586
08:10:00 AM	1	41	5	0	0	0	0	0	0	2	0	0	0	0	1	0	178	609
08:15:00 AM	1	38	5	0	0	0	0	0	0	4	0	0	0	4	3	0	178	635
08:20:00 AM	1	29	2	0	0	0	0	0	2	3	0	0	0	3	4	0	149	639
08:25:00 AM	0	35	4	0	0	0	0	0	0	5	0	0	0	2	0	0	145	635
08:30:00 AM	0	42	8	0	0	0	0	0	0	2	0	0	0	3	4	0	149	662
08:35:00 AM	1	32	12	0	0	0	0	0	0	2	0	0	0	6	3	0	161	678
08:40:00 AM	1	24	8	0	0	0	0	0	0	7	0	0	0	1	3	0	159	669
08:45:00 AM	1	40	14	0	0	0	0	0	0	7	0	0	0	1	3	0	166	673
08:50:00 AM	0	34	11	0	0	0	0	0	0	4	0	0	0	3	4	0	166	668
08:55:00 AM	3	29	5	0	0	0	0	0	3	0	0	0	0	0	1	0	163	645

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW 5th Ave*
E/W street	*SW Harrison St*
City, State	Portland OR
Site Notes	
Location	45.510805 - -122.681936
Start Date	Thursday, October 25, 2018
Start Time	07:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:45:00 AM
Peak 15 Min Start	07:45:00 AM
PHF (15-Min Int)	0.86



Peak-Hour Volumes (PHV)

Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
0	0	0	0	40	161	0	0	0	71	15	0	25	65	0	0	0	201	86	90	201	0	65	111
Percent Heavy Vehicles																							
0.0%	0.0%	0.0%	0.0%	27.5%	37.3%	0.0%	0.0%	0.0%	2.8%	6.7%	0.0%	8.0%	13.8%	0.0%	0.0%	#DIV/0!	35.3%	3.5%	12.2%	31.3%	0.0%	13.8%	11.7%

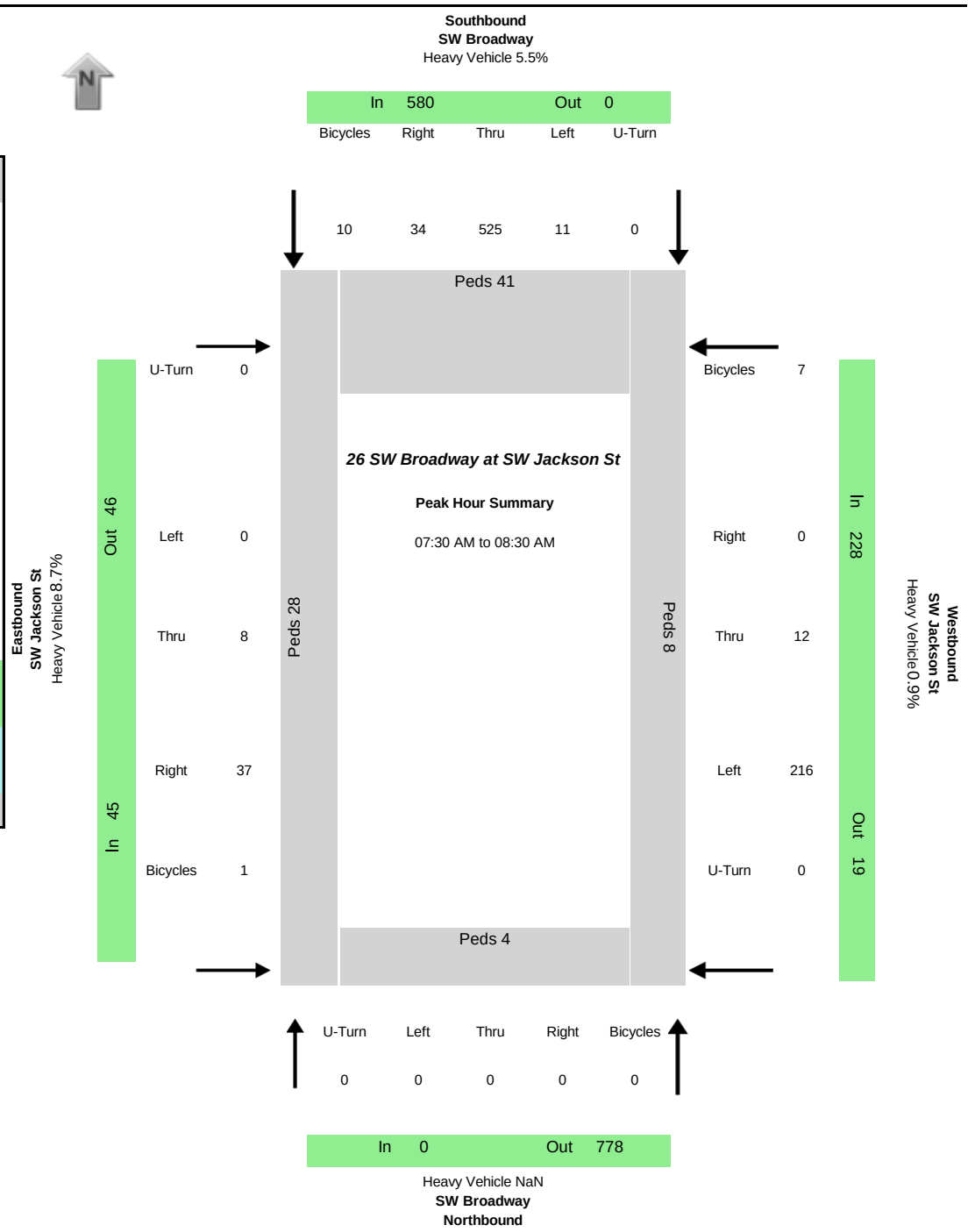
PHV- Bicycles																	PHV - Pedestrians				
Northbound				Southbound				Eastbound				Westbound					in Crosswalk				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**	NB	SB	EB	WB	**Sum**
0	0	0	0	1	4	1	0	0	6	2	0	2	10	0	0	26	90	56	147	77	370

All Vehicle Volumes

	Northbound				Southbound				Eastbound				Westbound					
	SW 5th Ave				SW 5th Ave				SW Harrison St				SW Harrison St				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
07:00:00 AM	0	0	0	0	4	9	0	0	0	1	2	0	3	1	0	0		
07:05:00 AM	0	0	0	0	4	8	0	0	0	2	1	0	3	3	0	0		
07:10:00 AM	0	0	0	0	0	11	0	0	0	5	0	0	1	4	0	0	62	
07:15:00 AM	0	0	0	0	4	12	0	0	0	6	3	0	0	4	0	0	71	
07:20:00 AM	0	0	0	0	1	6	0	0	0	7	1	0	1	8	0	0	74	
07:25:00 AM	0	0	0	0	5	15	0	0	0	4	1	0	4	6	0	0	88	
07:30:00 AM	0	0	0	0	2	16	0	0	0	4	2	0	1	3	0	0	87	
07:35:00 AM	0	0	0	0	5	9	0	0	0	9	2	0	1	3	0	0	92	
07:40:00 AM	0	0	0	0	4	14	0	0	0	8	0	0	3	5	0	0	91	
07:45:00 AM	0	0	0	0	9	21	0	0	0	4	0	0	2	7	0	0	106	
07:50:00 AM	0	0	0	0	6	14	0	0	0	5	2	0	6	6	0	0	116	
07:55:00 AM	0	0	0	0	0	17	0	0	0	4	2	0	0	4	0	0	109	350
08:00:00 AM	0	0	0	0	2	12	0	0	0	3	2	0	4	5	0	0	94	358
08:05:00 AM	0	0	0	0	0	12	0	0	0	9	1	0	2	3	0	0	82	364
08:10:00 AM	0	0	0	0	5	17	0	0	0	4	2	0	0	1	0	0	84	372
08:15:00 AM	0	0	0	0	3	10	0	0	0	6	2	0	1	8	0	0	86	373
08:20:00 AM	0	0	0	0	1	11	0	0	0	4	0	0	0	7	0	0	82	372
08:25:00 AM	0	0	0	0	2	6	0	0	0	8	1	0	3	6	0	0	79	363
08:30:00 AM	0	0	0	0	2	11	0	0	0	6	1	0	3	6	0	0	78	364
08:35:00 AM	0	0	0	0	2	9	0	0	0	7	2	0	4	9	0	0	88	368
08:40:00 AM	0	0	0	0	8	21	0	0	0	11	0	0	0	3	0	0	105	377
08:45:00 AM	0	0	0	0	3	13	0	0	0	14	3	0	3	5	0	0	117	375
08:50:00 AM	0	0	0	0	2	14	0	0	0	9	3	0	2	8	0	0	122	374
08:55:00 AM	0	0	0	0	5	12	0	0	0	4	1	0	5	2	0	0	108	376

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW Broadway*
E/W street	*SW Jackson St*
City, State	Portland OR
Site Notes	
Location	45.509351 - -122.685026
Start Date	Thursday, October 25, 2018
Start Time	07:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:30:00 AM
Peak 15 Min Start	07:40:00 AM
PHF (15-Min Int)	0.81



Peak-Hour Volumes (PHV)

Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
0	0	0	0	11	525	34	0	0	8	37	0	216	12	0	0	0	570	45	228	778	0	46	19

Percent Heavy Vehicles

0.0%	0.0%	0.0%	0.0%	0.0%	5.1%	14.7%	0.0%	0.0%	12.5%	8.1%	0.0%	0.9%	0.0%	0.0%	0.0%	#DIV/0!	5.6%	8.9%	0.9%	4.1%	0.0%	10.9%	5.3%

PHV- Bicycles

Northbound				Southbound				Eastbound				Westbound				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**
0	0	0	0	0	9	1	0	0	0	1	0	0	7	0	0	18

PHV - Pedestrians

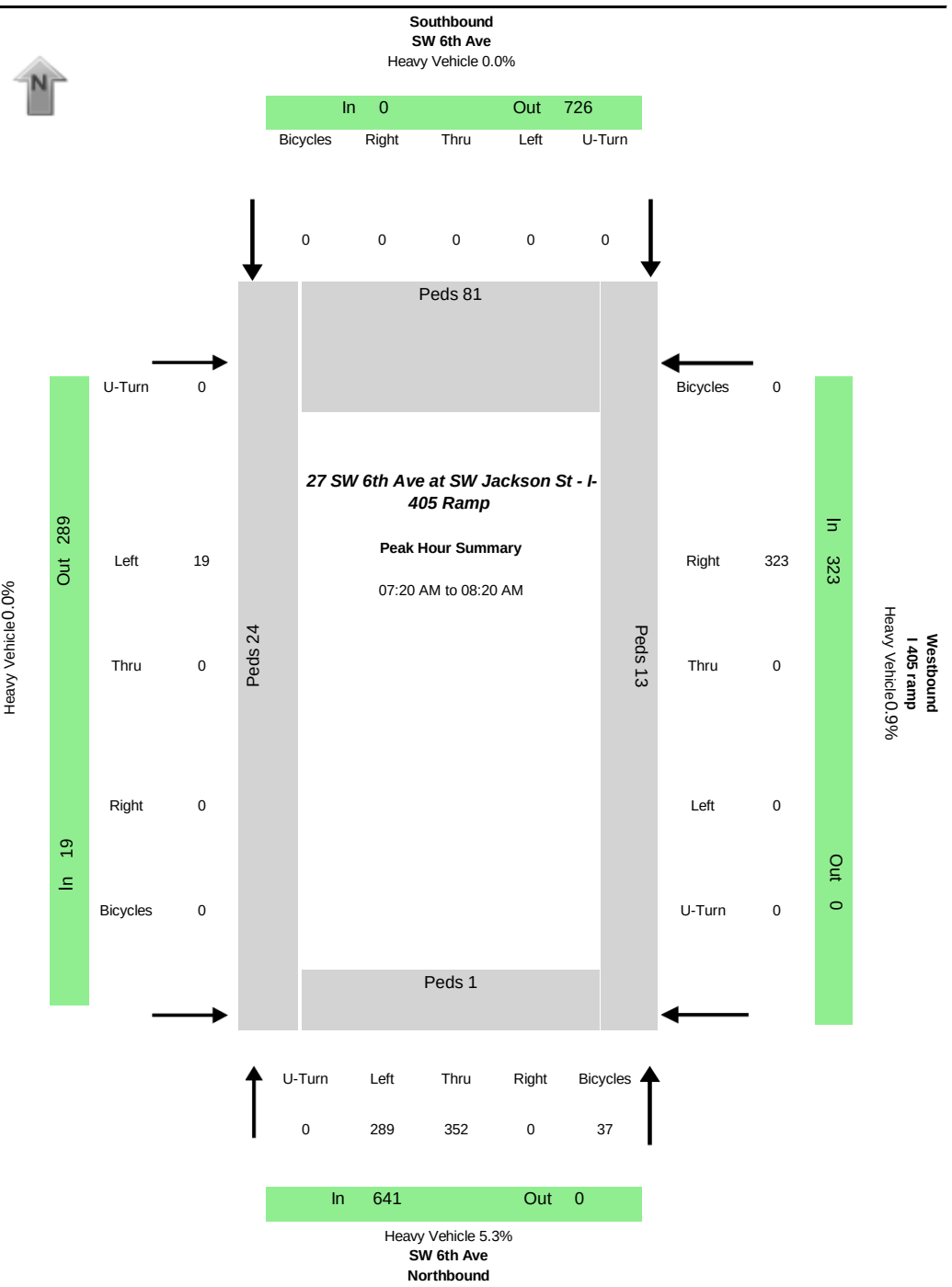
in Crosswalk				
NB	SB	EB	WB	**Sum**
4	41	28	8	81

All Vehicle Volumes

	Northbound				Southbound				Eastbound				Westbound					
	SW Broadway				SW Broadway				SW Jackson St				SW Jackson St				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
07:00:00 AM	0	0	0	0	0	29	4	0	0	1	2	0	19	0	0	0		
07:05:00 AM	0	0	0	0	0	36	4	0	0	1	1	0	12	0	0	0		
07:10:00 AM	0	0	0	0	0	22	1	0	0	0	2	0	15	1	0	0	150	
07:15:00 AM	0	0	0	0	0	23	2	0	0	0	1	0	17	0	0	0	138	
07:20:00 AM	0	0	0	0	0	29	3	0	0	1	0	0	20	1	0	0	138	
07:25:00 AM	0	0	0	0	1	32	2	0	0	2	1	0	11	0	0	0	146	
07:30:00 AM	0	0	0	0	1	39	3	0	0	0	6	0	24	1	0	0	177	
07:35:00 AM	0	0	0	0	2	31	2	0	0	0	3	0	22	1	0	0	184	
07:40:00 AM	0	0	0	0	0	46	4	0	0	0	1	0	23	2	0	0	211	
07:45:00 AM	0	0	0	0	0	59	3	0	0	2	5	0	21	1	0	0	228	
07:50:00 AM	0	0	0	0	1	69	1	0	0	0	4	0	18	1	0	0	261	
07:55:00 AM	0	0	0	0	0	37	3	0	0	1	4	0	21	3	0	0	254	761
08:00:00 AM	0	0	0	0	0	44	4	0	0	3	1	0	12	0	0	0	227	770
08:05:00 AM	0	0	0	0	3	47	5	0	0	0	5	0	11	1	0	0	205	788
08:10:00 AM	0	0	0	0	1	32	1	0	0	1	3	0	21	0	0	0	195	806
08:15:00 AM	0	0	0	0	2	42	3	0	0	0	0	0	19	0	0	0	197	829
08:20:00 AM	0	0	0	0	1	33	3	0	0	1	2	0	10	1	0	0	176	826
08:25:00 AM	0	0	0	0	0	46	2	0	0	0	3	0	14	1	0	0	183	843
08:30:00 AM	0	0	0	0	0	31	0	0	0	0	2	0	18	0	0	0	168	820
08:35:00 AM	0	0	0	0	1	40	0	0	0	1	3	0	15	3	0	0	180	822
08:40:00 AM	0	0	0	0	4	34	1	0	0	2	1	0	16	0	0	0	172	804
08:45:00 AM	0	0	0	0	2	44	0	0	0	0	3	0	15	2	0	0	187	779
08:50:00 AM	0	0	0	0	1	42	1	0	0	2	2	0	17	3	0	0	192	753
08:55:00 AM	0	0	0	0	1	25	1	0	0	2	3	0	13	1	0	0	180	730

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW 6th Ave*
E/W street	*SW Jackson St*
City, State	Portland OR
Site Notes	
Location	45.509092 - -122.684006
Start Date	Tuesday, October 23, 2018
Start Time	06:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:20:00 AM
Peak 15 Min Start	07:40:00 AM
PHF (15-Min Int)	0.84



Peak-Hour Volumes (PHV)

Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
289	352	0	0	0	0	0	0	19	0	0	0	0	0	323	0	641	0	19	323	0	694	289	0

Percent Heavy Vehicles

1.0%	9.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.9%	0.0%	5.6%	0.0%	0.0%	0.9%	#DIV/0!	5.2%	1.0%	0.0%

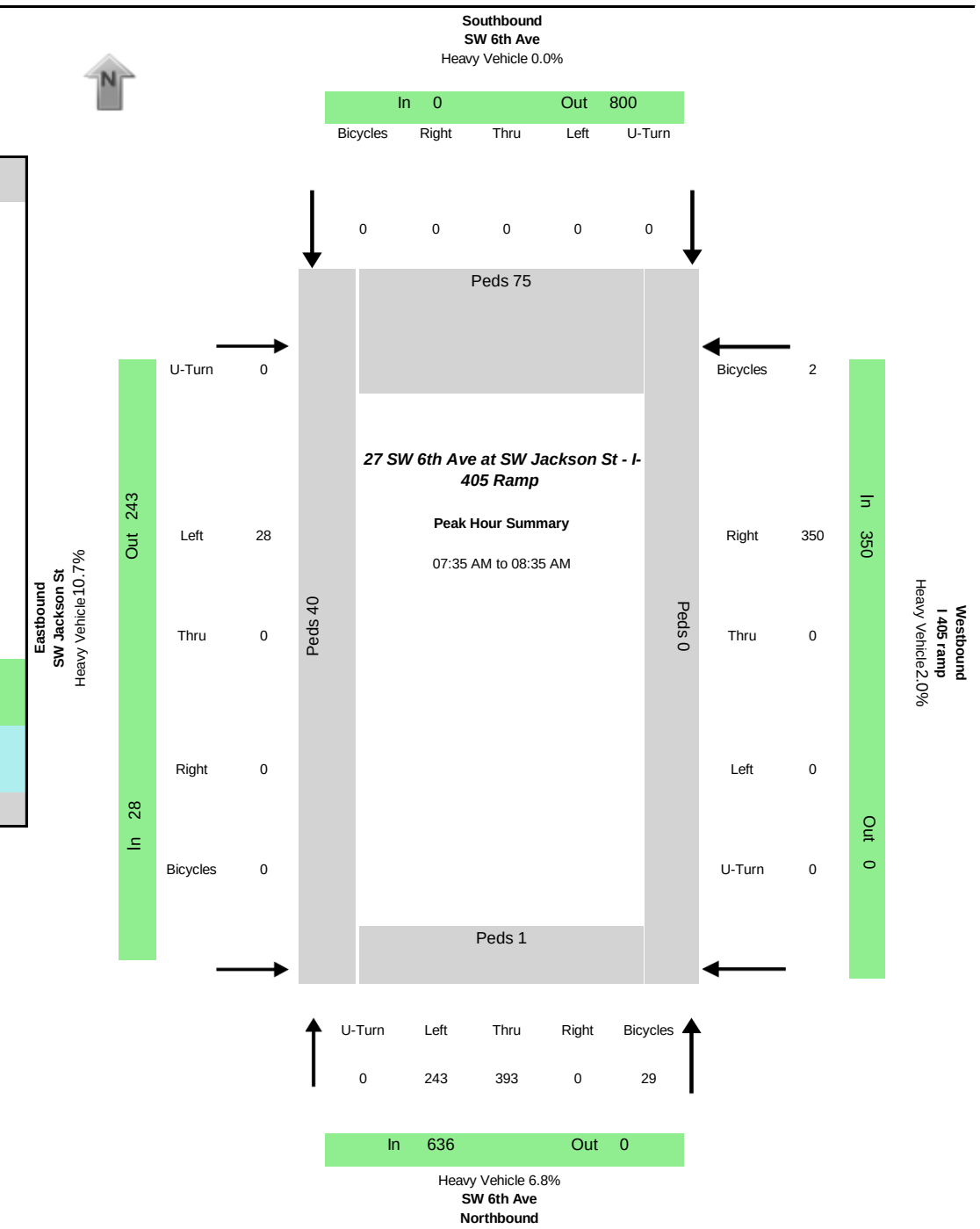
PHV- Bicycles																	PHV - Pedestrians				
Northbound				Southbound				Eastbound				Westbound					in Crosswalk				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**	NB	SB	EB	WB	**Sum**
5	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	1	81	24	13	119

All Vehicle Volumes

	Northbound				Southbound				Eastbound				Westbound					
	SW 6th Ave				SW 6th Ave				SW Jackson St				I 405 ramp				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
06:00:00 AM	3	8	0	0	0	0	0	0	0	0	0	0	0	0	11	0		
06:05:00 AM	7	7	0	0	0	0	0	0	1	0	0	0	0	1	18	0		
06:10:00 AM	4	12	0	0	0	0	0	0	0	0	0	0	0	0	13	0	85	
06:15:00 AM	1	16	0	0	0	0	0	0	0	0	0	0	0	0	20	0	100	
06:20:00 AM	7	5	0	0	0	0	0	0	0	0	0	0	0	0	21	0	99	
06:25:00 AM	4	8	0	0	0	0	0	0	0	0	0	0	0	0	17	0	99	
06:30:00 AM	8	16	0	0	0	0	0	0	0	0	0	0	0	0	28	0	114	
06:35:00 AM	13	18	0	0	0	0	0	0	0	0	0	0	0	0	29	0	141	
06:40:00 AM	15	12	0	0	0	0	0	0	0	0	0	0	0	0	37	0	176	
06:45:00 AM	9	25	0	0	0	0	0	0	0	0	0	0	0	0	31	0	189	
06:50:00 AM	10	14	0	0	0	0	0	0	0	0	0	0	0	0	23	0	176	
06:55:00 AM	14	14	0	0	0	0	0	0	0	0	0	0	0	0	20	0	160	520
07:00:00 AM	16	21	0	0	0	0	0	0	2	0	0	0	0	0	20	0	154	557
07:05:00 AM	14	30	0	0	0	0	0	0	0	0	0	0	0	0	18	0	169	585
07:10:00 AM	12	24	0	0	0	0	0	0	0	0	0	0	0	0	23	0	180	615
07:15:00 AM	16	25	0	0	0	0	0	0	1	0	0	0	0	0	25	0	188	645
07:20:00 AM	26	27	0	0	0	0	0	0	1	0	0	0	0	0	26	0	206	692
07:25:00 AM	11	36	0	0	0	0	0	0	3	0	0	0	0	0	28	0	225	741
07:30:00 AM	28	31	0	0	0	0	0	0	0	0	0	0	0	0	27	0	244	775
07:35:00 AM	27	20	0	0	0	0	0	0	2	0	0	0	0	0	23	0	236	787
07:40:00 AM	36	30	0	0	0	0	0	0	1	0	0	0	0	0	39	0	264	829
07:45:00 AM	25	35	0	0	0	0	0	0	1	0	0	0	0	0	30	0	269	855
07:50:00 AM	37	29	0	0	0	0	0	0	1	0	0	0	0	0	30	0	294	905
07:55:00 AM	28	33	0	0	0	0	0	0	2	0	0	0	0	0	34	0	285	954
08:00:00 AM	17	30	0	0	0	0	0	0	3	0	0	0	0	0	24	0	268	969
08:05:00 AM	20	23	0	0	0	0	0	0	2	0	0	0	0	0	22	0	238	974
08:10:00 AM	16	27	0	0	0	0	0	0	1	0	0	0	0	0	17	0	202	976
08:15:00 AM	18	31	0	0	0	0	0	0	2	0	0	0	0	0	23	0	202	983
08:20:00 AM	12	25	0	0	0	0	0	0	1	0	0	0	0	0	20	0	193	961
08:25:00 AM	16	27	0	0	0	0	0	0	2	0	0	0	0	0	24	0	201	952
08:30:00 AM	10	24	0	0	0	0	0	0	0	0	0	0	0	0	21	0	182	921
08:35:00 AM	17	29	0	0	0	0	0	0	0	0	0	0	0	0	16	0	186	911
08:40:00 AM	18	33	0	0	0	0	0	0	1	0	0	0	0	0	29	0	198	886
08:45:00 AM	15	31	0	0	0	0	0	0	3	0	0	0	0	0	15	0	207	859
08:50:00 AM	13	26	0	0	0	0	0	0	1	0	0	0	0	0	18	0	203	820
08:55:00 AM	20	26	0	0	0	0	0	0	5	0	0	0	0	0	21	0	194	795

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	***SW 6th Ave***
E/W street	***SW Jackson St***
City, State	Portland OR
Site Notes	
Location	45.509092 - -122.684006
Start Date	Wednesday, October 24, 2018
Start Time	06:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:35:00 AM
Peak 15 Min Start	07:35:00 AM
PHF (15-Min Int)	0.90



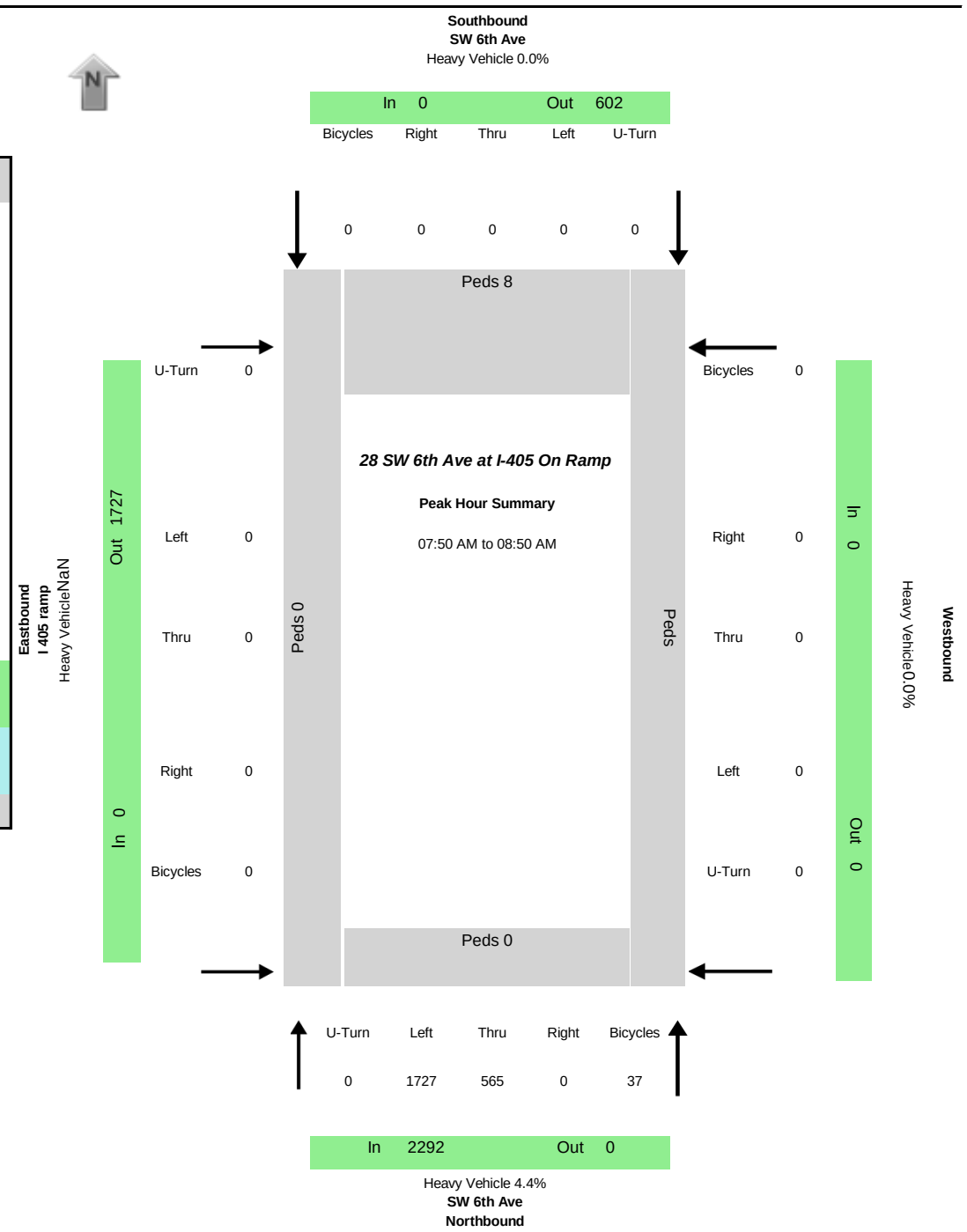
Peak-Hour Volumes (PHV)																							
Northbound				**Southbound**				**Eastbound**				**Westbound**				**Entering**				**Leaving**			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
243	393	0	0	0	0	0	0	28	0	0	0	0	0	350	0	636	0	28	350	0	771	243	0
Percent Heavy Vehicles																							
4.5%	8.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	10.7%	0.0%	0.0%	0.0%	0.0%	0.0%	2.0%	0.0%	7.1%	0.0%	10.7%	2.0%	#DIV/0!	5.7%	4.5%	0.0%

PHV- Bicycles																	PHV - Pedestrians				
Northbound				**Southbound**				**Eastbound**				**Westbound**					in Crosswalk				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**	NB	SB	EB	WB	**Sum**
1	28	0	0	0	0	0	0	0	0	0	0	0	1	1	0	31	1	75	40	0	116

All Vehicle Volumes																		
	Northbound				**Southbound**				**Eastbound**				**Westbound**					
	SW 6th Ave				SW 6th Ave				SW Jackson St				I 405 ramp				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
06:00:00 AM	8	9	0	0	0	0	0	0	1	0	0	0	0	0	14	0		
06:05:00 AM	7	8	0	0	0	0	0	0	1	0	0	1	0	0	23	0		
06:10:00 AM	8	8	0	0	0	0	0	0	0	0	0	0	0	0	13	0	101	
06:15:00 AM	7	8	0	0	0	0	0	0	0	0	0	0	0	0	15	0	99	
06:20:00 AM	8	10	0	0	0	0	0	0	0	0	0	0	0	0	29	0	106	
06:25:00 AM	7	9	0	0	0	0	0	0	0	0	0	0	0	0	22	0	115	
06:30:00 AM	9	23	0	0	0	0	0	0	1	0	0	0	0	0	25	0	143	
06:35:00 AM	6	11	0	0	0	0	0	0	1	0	0	0	0	0	23	0	137	
06:40:00 AM	12	13	0	0	0	0	0	0	1	0	0	0	0	0	24	0	149	
06:45:00 AM	10	18	0	0	0	0	0	0	2	0	0	0	0	0	18	0	139	
06:50:00 AM	12	11	0	0	0	0	0	0	3	0	0	0	0	0	24	0	148	
06:55:00 AM	14	17	0	0	0	0	0	0	2	0	0	0	0	0	17	0	148	513
07:00:00 AM	13	18	0	0	0	0	0	0	3	0	0	0	0	0	24	0	158	539
07:05:00 AM	10	17	0	0	0	0	0	0	1	0	0	0	0	0	23	0	159	550
07:10:00 AM	20	30	0	0	0	0	0	0	0	0	0	0	0	0	29	0	188	600
07:15:00 AM	16	26	0	0	0	0	0	0	1	0	0	0	0	0	39	0	212	652
07:20:00 AM	16	12	0	0	0	0	0	0	2	0	0	0	0	0	32	0	223	667
07:25:00 AM	14	29	0	0	0	0	0	0	0	0	0	0	0	0	18	0	205	690
07:30:00 AM	15	28	0	0	0	0	0	0	7	0	0	0	0	0	27	0	200	709
07:35:00 AM	42	25	0	0	0	0	0	0	1	0	0	0	0	0	28	0	234	764
07:40:00 AM	28	33	0	0	0	0	0	0	2	0	0	0	0	0	26	0	262	803
07:45:00 AM	24	42	0	0	0	0	0	0	3	0	0	0	0	0	27	0	281	851
07:50:00 AM	37	30	0	0	0	0	0	0	1	0	0	0	0	0	28	0	281	897
07:55:00 AM	13	30	0	0	0	0	0	0	5	0	0	0	0	0	28	0	268	923
08:00:00 AM	16	24	0	0	0	0	0	0	1	0	0	0	0	0	30	0	243	936
08:05:00 AM	13	35	0	0	0	0	0	0	5	0	0	0	0	0	26	0	226	964
08:10:00 AM	16	35	0	0	0	0	0	0	0	0	0	0	0	0	29	0	230	965
08:15:00 AM	12	32	0	0	0	0	0	0	2	0	0	0	0	0	28	0	233	957
08:20:00 AM	16	34	0	0	0	0	0	0	2	0	0	0	0	0	35	0	241	982
08:25:00 AM	17	36	0	0	0	0	0	0	2	0	0	0	0	0	30	0	246	1006
08:30:00 AM	9	37	0	0	0	0	0	0	4	0	0	0	0	0	35	0	257	1014
08:35:00 AM	14	29	0	0	0	0	0	0	3	0	0	0	0	0	47	0	263	1011
08:40:00 AM	13	36	0	0	0	0	0	0	1	0	0	0	0	0	36	0	264	1008
08:45:00 AM	18	33	0	0	0	0	0	0	1	0	0	0	0	0	39	0	270	1003
08:50:00 AM	12	38	0	0	0	0	0	0	0	0	0	0	0	0	28	0	255	985
08:55:00 AM	16	44	0	0	0	0	0	0	3	0	0	0	0	0	42	0	274	1014

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	***SW 6th Ave***
E/W street	***I 405 ramp***
City, State	Portland OR
Site Notes	
Location	45.507982 - -122.684298
Start Date	Tuesday, October 23, 2018
Start Time	06:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:50:00 AM
Peak 15 Min Start	08:35:00 AM
PHF (15-Min Int)	0.95



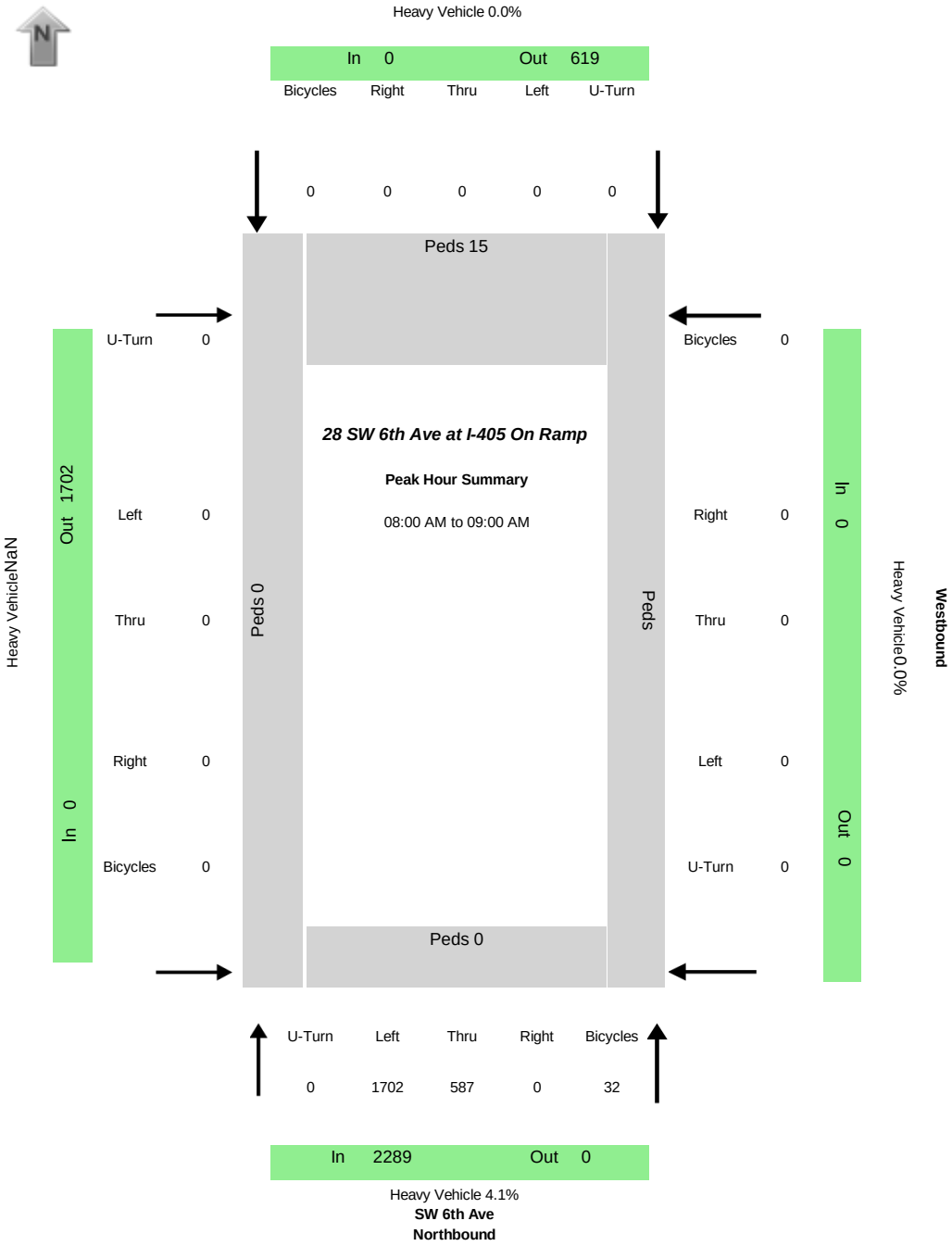
Peak-Hour Volumes (PHV)																							
Northbound				**Southbound**				**Eastbound**				**Westbound**				**Entering**				**Leaving**			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
1727	565	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2292	0	0	0	0	565	1727	0
Percent Heavy Vehicles																							
3.4%	7.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.5%	0.0%	#DIV/0!	0.0%	#DIV/0!	7.6%	3.4%	0.0%

PHV- Bicycles																	PHV - Pedestrians				
Northbound				**Southbound**				**Eastbound**				**Westbound**					in Crosswalk				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**	NB	SB	EB	WB	**Sum**
0	37		0		0	0	0	0		0	0					37	0	8	0		8

All Vehicle Volumes																		
	Northbound				**Southbound**				**Eastbound**				**Westbound**					
	SW 6th Ave				SW 6th Ave				I 405 ramp								15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
06:00:00 AM	69	10		0		0	0	0	0		0	0						
06:05:00 AM	81	12		0		0	0	0	0		0	0						
06:10:00 AM	92	16		0		0	0	0	0		0	0					280	
06:15:00 AM	83	19		0		0	0	0	0		0	0					303	
06:20:00 AM	111	10		0		0	0	0	0		0	0					331	
06:25:00 AM	125	12		0		0	0	0	0		0	0					360	
06:30:00 AM	112	25		0		0	0	0	0		0	0					395	
06:35:00 AM	107	31		0		0	0	0	0		0	0					412	
06:40:00 AM	119	28		0		0	0	0	0		0	0					422	
06:45:00 AM	115	33		0		0	0	0	0		0	0					433	
06:50:00 AM	127	26		0		0	0	0	0		0	0					448	
06:55:00 AM	125	29		0		0	0	0	0		0	0					455	1517
07:00:00 AM	128	38		0		0	0	0	0		0	0					473	1604
07:05:00 AM	111	42		0		0	0	0	0		0	0					473	1664
07:10:00 AM	127	35		0		0	0	0	0		0	0					481	1718
07:15:00 AM	119	41		0		0	0	0	0		0	0					475	1776
07:20:00 AM	124	52		0		0	0	0	0		0	0					498	1831
07:25:00 AM	115	46		0		0	0	0	0		0	0					497	1855
07:30:00 AM	123	59		0		0	0	0	0		0	0					519	1900
07:35:00 AM	126	53		0		0	0	0	0		0	0					522	1941
07:40:00 AM	120	60		0		0	0	0	0		0	0					541	1974
07:45:00 AM	117	60		0		0	0	0	0		0	0					536	2003
07:50:00 AM	135	69		0		0	0	0	0		0	0					561	2054
07:55:00 AM	139	58		0		0	0	0	0		0	0					578	2097
08:00:00 AM	138	45		0		0	0	0	0		0	0					584	2114
08:05:00 AM	128	41		0		0	0	0	0		0	0					549	2130
08:10:00 AM	135	45		0		0	0	0	0		0	0					532	2148
08:15:00 AM	152	45		0		0	0	0	0		0	0					546	2185
08:20:00 AM	135	39		0		0	0	0	0		0	0					551	2183
08:25:00 AM	145	43		0		0	0	0	0		0	0					559	2210
08:30:00 AM	158	40		0		0	0	0	0		0	0					560	2226
08:35:00 AM	159	42		0		0	0	0	0		0	0					587	2248
08:40:00 AM	144	53		0		0	0	0	0		0	0					596	2265
08:45:00 AM	159	45		0		0	0	0	0		0	0					602	2292
08:50:00 AM	138	38		0		0	0	0	0		0	0					577	2264
08:55:00 AM	144	47		0		0	0	0	0		0	0					571	2258

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	***SW 6th Ave***
E/W street	***I 405 ramp***
City, State	Portland OR
Site Notes	
Location	45.507982 - -122.684298
Start Date	Wednesday, October 24, 2018
Start Time	06:00:00 AM
Weather	
Study ID #	
Peak Hour Start	08:00:00 AM
Peak 15 Min Start	08:30:00 AM
PHF (15-Min Int)	0.96



Peak-Hour Volumes (PHV)																							
Northbound				**Southbound**				**Eastbound**				**Westbound**				**Entering**				**Leaving**			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
1702	587	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2289	0	0	0	0	587	1702	0
Percent Heavy Vehicles																							
3.4%	6.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.2%	0.0%	#DIV/0!	0.0%	#DIV/0!	6.5%	3.4%	0.0%

PHV- Bicycles																	PHV - Pedestrians				
Northbound				**Southbound**				**Eastbound**				**Westbound**					in Crosswalk				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**	NB	SB	EB	WB	**Sum**
0	32		0		0	0	0	0		0	0					32	0	15	0		15

All Vehicle Volumes																		
	Northbound				**Southbound**				**Eastbound**				**Westbound**					
	SW 6th Ave				SW 6th Ave				I 405 ramp								15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
06:00:00 AM	58	18		0		0	0	0	0		0	0						
06:05:00 AM	84	14		0		0	0	0	0		0	0						
06:10:00 AM	67	18		0		0	0	0	0		0	0					259	
06:15:00 AM	107	14		0		0	0	0	0		0	0					304	
06:20:00 AM	113	18		0		0	0	0	0		0	0					337	
06:25:00 AM	113	17		0		0	0	0	0		0	0					382	
06:30:00 AM	116	31		0		0	0	0	0		0	0					408	
06:35:00 AM	100	18		0		0	0	0	0		0	0					395	
06:40:00 AM	125	25		0		0	0	0	0		0	0					415	
06:45:00 AM	114	28		0		0	0	0	0		0	0					410	
06:50:00 AM	117	26		0		0	0	0	0		0	0					435	
06:55:00 AM	122	30		0		0	0	0	0		0	0					437	1493
07:00:00 AM	142	29		0		0	0	0	0		0	0					466	1588
07:05:00 AM	128	29		0		0	0	0	0		0	0					480	1647
07:10:00 AM	119	49		0		0	0	0	0		0	0					496	1730
07:15:00 AM	127	43		0		0	0	0	0		0	0					495	1779
07:20:00 AM	123	25		0		0	0	0	0		0	0					486	1796
07:25:00 AM	111	43		0		0	0	0	0		0	0					472	1820
07:30:00 AM	105	45		0		0	0	0	0		0	0					452	1823
07:35:00 AM	128	66		0		0	0	0	0		0	0					498	1899
07:40:00 AM	123	62		0		0	0	0	0		0	0					529	1934
07:45:00 AM	131	66		0		0	0	0	0		0	0					576	1989
07:50:00 AM	116	64		0		0	0	0	0		0	0					562	2026
07:55:00 AM	140	45		0		0	0	0	0		0	0					562	2059
08:00:00 AM	151	40		0		0	0	0	0		0	0					556	2079
08:05:00 AM	120	48		0		0	0	0	0		0	0					544	2090
08:10:00 AM	143	50		0		0	0	0	0		0	0					552	2115
08:15:00 AM	133	46		0		0	0	0	0		0	0					540	2124
08:20:00 AM	126	50		0		0	0	0	0		0	0					548	2152
08:25:00 AM	133	53		0		0	0	0	0		0	0					541	2184
08:30:00 AM	161	47		0		0	0	0	0		0	0					570	2242
08:35:00 AM	148	45		0		0	0	0	0		0	0					587	2241
08:40:00 AM	150	48		0		0	0	0	0		0	0					599	2254
08:45:00 AM	144	49		0		0	0	0	0		0	0					584	2250
08:50:00 AM	148	50		0		0	0	0	0		0	0					589	2268
08:55:00 AM	145	61		0		0	0	0	0		0	0					597	2289

Study Name	30 SW 5th Ave at Lincoln - I-405 On Ramp
Start Date	10/25/2018
Start Time	7:00 AM
Site Code	

Location 45.508076 -122.683

Lights

	Northbound					Southbound					Eastbound					Westbound					Northeastbound				
	SW 5th Ave					SW 5th Ave					SW 5th Ave Bridge					SW Lincoln St					I-405 SB On Ramp				
Start Time	Hard Left	Left	Thru	Right	U-Turn	Left	Thru	Bear Right	Right to 5t	U-Turn	Left	Thru	Right	Hard Right	U-Turn	Left	Bear Left	Thru	Right	U-Turn	Hard Left	Bear Left	Bear Right	Hard Right	U-Turn
7:00 AM	0	0	0	0	0	1	1	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:05 AM	0	0	0	0	0	1	3	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:10 AM	0	0	0	0	0	2	0	7	3	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
7:15 AM	0	0	0	0	0	3	2	7	1	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0
7:20 AM	0	0	0	0	0	3	1	3	5	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
7:25 AM	0	0	0	0	0	2	1	5	4	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	4	0	7	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:35 AM	0	0	0	0	0	1	1	11	2	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
7:40 AM	0	0	0	0	0	4	0	7	6	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0
7:45 AM	0	0	0	0	0	2	1	13	11	0	0	0	0	0	0	3	0	0	0	1	0	0	0	0	0
7:50 AM	0	0	0	0	0	3	5	12	3	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0
7:55 AM	0	0	0	0	0	2	1	9	5	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0
8:00 AM	0	0	0	0	0	1	3	11	11	0	0	0	0	0	0	1	0	0	0	3	0	0	0	0	0
8:05 AM	0	0	0	0	0	4	1	9	5	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0
8:10 AM	0	0	0	0	0	6	0	12	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	3	0	13	5	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0
8:20 AM	0	0	0	0	0	1	1	9	6	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0
8:25 AM	0	0	0	0	0	2	0	11	2	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
8:30 AM	0	0	0	0	0	4	0	8	7	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
8:35 AM	0	0	0	0	0	3	1	9	7	0	0	0	0	0	0	1	0	0	0	3	0	0	0	0	0
8:40 AM	0	0	0	0	0	5	0	15	6	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
8:45 AM	0	0	0	0	0	3	0	16	5	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
8:50 AM	0	0	0	0	0	3	2	9	8	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
8:55 AM	0	0	0	0	0	1	3	9	5	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0

Other Vehicles

	Northbound					Southbound					Eastbound					Westbound					Northeastbound				
	SW 5th Ave					SW 5th Ave					SW 5th Ave Bridge					SW Lincoln St					I-405 SB On Ramp				
Start Time	Hard Left	Left	Thru	Right	U-Turn	Left	Thru	Bear Right	Right to 5t	U-Turn	Left	Thru	Right	Hard Right	U-Turn	Left	Bear Left	Thru	Right	U-Turn	Hard Left	Bear Left	Bear Right	Hard Right	U-Turn
7:00 AM	0	0	0	0	0	0	0	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:05 AM	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
7:10 AM	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	1	0	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:20 AM	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:25 AM	0	0	0	0	0	2	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	1	0	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:35 AM	0	0	0	0	0	1	0	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:40 AM	0	0	0	0	0	2	0	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	0	0	2	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:50 AM	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:55 AM	0	0	0	0	0	5	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:05 AM	0	0	0	0	0	0	0	1	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:10 AM	0	0	0	0	0	3	0	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:20 AM	0	0	0	0	0	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:25 AM	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	2	0	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:35 AM	0	0	0	0	0	1	0	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:40 AM	0	0	0	0	0	0	0	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:50 AM	0	0	0	0	0	1	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:55 AM	0	0	0	0	0	3	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Bicycles on Road

Northbound	Southbound	Eastbound	Westbound	Northeastbound
SW 5th Ave	SW 5th Ave	SW 5th Ave Bridge	SW Lincoln St	I-405 SB On Ramp

Start Time	Hard Left	Left	Thru	Right	U-Turn	Left	Thru	Bear Right	Right to 5t	U-Turn	Left	Thru	Right	Hard Right	U-Turn	Left	Bear Left	Thru	Right	U-Turn	Hard Left	Bear Left	Bear Right	Hard Right	U-Turn
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:05 AM	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:10 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:20 AM	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:25 AM	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0
7:30 AM	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:35 AM	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0
7:40 AM	0	0	0	0	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0
7:45 AM	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:50 AM	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:55 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:05 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:10 AM	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
8:20 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:25 AM	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:35 AM	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0
8:40 AM	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
8:45 AM	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:50 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:55 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

All Pedestrians

	Northbound		Southbound		Eastbound		Westbound		Northeastbound	
	SW 5th Ave		SW 5th Ave		SW 5th Ave Bridge		SW Lincoln St		I-405 SB On Ramp	
Start Time	Peds CCW	Peds CW	Peds CCW	Peds CW	Peds CCW	Peds CW	Peds CCW	Peds CW	Peds CCW	Peds CW
7:00 AM	0	0	0	0	0	0	0	1	0	0
7:05 AM	0	0	0	0	1	0	1	0	1	0
7:10 AM	0	0	0	0	0	0	0	5	0	0
7:15 AM	0	0	0	0	0	0	0	1	0	0
7:20 AM	0	0	0	0	0	0	0	1	0	0
7:25 AM	0	0	0	0	0	0	0	2	0	0
7:30 AM	0	0	0	0	0	0	2	6	0	0
7:35 AM	0	0	0	0	0	0	0	7	0	0
7:40 AM	0	0	0	0	0	0	1	4	0	0
7:45 AM	1	0	0	0	0	0	3	7	1	0
7:50 AM	5	1	0	0	0	0	0	14	0	0
7:55 AM	0	0	0	0	0	0	1	6	0	0
8:00 AM	0	0	0	0	0	0	0	2	0	0
8:05 AM	2	0	0	0	1	0	4	2	1	0
8:10 AM	0	0	0	0	0	0	0	3	0	0
8:15 AM	1	0	0	0	0	0	2	1	1	0
8:20 AM	0	0	0	0	0	0	1	0	0	0
8:25 AM	0	0	0	0	0	0	0	3	0	0
8:30 AM	0	0	0	0	0	0	0	3	0	0
8:35 AM	0	1	0	0	0	1	0	3	0	1
8:40 AM	0	0	0	0	0	0	0	4	0	0
8:45 AM	1	0	0	0	0	0	3	2	1	0
8:50 AM	0	0	0	0	0	0	4	4	0	0
8:55 AM	0	0	0	0	0	0	2	5	0	0

Study Name	31 SW 4th Ave at SW Lincoln St
Start Date	10/24/2018
Start Time	7:00 AM
Site Code	

Location 45.508059 -122.682

Lights

	Northbound SW 4th Ave				Northbound I-405 Off Ramp			Southbound SW 4th Ave				Eastbound SW Lincoln St				Westbound SW Lincoln St			
Start Time	Left	Thru	Right	U-Turn	Left	Thru	Right	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn
7:00 AM	1	39	0	0	0	20	2	0	0	0	0	0	1	0	0	0	1	11	0
7:05 AM	0	43	0	0	0	23	6	0	0	0	0	0	3	0	0	0	0	4	0
7:10 AM	0	48	0	0	0	14	4	0	0	0	0	1	2	0	0	0	0	5	0
7:15 AM	1	53	0	0	0	15	7	0	0	0	0	0	1	0	0	0	0	10	0
7:20 AM	1	53	0	0	0	24	2	0	0	0	0	4	4	0	0	0	0	10	0
7:25 AM	1	68	0	0	0	26	7	0	0	0	0	0	3	0	0	0	1	11	0
7:30 AM	1	85	0	0	0	31	8	0	0	0	0	0	3	0	0	0	0	8	0
7:35 AM	1	63	0	0	0	25	7	0	0	0	0	0	3	0	0	0	2	12	0
7:40 AM	0	99	0	0	0	29	4	0	0	0	0	1	3	0	0	0	2	10	0
7:45 AM	0	86	0	0	0	17	6	0	0	0	0	1	2	0	0	0	0	11	0
7:50 AM	1	83	0	0	0	24	12	0	0	0	0	2	2	0	0	0	1	28	0
7:55 AM	3	66	0	0	0	27	9	0	0	0	0	4	5	0	0	0	0	17	0
8:00 AM	2	90	0	0	0	30	8	0	0	0	0	3	4	0	0	0	3	12	0
8:05 AM	0	83	0	0	0	25	8	0	0	0	0	2	0	0	0	0	0	12	0
8:10 AM	1	80	0	0	0	25	15	0	0	0	0	0	2	0	0	0	1	10	0
8:15 AM	1	82	0	0	0	24	6	0	0	0	0	1	3	0	0	0	2	14	0
8:20 AM	1	69	0	0	0	29	6	0	0	0	0	3	3	0	0	0	0	16	0
8:25 AM	0	86	0	0	0	23	5	0	0	0	0	4	3	0	0	0	0	15	0
8:30 AM	0	76	0	0	0	38	5	0	0	0	0	3	1	0	0	0	0	11	0
8:35 AM	1	88	0	0	0	24	7	0	0	0	0	1	2	0	0	0	0	10	0
8:40 AM	2	70	0	0	0	19	4	0	0	0	0	2	4	0	0	0	0	14	0
8:45 AM	1	90	0	0	0	24	13	0	0	0	0	3	2	0	0	0	1	9	0
8:50 AM	0	80	0	0	0	18	3	0	0	0	0	1	1	0	0	0	0	7	0
8:55 AM	2	74	1	0	0	25	2	0	0	0	0	4	0	0	0	0	1	8	0

Other Vehicles

	Northbound SW 4th Ave				Northbound I-405 Off Ramp			Southbound SW 4th Ave				Eastbound SW Lincoln St				Westbound SW Lincoln St			
Start Time	Left	Thru	Right	U-Turn	Left	Thru	Right	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0
7:05 AM	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
7:10 AM	0	1	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	3	0
7:15 AM	0	2	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0
7:20 AM	0	5	0	0	0	0	0	0	0	0	0	0	2	0	0	0	1	1	0
7:25 AM	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	1	1	0
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	3	0
7:35 AM	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
7:40 AM	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2	0
7:45 AM	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0
7:50 AM	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2	0
7:55 AM	0	3	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	2	0

8:00 AM	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0
8:05 AM	0	3	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0
8:10 AM	0	2	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	4	0
8:15 AM	0	1	0	0	0	1	0	0	0	0	0	0	2	0	0	0	0	1	0
8:20 AM	0	2	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	1	0
8:25 AM	0	6	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	3	0
8:30 AM	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0
8:35 AM	0	2	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
8:40 AM	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	0
8:50 AM	0	3	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	0
8:55 AM	0	1	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	1	0

Bicycles on Road

	Northbound				Northbound			Southbound				Eastbound				Westbound			
	SW 4th Ave				I-405 Off Ramp			SW 4th Ave				SW Lincoln St				SW Lincoln St			
Start Time	Left	Thru	Right	U-Turn	Left	Thru	Right	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
7:05 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:10 AM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
7:15 AM	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
7:20 AM	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
7:25 AM	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:35 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
7:40 AM	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2	0	0
7:50 AM	0	4	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0
7:55 AM	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
8:05 AM	0	1	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0
8:10 AM	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:20 AM	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
8:25 AM	0	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	1	0	0
8:30 AM	0	5	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
8:35 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:40 AM	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0
8:45 AM	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
8:50 AM	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	3	3	0
8:55 AM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0

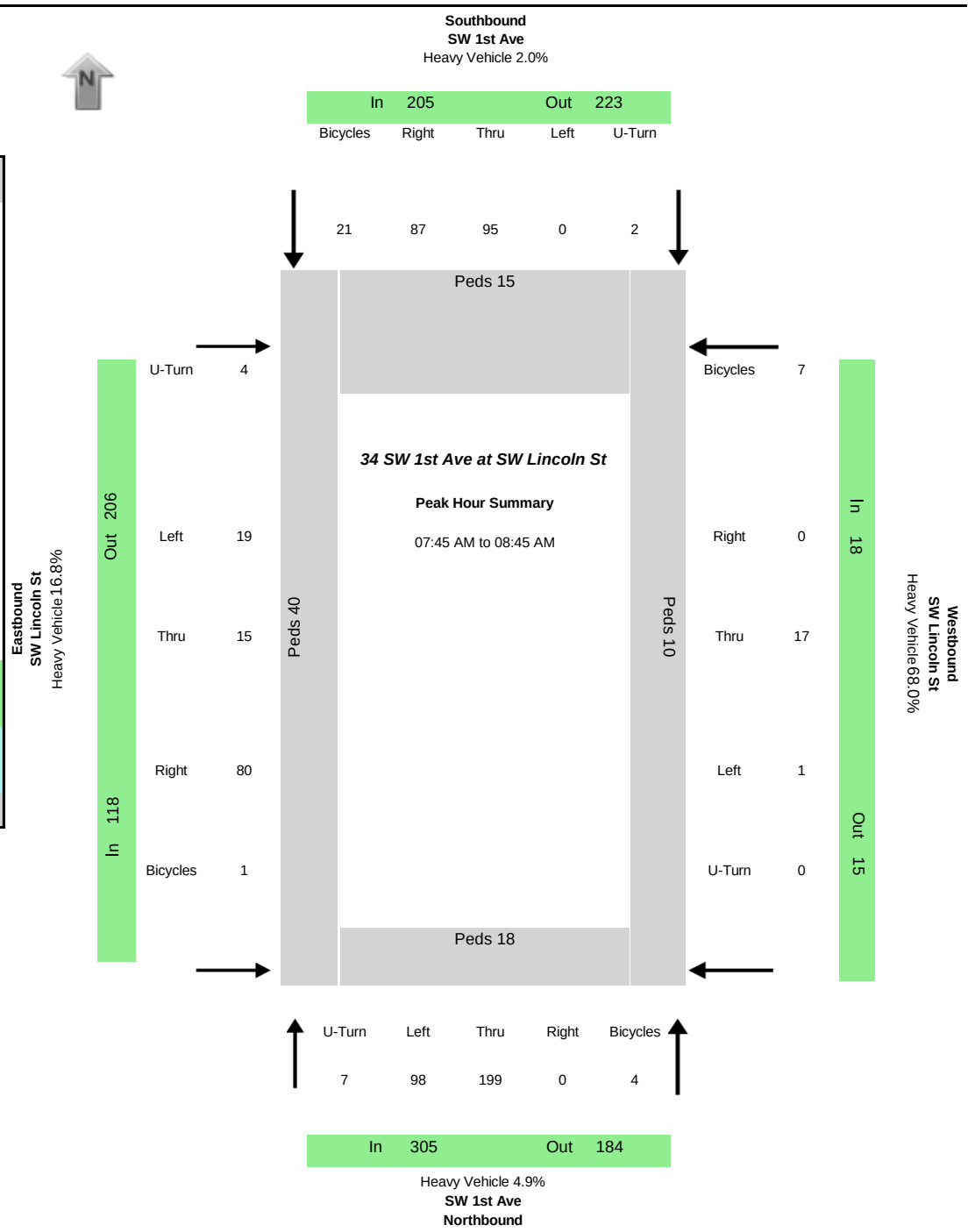
All Pedestrians

	Northbound		Southbound		Eastbound		Westbound	
	SW 4th Ave		SW 4th Ave		SW Lincoln St		SW Lincoln St	
Start Time	Peds CCW	Peds CW	Peds CCW	Peds CW	Peds CCW	Peds CW	Peds CCW	Peds CW
7:00 AM	0	1	0	4	2	2	1	0
7:05 AM	0	2	1	0	0	3	1	0
7:10 AM	0	1	3	2	0	1	0	0
7:15 AM	0	0	2	5	2	0	1	1
7:20 AM	1	2	1	1	4	0	0	0
7:25 AM	2	2	3	2	2	0	3	0
7:30 AM	2	2	2	1	0	3	3	0
7:35 AM	1	3	1	3	1	2	1	2
7:40 AM	3	7	2	0	2	1	0	1

7:45 AM	0	4	2	6	0	4	0	1
7:50 AM	2	5	2	0	3	2	2	0
7:55 AM	2	2	2	2	2	2	0	0
8:00 AM	2	4	0	1	3	4	0	0
8:05 AM	0	0	3	1	1	3	0	0
8:10 AM	0	0	1	2	2	1	0	1
8:15 AM	1	4	1	2	1	4	0	1
8:20 AM	1	2	0	1	0	1	1	0
8:25 AM	0	6	1	0	4	2	1	1
8:30 AM	0	1	2	1	3	1	1	0
8:35 AM	0	4	2	2	4	3	2	0
8:40 AM	2	1	4	0	8	1	1	1
8:45 AM	0	5	3	0	10	2	2	2
8:50 AM	2	6	6	1	15	2	1	4
8:55 AM	0	6	4	0	11	2	0	0

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW 1st Ave*
E/W street	*SW Lincoln St*
City, State	Portland OR
Site Notes	
Location	45.507881 - -122.678682
Start Date	Thursday, October 25, 2018
Start Time	07:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:45:00 AM
Peak 15 Min Start	08:15:00 AM
PHF (15-Min Int)	0.86



Peak-Hour Volumes (PHV)

Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
98	199	0	8	0	95	87	2	19	15	80	4	1	17	0	0	305	184	118	18	184	220	206	15
Percent Heavy Vehicles																							
3.1%	5.5%	0.0%	12.5%	0.0%	3.2%	1.1%	0.0%	5.3%	100.0%	5.0%	0.0%	0.0%	100.0%	0.0%	0.0%	4.9%	2.2%	16.9%	94.4%	4.3%	5.5%	10.2%	100.0%

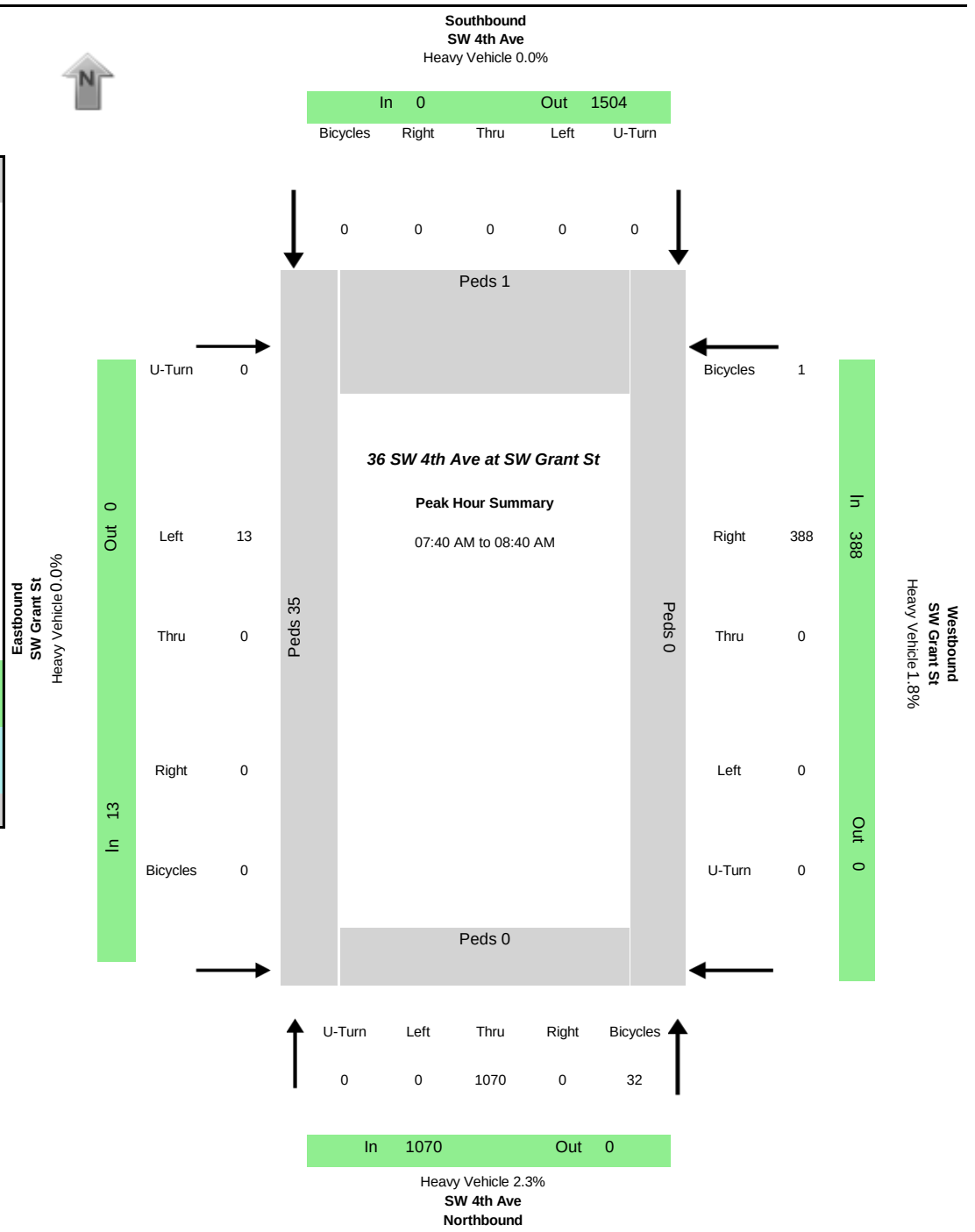
PHV- Bicycles																	PHV - Pedestrians				
Northbound				Southbound				Eastbound				Westbound					in Crosswalk				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**	NB	SB	EB	WB	**Sum**
1	3	0	0	0	12	9	0	0	1	0	0	1	6	0	0	33	18	15	40	10	83

All Vehicle Volumes

	Northbound				Southbound				Eastbound				Westbound					
	SW 1st Ave				SW 1st Ave				SW Lincoln St				SW Lincoln St				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
07:00:00 AM	9	2	0	0	0	7	5	0	1	0	2	0	0	1	0	0		
07:05:00 AM	11	4	0	0	0	3	7	0	1	0	6	0	0	1	0	0		
07:10:00 AM	6	6	0	0	0	8	4	0	1	2	0	0	0	2	0	0	89	
07:15:00 AM	2	4	0	0	0	2	4	0	0	1	6	0	0	1	0	0	82	
07:20:00 AM	9	12	0	1	0	7	3	1	4	0	7	0	0	2	0	0	95	
07:25:00 AM	1	7	0	0	0	8	5	0	0	2	6	0	0	2	0	0	97	
07:30:00 AM	7	10	0	0	0	6	8	0	0	1	2	0	0	2	0	0	113	
07:35:00 AM	5	11	0	0	0	14	5	0	2	0	5	0	0	1	0	0	110	
07:40:00 AM	6	13	0	0	0	6	6	0	2	2	3	0	0	1	0	0	118	
07:45:00 AM	8	13	0	0	0	6	10	0	2	0	9	1	0	2	0	0	133	
07:50:00 AM	14	14	0	1	0	12	11	0	2	2	7	0	0	3	0	0	156	
07:55:00 AM	5	14	0	0	0	9	9	0	0	3	2	0	1	0	0	0	160	464
08:00:00 AM	5	10	0	2	0	3	2	0	0	2	13	0	0	2	0	0	148	476
08:05:00 AM	6	26	0	1	0	7	6	1	2	0	8	1	0	3	0	0	143	504
08:10:00 AM	6	17	0	2	0	12	5	0	3	1	10	0	0	1	0	0	157	532
08:15:00 AM	9	17	0	0	0	10	14	0	2	2	6	0	0	0	0	0	178	572
08:20:00 AM	10	25	0	0	0	11	8	0	1	0	6	0	0	1	0	0	179	588
08:25:00 AM	12	16	0	0	0	9	9	0	2	1	10	0	0	0	0	0	181	616
08:30:00 AM	7	12	0	2	0	3	5	0	1	2	3	0	0	3	0	0	159	618
08:35:00 AM	8	22	0	0	0	6	4	0	3	1	2	1	0	0	0	0	144	622
08:40:00 AM	8	13	0	0	0	7	4	1	1	1	4	1	0	2	0	0	127	625
08:45:00 AM	5	14	0	1	0	9	11	0	0	0	7	0	0	0	0	0	136	621
08:50:00 AM	6	18	0	1	0	5	9	1	0	1	6	0	0	3	0	0	139	605
08:55:00 AM	12	15	0	0	0	8	6	0	2	1	4	0	0	1	0	0	146	611

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW 4th Ave*
E/W street	*SW Grant St*
City, State	Portland OR
Site Notes	
Location	45.507322 - -122.681897
Start Date	Thursday, October 25, 2018
Start Time	07:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:40:00 AM
Peak 15 Min Start	08:00:00 AM
PHF (15-Min Int)	0.94



Peak-Hour Volumes (PHV)

Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
0	1070	0	0	0	0	0	0	13	0	0	0	0	0	388	0	1070	0	13	388	0	1471	0	0
Percent Heavy Vehicles																							
0.0%	2.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.8%	0.0%	2.3%	0.0%	0.0%	1.8%	#DIV/0!	2.2%	#DIV/0!	0.0%

PHV- Bicycles																	PHV - Pedestrians				
Northbound				Southbound				Eastbound				Westbound					in Crosswalk				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**	NB	SB	EB	WB	**Sum**
0	32	0	0	0	0	0	0	0	0	0	0	0	0	1	0	33	0	1	35	0	36

All Vehicle Volumes

	Northbound				Southbound				Eastbound				Westbound					
	SW 4th Ave				SW 4th Ave				SW Grant St				SW Grant St				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
07:00:00 AM	0	53	0	0	0	0	0	0	0	0	0	0	0	0	15	0		
07:05:00 AM	0	41	0	0	0	0	0	0	0	0	0	0	0	0	17	0		
07:10:00 AM	0	52	0	0	0	0	0	0	0	0	0	0	0	0	12	0	190	
07:15:00 AM	0	68	0	0	0	0	0	0	1	0	0	0	0	0	20	0	211	
07:20:00 AM	0	60	0	0	0	0	0	0	3	0	0	0	0	0	29	0	245	
07:25:00 AM	0	60	0	0	0	0	0	0	0	0	0	0	0	0	24	0	265	
07:30:00 AM	0	60	0	0	0	0	0	0	1	0	0	0	0	0	28	0	265	
07:35:00 AM	0	80	0	0	0	0	0	0	1	0	0	0	0	0	31	0	285	
07:40:00 AM	0	85	0	0	0	0	0	0	0	0	0	0	0	0	27	0	313	
07:45:00 AM	0	87	0	0	0	0	0	0	1	0	0	0	0	0	39	0	351	
07:50:00 AM	0	88	0	0	0	0	0	0	1	0	0	0	0	0	39	0	367	
07:55:00 AM	0	69	0	0	0	0	0	0	1	0	0	0	0	0	30	0	355	1123
08:00:00 AM	0	104	0	0	0	0	0	0	1	0	0	0	0	0	36	0	369	1196
08:05:00 AM	0	101	0	0	0	0	0	0	1	0	0	0	0	0	23	0	366	1263
08:10:00 AM	0	78	0	0	0	0	0	0	1	0	0	0	0	0	46	0	391	1324
08:15:00 AM	0	101	0	0	0	0	0	0	1	0	0	0	0	0	34	0	386	1371
08:20:00 AM	0	73	0	0	0	0	0	0	2	0	0	0	0	0	22	0	358	1376
08:25:00 AM	0	89	0	0	0	0	0	0	0	0	0	0	0	0	23	0	345	1404
08:30:00 AM	0	101	0	0	0	0	0	0	2	0	0	0	0	0	30	0	342	1448
08:35:00 AM	0	94	0	0	0	0	0	0	2	0	0	0	0	0	39	0	380	1471
08:40:00 AM	0	71	0	0	0	0	0	0	2	0	0	0	0	0	28	0	369	1460
08:45:00 AM	0	67	0	0	0	0	0	0	0	0	0	0	0	0	36	0	339	1436
08:50:00 AM	0	71	0	0	0	0	0	0	1	0	0	0	0	0	25	0	301	1405
08:55:00 AM	0	72	0	0	0	0	0	0	0	0	0	0	0	0	26	0	298	1403

Study Name	37 SW Broadway at I-405 - Lincoln St
Start Date	10/23/2018
Start Time	6:00 AM
Site Code	

Location 45.508064 -122.685

Lights

	Northbound					Southbound					Eastbound					Westbound					Northeastbound				
	SW Broadway Drive					SW Broadway					I-405 Off Ramp					I405-Lincoln St					I405-Lincoln St				
Start Time	Hard Left	Left	Thru	Right	U-Turn	Left	Thru (to Bd	Bear Right	Right	U-Turn	Left	Thru	Right (to Br	Hard Right	Hard Right	U-Turn	Left	Bear Left	Thru	Right	U-Turn	Hard Left	Bear Left	Bear Right	Hard Right	U-Turn
6:00 AM	0	0	0	3	0	15	0	0	0	0	0	54	0	0	0	0	0	0	0	0	0	0	0	0	0
6:05 AM	0	0	0	5	0	14	3	0	0	0	0	79	1	1	1	0	0	0	0	0	0	0	0	0	0
6:10 AM	0	0	0	1	0	13	0	0	0	0	0	90	2	0	0	0	0	0	0	0	0	0	0	0	0
6:15 AM	0	0	0	6	0	8	0	0	0	0	0	81	0	0	0	0	0	0	0	0	0	0	0	0	0
6:20 AM	0	0	0	5	0	21	3	1	0	0	0	81	1	1	0	0	0	0	0	0	0	0	0	0	0
6:25 AM	0	0	0	4	0	12	2	0	0	0	0	94	1	1	1	0	0	0	0	0	0	0	0	0	0
6:30 AM	0	0	0	2	0	20	2	0	0	0	0	91	1	2	0	0	0	0	0	0	0	0	0	0	0
6:35 AM	0	0	0	14	0	29	0	0	0	0	0	122	3	1	0	0	0	0	0	0	0	0	0	0	0
6:40 AM	0	0	0	8	0	31	6	1	0	0	0	118	2	1	0	0	0	0	0	0	0	0	0	0	0
6:45 AM	0	0	0	8	0	30	2	0	0	0	0	107	1	0	0	0	0	0	0	0	0	0	0	0	0
6:50 AM	0	0	0	9	0	30	5	0	0	0	0	99	2	0	0	0	0	0	0	0	0	0	0	0	0
6:55 AM	0	0	0	9	0	22	4	1	0	0	0	100	0	2	1	0	0	0	0	0	0	0	0	0	0
7:00 AM	0	0	0	12	0	32	8	0	0	0	0	68	1	1	0	0	0	0	0	0	0	0	0	0	0
7:05 AM	0	0	0	12	0	27	4	0	0	0	0	64	3	0	0	0	0	0	0	0	0	0	0	0	0
7:10 AM	0	0	0	9	0	17	3	0	0	0	0	82	4	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	17	0	18	5	0	0	0	0	80	4	0	0	0	0	0	0	0	0	0	0	0	0
7:20 AM	0	0	0	6	0	24	10	0	0	0	0	90	5	0	0	0	0	0	0	0	0	0	0	0	0
7:25 AM	0	0	0	11	0	22	3	0	0	0	0	109	3	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	10	0	32	12	2	0	0	0	95	6	0	0	0	0	0	0	0	0	0	0	0	0
7:35 AM	0	0	0	13	0	23	6	1	0	0	0	118	5	1	0	0	0	0	0	0	0	0	0	0	0
7:40 AM	0	0	0	13	0	13	6	1	0	0	0	120	6	3	1	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	16	0	35	12	0	0	0	0	109	3	1	0	0	0	0	0	0	0	0	0	0	0
7:50 AM	0	0	0	10	0	31	13	1	0	0	0	125	11	0	0	0	0	0	0	0	0	0	0	0	0
7:55 AM	0	0	0	18	0	19	13	1	0	0	0	116	4	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	19	0	15	9	1	0	0	0	149	1	1	0	0	0	0	0	0	0	0	0	0	0
8:05 AM	0	0	0	21	0	33	10	0	0	0	0	116	4	0	0	0	0	0	0	0	0	0	0	0	0
8:10 AM	0	0	0	12	0	29	10	0	0	0	0	124	4	1	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	16	0	21	5	1	0	0	0	117	3	0	0	0	0	0	0	0	0	0	0	0	0
8:20 AM	0	0	0	12	0	31	8	1	0	0	0	107	4	0	0	0	0	0	0	0	0	0	0	0	0
8:25 AM	0	0	0	19	0	20	5	0	0	0	0	142	9	1	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	15	0	26	9	0	0	0	0	109	2	0	0	0	0	0	0	0	0	0	0	0	0
8:35 AM	0	0	0	16	0	32	11	0	0	0	0	128	1	2	1	0	0	0	0	0	0	0	0	0	0
8:40 AM	0	0	0	11	0	19	11	0	0	0	0	108	2	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	0	0	12	0	26	14	0	0	0	0	105	5	1	1	0	0	0	0	0	0	0	0	0	0
8:50 AM	0	0	0	16	0	21	6	0	0	0	0	123	7	0	0	0	0	0	0	0	0	0	0	0	0
8:55 AM	0	0	0	14	0	27	13	0	0	0	0	101	5	0	0	0	0	0	0	0	0	0	0	0	0

Other Vehicles

	Northbound					Southbound					Eastbound					Westbound					Northeastbound				
	SW Broadway Drive					SW Broadway					I-405 Off Ramp					I405-Lincoln St					I405-Lincoln St				
Start Time	Hard Left	Left	Thru	Right	U-Turn	Left	Thru	Bear Right	Right	U-Turn	Left	Thru	Right	Hard Right	Hard Right	U-Turn	Left	Bear Left	Thru	Right	U-Turn	Hard Left	Bear Left	Bear Right	Hard Right	U-Turn
6:00 AM	0	0	0	0	0	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
6:05 AM	0	0	0	0	0	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
6:10 AM	0	0	0	0	0	1	0	0	0	0	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0
6:15 AM	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0
6:20 AM	0	0	0	0	0	2	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0
6:25 AM	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
6:30 AM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
6:35 AM	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0
6:40 AM	0	0	0	0	0	1	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
6:45 AM	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0
6:50 AM	0	0	0	0	0	2	1	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0
6:55 AM	0	0	0	0	0	2	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0
7:00 AM	0	0	0	0	0	2	2	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
7:05 AM	0	0	0	2	0	1	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0
7:10 AM	0	0	0	0	0	2	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	1	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0
7:20 AM	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0
7:25 AM	0	0	0	0	0	2	1	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0

7:30 AM	0	0	0	0	0	3	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
7:35 AM	0	0	0	0	0	3	1	1	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0
7:40 AM	0	0	0	1	0	2	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0
7:50 AM	0	0	0	0	0	3	1	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0
7:55 AM	0	0	0	0	0	2	1	0	0	0	0	3	2	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	5	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0
8:05 AM	0	0	0	1	0	2	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0
8:10 AM	0	0	0	1	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	1	0	3	1	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0
8:20 AM	0	0	0	0	0	1	0	0	0	0	0	10	3	0	0	0	0	0	0	0	0	0	0	0	0
8:25 AM	0	0	0	0	0	3	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	1	0	0	0	0	0	4	1	0	0	0	0	0	0	0	0	0	0	0	0
8:35 AM	0	0	0	0	0	2	1	0	0	0	0	4	1	0	0	0	0	0	0	0	0	0	0	0	0
8:40 AM	0	0	0	0	0	4	2	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	0	0	1	0	3	2	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0
8:50 AM	0	0	0	0	0	1	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0
8:55 AM	0	0	0	1	0	1	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0

Bicycles on Road

	Northbound					Southbound					Eastbound						Westbound					Northeastbound				
	SW Broadway Drive					SW Broadway					I-405 Off Ramp						I405-Lincoln St					I405-Lincoln St				
Start Time	Hard Left	Left	Thru	Right	U-Turn	Left	Thru	Bear Right	Right	U-Turn	Left	Thru	Right	Hard Right	Hard Right	U-Turn	Left	Bear Left	Thru	Right	U-Turn	Hard Left	Bear Left	Bear Right	Hard Right	U-Turn
6:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:05 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:10 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:15 AM	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:20 AM	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:25 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:30 AM	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:35 AM	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:40 AM	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:45 AM	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:50 AM	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:55 AM	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:00 AM	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:05 AM	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:10 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:20 AM	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:25 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:35 AM	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:40 AM	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	0	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:50 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:55 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:05 AM	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:10 AM	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:20 AM	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:25 AM	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:35 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:40 AM	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:50 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:55 AM	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

All Pedestrians

	Northbound		Southbound		Eastbound		Westbound		Northeastbound	
	SW Broadway Dr		SW Broadway		I405		SW Broadway		Lincoln St	
Start Time	Peds CCW	Peds CW	Peds CCW	Peds CW	Peds CCW	Peds CW	Peds CCW	Peds CW	Peds CCW	Peds CW
6:00 AM	0	0	0	0	0	0	0	0	0	1
6:05 AM	0	0	0	0	0	0	0	0	0	0
6:10 AM	0	1	0	0	0	0	0	0	1	1
6:15 AM	0	0	0	0	0	0	0	0	0	1
6:20 AM	0	0	0	0	0	0	0	0	0	0
6:25 AM	0	1	0	0	0	0	0	0	0	2
6:30 AM	0	0	0	0	0	0	0	0	0	0
6:35 AM	0	0	0	0	0	0	0	0	0	0
6:40 AM	1	0	0	0	0	0	0	0	1	0
6:45 AM	0	0	0	0	0	1	0	0	0	0

6:50 AM	0	0	0	0	0	0	0	0	1	1
6:55 AM	1	0	0	0	0	0	0	0	1	0
7:00 AM	0	0	0	0	0	0	0	0	0	1
7:05 AM	0	0	0	0	0	0	0	0	0	1
7:10 AM	0	0	0	0	0	0	0	0	0	1
7:15 AM	0	0	0	0	0	0	0	0	0	0
7:20 AM	0	0	0	0	0	0	0	0	1	2
7:25 AM	0	0	0	0	0	0	0	0	3	1
7:30 AM	0	0	0	0	0	0	0	0	2	0
7:35 AM	0	0	0	0	0	1	0	0	0	1
7:40 AM	1	1	0	0	0	0	0	0	0	3
7:45 AM	1	0	0	0	0	0	0	0	2	3
7:50 AM	0	0	0	0	0	0	0	0	0	0
7:55 AM	0	2	0	0	0	1	0	0	1	2
8:00 AM	0	1	0	0	0	0	0	0	0	1
8:05 AM	0	0	0	0	0	0	0	0	0	4
8:10 AM	1	1	0	0	0	0	0	0	1	1
8:15 AM	0	0	0	0	0	0	0	0	1	0
8:20 AM	0	0	0	0	0	1	0	0	2	0
8:25 AM	0	0	0	0	0	0	0	0	1	0
8:30 AM	1	1	0	0	0	0	0	0	2	1
8:35 AM	1	0	0	0	0	1	0	0	1	0
8:40 AM	0	0	0	0	0	0	0	0	1	0
8:45 AM	2	1	0	0	0	0	0	0	3	1
8:50 AM	0	0	0	0	0	0	0	0	0	0
8:55 AM	1	1	0	0	0	0	0	0	2	2

Study Name	37 SW Broadway at I-405 - Lincoln St
Start Date	10/24/2018
Start Time	6:00 AM
Site Code	

Location 45.508064 -122.685

Lights

	Northbound					Southbound					Eastbound					Westbound					Northeastbound				
	SW Broadway Drive					SW Broadway					I-405 Off Ramp					I405-Lincoln St					I405-Lincoln St				
Start Time	Hard Left	Left	Thru	Right	U-Turn	Left	Thru (to Bd	Bear Right	Right	U-Turn	Left	Thru	Right (to Br	Hard Right	Hard Right	U-Turn	Left	Bear Left	Thru	Right	U-Turn	Hard Left	Bear Left	Bear Right	Hard Right	U-Turn
6:00 AM	0	0	0	5	0	10	0	0	0	0	0	60	2	0	0	0	0	0	0	0	0	0	0	0	0	0
6:05 AM	0	0	0	4	0	15	2	0	0	0	0	73	1	0	0	0	0	0	0	0	0	0	0	0	0	0
6:10 AM	0	0	0	4	0	11	0	0	0	0	0	86	0	1	0	0	0	0	0	0	0	0	0	0	0	0
6:15 AM	0	0	0	5	0	11	0	0	0	0	0	72	1	0	0	0	0	0	0	0	0	0	0	0	0	0
6:20 AM	0	0	0	7	0	22	3	2	0	0	0	87	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:25 AM	0	0	0	3	0	14	0	0	0	0	0	113	2	1	0	0	0	0	0	0	0	0	0	0	0	0
6:30 AM	0	0	0	1	0	19	2	0	0	0	0	77	1	0	0	0	0	0	0	0	0	0	0	0	0	0
6:35 AM	0	0	0	6	0	29	2	0	0	0	0	98	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:40 AM	0	0	0	11	0	22	3	0	0	0	0	101	1	0	0	0	0	0	0	0	0	0	0	0	0	0
6:45 AM	0	0	0	13	0	21	5	1	0	0	0	104	2	2	0	0	0	0	0	0	0	0	0	0	0	0
6:50 AM	0	0	0	8	0	26	2	0	0	0	0	89	2	1	1	0	0	0	0	0	0	0	0	0	0	0
6:55 AM	0	0	0	5	0	17	4	0	0	0	0	106	3	1	0	0	0	0	0	0	0	0	0	0	0	0
7:00 AM	0	0	0	6	0	20	8	0	0	0	0	65	4	1	0	0	0	0	0	0	0	0	0	0	0	0
7:05 AM	0	0	0	10	0	17	5	0	0	0	0	93	1	0	0	0	0	0	0	0	0	0	0	0	0	0
7:10 AM	0	0	0	15	0	14	7	0	0	0	0	84	3	1	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	13	0	34	7	1	0	0	0	86	3	1	0	0	0	0	0	0	0	0	0	0	0	0
7:20 AM	0	0	0	12	0	19	5	0	0	0	0	96	4	0	0	0	0	0	0	0	0	0	0	0	0	0
7:25 AM	0	0	0	10	0	28	8	0	0	0	0	95	8	1	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	11	0	26	13	0	0	0	0	102	2	1	0	0	0	0	0	0	0	0	0	0	0	0
7:35 AM	0	0	0	11	0	25	6	1	0	0	0	109	5	0	0	0	0	0	0	0	0	0	0	0	0	0
7:40 AM	0	0	0	23	0	23	13	0	0	0	0	98	5	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	11	0	24	10	0	0	0	0	133	6	2	1	0	0	0	0	0	0	0	0	0	0	0
7:50 AM	0	0	0	7	0	33	25	1	0	0	0	121	8	0	0	0	0	0	0	0	0	0	0	0	0	0
7:55 AM	0	0	0	9	0	21	7	0	0	0	0	132	4	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	15	0	15	10	1	0	0	0	115	1	0	0	0	0	0	0	0	0	0	0	0	0	0
8:05 AM	0	0	0	25	0	21	5	0	0	0	0	118	4	3	1	0	0	0	0	0	0	0	0	0	0	0
8:10 AM	0	0	0	17	0	27	4	1	0	0	0	123	6	1	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	21	0	23	10	0	0	0	0	88	2	1	0	0	0	0	0	0	0	0	0	0	0	0
8:20 AM	0	0	0	13	0	23	5	2	0	0	0	102	6	0	0	0	0	0	0	0	0	0	0	0	0	0
8:25 AM	0	0	0	15	0	19	9	0	0	0	0	126	4	2	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	16	0	37	14	2	0	0	0	102	2	0	0	0	0	0	0	0	0	0	0	0	0	0
8:35 AM	0	0	0	17	0	26	6	0	0	0	0	110	1	0	0	0	0	0	0	0	0	0	0	0	0	0
8:40 AM	0	0	0	10	0	31	12	0	0	0	0	112	3	1	1	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	0	0	21	0	26	7	0	0	0	0	103	1	0	0	0	0	0	0	0	0	0	0	0	0	0
8:50 AM	0	0	0	12	0	24	6	0	0	0	0	117	6	0	0	0	0	0	0	0	0	0	0	0	0	0
8:55 AM	0	0	0	24	0	24	8	0	0	0	0	95	2	0	0	0	0	0	0	0	0	0	0	0	0	0

Other Vehicles

	Northbound					Southbound					Eastbound					Westbound					Northeastbound				
	SW Broadway Drive					SW Broadway					I-405 Off Ramp					I405-Lincoln St					I405-Lincoln St				
Start Time	Hard Left	Left	Thru	Right	U-Turn	Left	Thru	Bear Right	Right	U-Turn	Left	Thru	Right	Hard Right	Hard Right	U-Turn	Left	Bear Left	Thru	Right	U-Turn	Hard Left	Bear Left	Bear Right	Hard Right	U-Turn
6:00 AM	0	0	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:05 AM	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:10 AM	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
6:15 AM	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:20 AM	0	0	0	0	0	2	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0
6:25 AM	0	0	0	0	0	1	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:30 AM	0	0	0	0	0	2	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:35 AM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:40 AM	0	0	0	0	0	2	0	0	0	0	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0
6:45 AM	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0
6:50 AM	0	0	0	0	0	1	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:55 AM	0	0	0	0	0	0	1	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:00 AM	0	0	0	0	0	1	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:05 AM	0	0	0	0	0	2	0	0	0	0	0	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0
7:10 AM	0	0	0	0	0	2	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	3	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:20 AM	0	0	0	0	0	1	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:25 AM	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	2	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0

7:35 AM	0	0	0	0	0	1	2	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
7:40 AM	0	0	0	0	0	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	1	0	1	1	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0
7:50 AM	0	0	0	0	0	1	2	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0
7:55 AM	0	0	0	0	0	1	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	1	0	2	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0
8:05 AM	0	0	0	0	0	1	1	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0
8:10 AM	0	0	0	1	0	1	1	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	1	2	0	0	0	0	3	2	0	0	0	0	0	0	0	0	0	0	0	0
8:20 AM	0	0	0	0	0	2	2	0	0	0	0	8	2	0	0	0	0	0	0	0	0	0	0	0	0
8:25 AM	0	0	0	1	0	2	0	0	0	0	0	5	1	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	1	1	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0
8:35 AM	0	0	0	0	0	0	4	0	0	0	0	5	2	0	0	0	0	0	0	0	0	0	0	0	0
8:40 AM	0	0	0	1	0	2	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	0	0	0	0	1	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0
8:50 AM	0	0	0	0	0	1	1	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0
8:55 AM	0	0	0	0	0	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0

Bicycles on Road

	Northbound					Southbound					Eastbound						Westbound					Northeastbound				
	SW Broadway Drive					SW Broadway					I-405 Off Ramp						I405-Lincoln St					I405-Lincoln St				
Start Time	Hard Left	Left	Thru	Right	U-Turn	Left	Thru	Bear Right	Right	U-Turn	Left	Thru	Right	Hard Right	Hard Right	U-Turn	Left	Bear Left	Thru	Right	U-Turn	Hard Left	Bear Left	Bear Right	Hard Right	U-Turn
6:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:05 AM	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:10 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:15 AM	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:20 AM	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:25 AM	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:30 AM	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:35 AM	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:40 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:45 AM	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:50 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:55 AM	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:00 AM	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:05 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:10 AM	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:20 AM	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:25 AM	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:35 AM	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:40 AM	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:50 AM	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:55 AM	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:05 AM	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:10 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:20 AM	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:25 AM	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:35 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:40 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:50 AM	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:55 AM	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

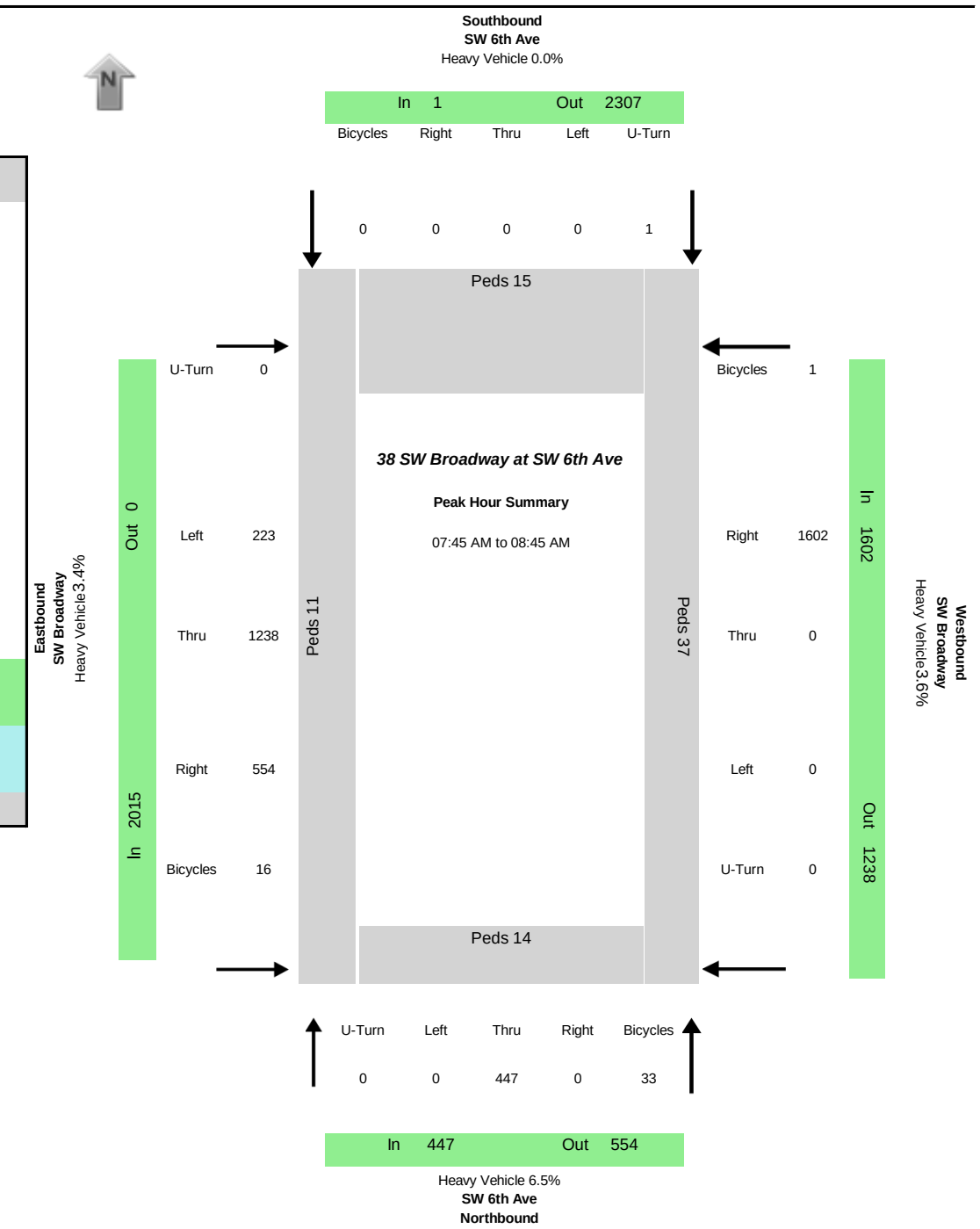
All Pedestrians

	Northbound		Southbound		Eastbound		Westbound		Northeastbound	
	SW Broadway Dr		SW Broadway		I405		SW Broadway		Lincoln St	
Start Time	Peds CCW	Peds CW	Peds CCW	Peds CW	Peds CCW	Peds CW	Peds CCW	Peds CW	Peds CCW	Peds CW
6:00 AM	0	0	0	0	0	0	0	0	0	0
6:05 AM	0	0	0	0	0	0	0	0	0	0
6:10 AM	0	0	0	0	0	0	0	0	0	0
6:15 AM	0	1	0	0	0	0	0	0	0	2
6:20 AM	0	0	0	0	0	0	0	0	0	0
6:25 AM	0	2	0	0	0	0	0	0	0	4
6:30 AM	0	0	0	0	0	0	0	0	0	0
6:35 AM	0	0	0	0	0	0	0	0	1	0
6:40 AM	0	0	0	0	0	0	0	0	0	1
6:45 AM	0	0	0	0	0	0	0	0	0	1
6:50 AM	0	0	0	0	0	1	0	0	0	2

6:55 AM	0	0	0	0	0	0	0	0	0	0
7:00 AM	0	0	0	0	0	0	0	0	0	1
7:05 AM	0	0	0	0	0	0	0	0	0	0
7:10 AM	0	0	0	0	0	0	0	0	0	0
7:15 AM	1	0	0	0	0	0	0	0	0	2
7:20 AM	0	0	0	0	0	0	0	0	0	0
7:25 AM	0	0	0	0	0	0	0	0	2	2
7:30 AM	2	1	0	0	0	0	0	0	3	1
7:35 AM	0	1	0	0	0	0	0	0	0	1
7:40 AM	0	0	0	0	0	0	0	0	0	3
7:45 AM	2	1	0	0	0	0	0	0	3	0
7:50 AM	0	0	0	0	0	2	0	0	1	0
7:55 AM	0	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	0	2	0
8:05 AM	0	0	0	0	0	0	0	0	1	0
8:10 AM	0	0	0	0	0	0	0	0	0	2
8:15 AM	0	0	0	0	0	0	0	0	1	0
8:20 AM	0	0	0	0	1	0	0	0	0	1
8:25 AM	1	0	0	0	0	1	0	0	0	0
8:30 AM	2	0	0	0	0	0	0	0	0	0
8:35 AM	0	0	0	0	0	0	0	0	0	0
8:40 AM	0	0	0	0	0	0	0	0	1	1
8:45 AM	0	0	0	0	0	0	0	0	0	0
8:50 AM	0	0	0	0	0	0	0	0	0	1
8:55 AM	0	0	0	0	0	0	0	0	0	0

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW 6th Ave*
E/W street	*SW Broadway*
City, State	Portland OR
Site Notes	
Location	45.507161 - -122.684236
Start Date	Tuesday, October 23, 2018
Start Time	06:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:45:00 AM
Peak 15 Min Start	07:45:00 AM
PHF (15-Min Int)	0.97



Peak-Hour Volumes (PHV)

Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
0	447	0	0	0	0	0	1	223	1238	554	0	0	0	1602	0	447	1	2015	1602	554	2273	0	1238
Percent Heavy Vehicles																							
0.0%	6.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	5.4%	3.2%	3.2%	0.0%	0.0%	0.0%	3.6%	0.0%	6.9%	0.0%	3.4%	3.6%	3.2%	4.4%	#DIV/0!	3.2%

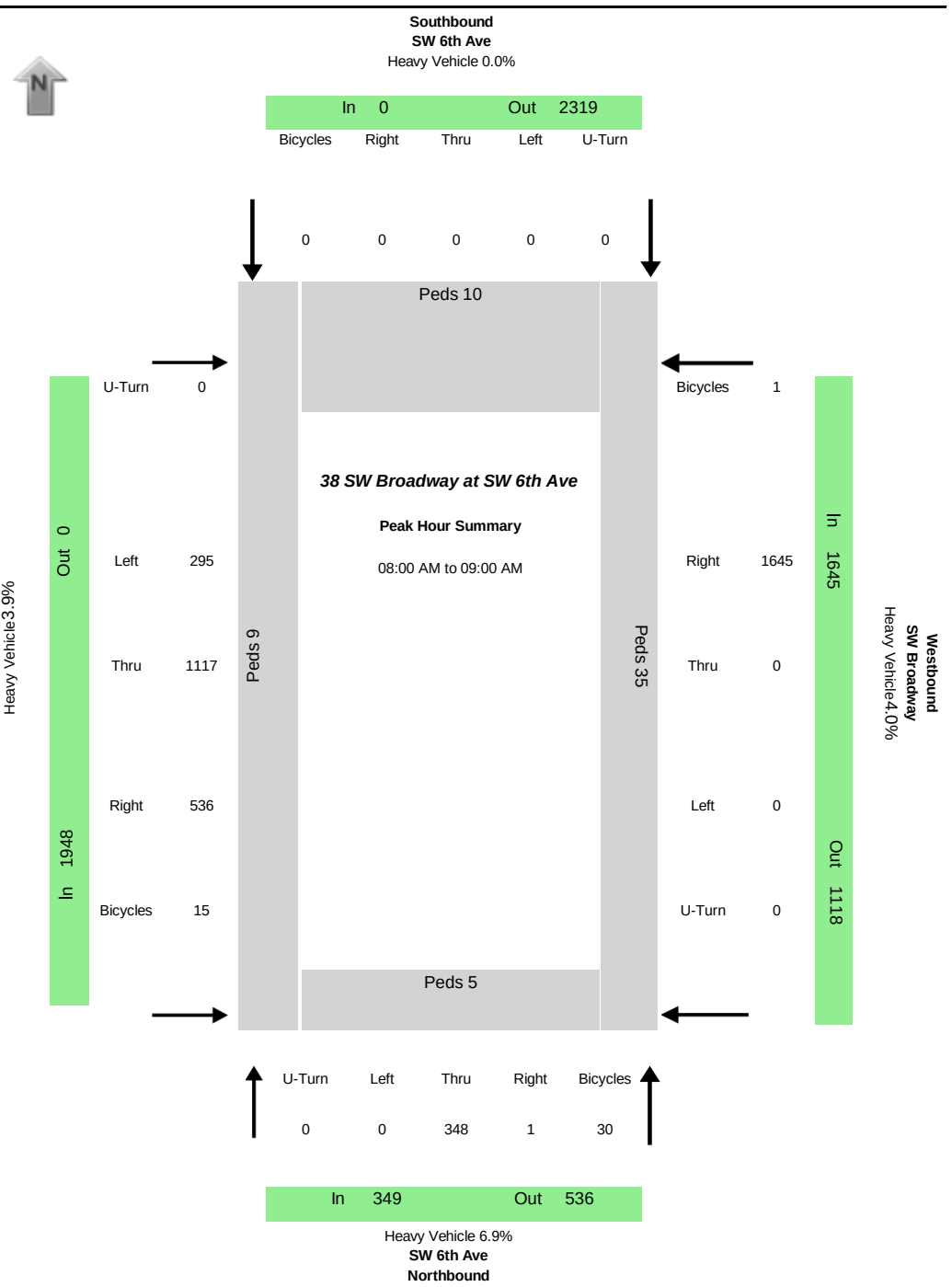
PHV- Bicycles																	PHV - Pedestrians				
Northbound				Southbound				Eastbound				Westbound					in Crosswalk				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**	NB	SB	EB	WB	**Sum**
0	33	0	0	0	0	0	0	1	2	13	0	0	0	0	1	50	14	15	11	37	77

All Vehicle Volumes

	Northbound				Southbound				Eastbound				Westbound					
	SW 6th Ave				SW 6th Ave				SW Broadway				SW Broadway				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
06:00:00 AM	0	13	0	0	0	0	0	0	5	51	29	0	0	0	70	0		
06:05:00 AM	0	9	0	0	0	0	0	0	6	54	35	0	0	0	75	0		
06:10:00 AM	0	12	0	0	0	0	0	0	10	56	35	0	0	0	87	0	547	
06:15:00 AM	0	11	0	0	0	0	0	0	9	53	41	0	0	0	83	0	576	
06:20:00 AM	0	15	0	0	0	0	0	0	7	53	56	0	0	0	107	0	635	
06:25:00 AM	0	12	0	0	0	0	0	0	3	51	49	0	0	0	121	0	671	
06:30:00 AM	0	19	0	0	0	0	0	0	7	40	49	0	0	0	112	0	701	
06:35:00 AM	0	15	0	0	0	0	0	0	20	93	75	0	0	0	100	0	766	
06:40:00 AM	0	17	0	0	0	0	0	0	17	87	50	0	0	0	125	0	826	
06:45:00 AM	0	29	0	0	0	0	0	0	11	65	77	0	0	0	105	0	886	
06:50:00 AM	0	21	0	0	0	0	0	0	9	81	58	0	0	0	117	0	869	
06:55:00 AM	0	14	0	0	0	0	0	0	10	84	57	0	0	0	131	0	869	2913
07:00:00 AM	0	31	0	0	0	0	0	0	11	61	35	0	0	0	124	0	844	3007
07:05:00 AM	0	21	0	0	0	0	0	0	21	66	33	0	0	0	106	0	805	3075
07:10:00 AM	0	22	0	0	0	0	0	0	11	71	36	0	0	0	138	0	787	3153
07:15:00 AM	0	37	0	0	0	0	0	0	25	63	42	0	0	0	97	0	789	3220
07:20:00 AM	0	31	0	0	0	0	0	0	16	68	48	0	0	0	116	0	821	3261
07:25:00 AM	0	36	0	0	0	0	0	0	13	79	53	0	0	0	121	0	845	3327
07:30:00 AM	0	56	0	0	0	0	0	0	10	76	48	0	0	0	117	0	888	3407
07:35:00 AM	0	43	0	0	0	0	0	0	20	100	33	0	0	0	106	0	911	3406
07:40:00 AM	0	35	0	0	0	0	0	0	16	95	37	0	0	0	137	0	929	3430
07:45:00 AM	0	47	0	0	0	0	0	0	19	96	55	0	0	0	118	0	957	3478
07:50:00 AM	0	58	0	0	0	0	0	0	17	101	59	0	0	0	115	0	1005	3542
07:55:00 AM	0	43	0	0	0	0	0	0	17	108	45	0	0	0	146	0	1044	3605
08:00:00 AM	0	41	0	0	0	0	0	1	19	89	42	0	0	0	117	0	1018	3652
08:05:00 AM	0	36	0	0	0	0	0	0	17	117	48	0	0	0	115	0	1001	3738
08:10:00 AM	0	37	0	0	0	0	0	0	18	103	45	0	0	0	135	0	980	3798
08:15:00 AM	0	27	0	0	0	0	0	0	13	96	48	0	0	0	152	0	1007	3870
08:20:00 AM	0	26	0	0	0	0	0	0	20	109	44	0	0	0	123	0	996	3913
08:25:00 AM	0	23	0	0	0	0	0	0	14	118	52	0	0	0	156	0	1021	3974
08:30:00 AM	0	39	0	0	0	0	0	0	24	97	44	0	0	0	140	0	1029	4011
08:35:00 AM	0	38	0	0	0	0	0	0	24	100	30	0	0	0	126	0	1025	4027
08:40:00 AM	0	32	0	0	0	0	0	0	21	104	42	0	0	0	159	0	1020	4065
08:45:00 AM	0	37	1	0	0	0	0	0	21	93	44	0	0	0	133	0	1005	4059
08:50:00 AM	0	16	0	0	0	0	0	0	18	104	45	0	0	0	137	0	1007	4029
08:55:00 AM	0	19	0	0	0	0	0	0	22	94	38	0	0	0	160	0	982	4003

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW 6th Ave*
E/W street	*SW Broadway*
City, State	Portland OR
Site Notes	
Location	45.507161 - -122.684236
Start Date	Wednesday, October 24, 2018
Start Time	06:00:00 AM
Weather	
Study ID #	
Peak Hour Start	08:00:00 AM
Peak 15 Min Start	08:45:00 AM
PHF (15-Min Int)	0.95



Peak-Hour Volumes (PHV)

Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
0	348	1	0	0	0	0	0	295	1117	536	0	0	0	1645	0	349	0	1948	1645	536	2288	0	1118

Percent Heavy Vehicles

0.0%	7.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.1%	4.4%	3.4%	0.0%	0.0%	0.0%	4.0%	0.0%	7.4%	0.0%	3.9%	4.0%	3.4%	4.4%	#DIV/0!	4.4%

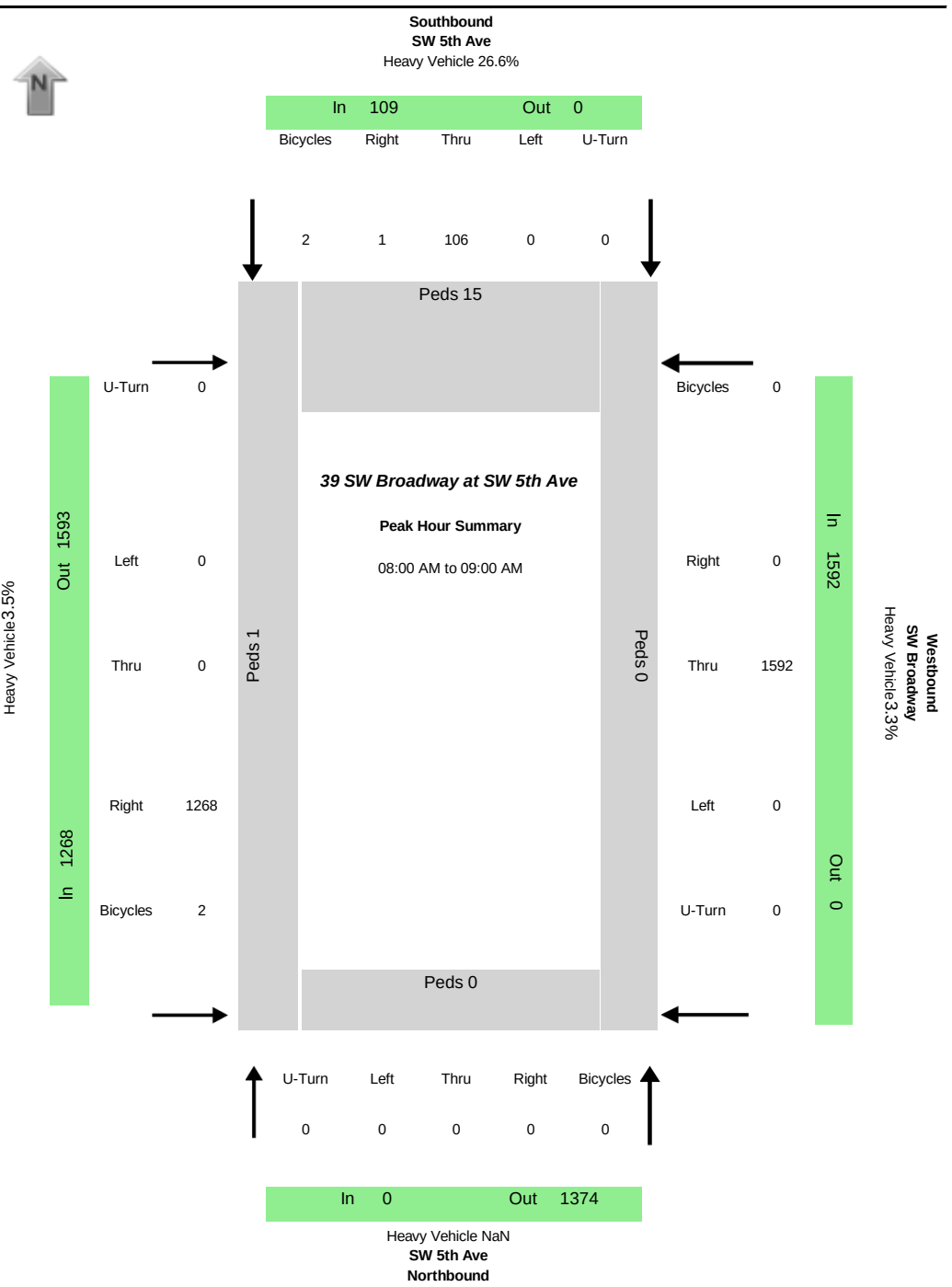
PHV- Bicycles																	PHV - Pedestrians				
Northbound				Southbound				Eastbound				Westbound					in Crosswalk				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**	NB	SB	EB	WB	**Sum**
0	30	0	0	0	0	0	0	0	1	14	0	0	0	1	0	46	5	10	9	35	59

All Vehicle Volumes

	Northbound				Southbound				Eastbound				Westbound					
	SW 6th Ave				SW 6th Ave				SW Broadway				SW Broadway				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
06:00:00 AM	0	15	0	0	0	0	0	0	9	44	33	0	0	0	58	0		
06:05:00 AM	0	9	0	0	0	0	0	0	9	47	36	0	0	0	81	0		
06:10:00 AM	0	18	0	0	0	0	0	0	8	50	34	0	0	0	60	0	511	
06:15:00 AM	0	9	0	0	0	0	0	0	8	57	37	0	0	0	104	0	567	
06:20:00 AM	0	13	0	0	0	0	0	0	8	58	48	0	0	0	115	0	627	
06:25:00 AM	0	16	0	0	0	0	0	0	13	50	60	0	0	0	107	0	703	
06:30:00 AM	0	21	0	0	0	0	0	0	6	39	50	0	0	0	111	0	715	
06:35:00 AM	0	10	0	0	0	0	0	0	8	70	74	0	0	0	115	0	750	
06:40:00 AM	0	16	0	0	0	0	0	0	17	68	49	0	0	0	121	0	775	
06:45:00 AM	0	24	0	0	0	0	0	0	11	61	51	0	0	0	101	0	796	
06:50:00 AM	0	18	0	0	0	0	0	0	11	83	56	0	0	0	118	0	805	
06:55:00 AM	0	24	0	0	0	0	0	0	14	60	52	0	0	0	111	0	795	2784
07:00:00 AM	0	28	0	0	0	0	0	0	9	52	37	0	0	0	130	0	803	2881
07:05:00 AM	0	18	0	0	0	0	0	0	9	73	40	0	0	0	127	0	784	2966
07:10:00 AM	0	28	0	0	0	0	0	0	12	72	38	0	0	0	130	0	803	3076
07:15:00 AM	0	34	0	0	0	0	0	0	15	67	46	0	0	0	125	0	834	3148
07:20:00 AM	0	19	0	0	0	0	0	0	12	71	61	0	0	0	115	0	845	3184
07:25:00 AM	0	23	0	0	0	0	0	0	12	73	41	0	0	0	123	0	837	3210
07:30:00 AM	0	41	1	0	0	0	0	0	13	82	40	0	0	0	101	0	828	3261
07:35:00 AM	0	68	0	0	0	0	0	0	17	88	56	0	0	0	90	0	869	3303
07:40:00 AM	0	40	0	0	0	0	0	0	20	96	51	0	0	0	125	0	929	3364
07:45:00 AM	0	52	0	0	0	0	0	0	19	81	54	0	0	0	143	0	1000	3465
07:50:00 AM	0	41	0	0	0	0	0	0	18	107	53	0	0	0	117	0	1017	3515
07:55:00 AM	0	29	0	0	0	0	0	0	12	108	49	0	0	0	147	0	1030	3599
08:00:00 AM	0	44	0	0	0	0	0	0	14	89	43	0	0	0	129	0	1000	3662
08:05:00 AM	0	21	0	0	0	0	0	0	27	109	34	0	0	0	114	0	969	3700
08:10:00 AM	0	28	0	0	0	0	0	0	33	114	35	0	0	0	131	0	965	3761
08:15:00 AM	0	33	0	0	0	0	0	0	15	75	44	0	0	0	136	0	949	3777
08:20:00 AM	0	21	0	0	0	0	0	0	35	80	53	0	0	0	114	0	947	3802
08:25:00 AM	0	32	0	0	0	0	0	0	18	85	54	0	0	0	149	0	944	3868
08:30:00 AM	0	32	0	0	0	0	0	0	24	85	45	0	0	0	142	0	969	3918
08:35:00 AM	0	21	0	0	0	0	0	0	32	100	45	0	0	0	133	0	997	3930
08:40:00 AM	0	28	1	0	0	0	0	0	17	79	50	0	0	0	166	0	1000	3939
08:45:00 AM	0	25	0	0	0	0	0	0	26	96	53	0	0	0	135	0	1007	3925
08:50:00 AM	0	32	0	0	0	0	0	0	30	105	44	0	0	0	133	0	1020	3933
08:55:00 AM	0	31	0	0	0	0	0	0	24	100	36	0	0	0	163	0	1033	3942

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW 5th Ave*
E/W street	*SW Broadway*
City, State	Portland OR
Site Notes	
Location	45.506757 - -122.683749
Start Date	Tuesday, October 23, 2018
Start Time	06:00:00 AM
Weather	
Study ID #	
Peak Hour Start	08:00:00 AM
Peak 15 Min Start	08:40:00 AM
PHF (15-Min Int)	0.97



Peak-Hour Volumes (PHV)

Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
0	0	0	0	0	106	1	0	0	0	1268	0	0	1592	0	0	0	107	1268	1592	1374	0	1593	0
Percent Heavy Vehicles																							
0.0%	0.0%	0.0%	0.0%	0.0%	27.4%	0.0%	0.0%	0.0%	0.0%	3.5%	0.0%	0.0%	3.3%	0.0%	0.0%	#DIV/0!	27.1%	3.5%	3.3%	5.3%	0.0%	3.3%	0.0%

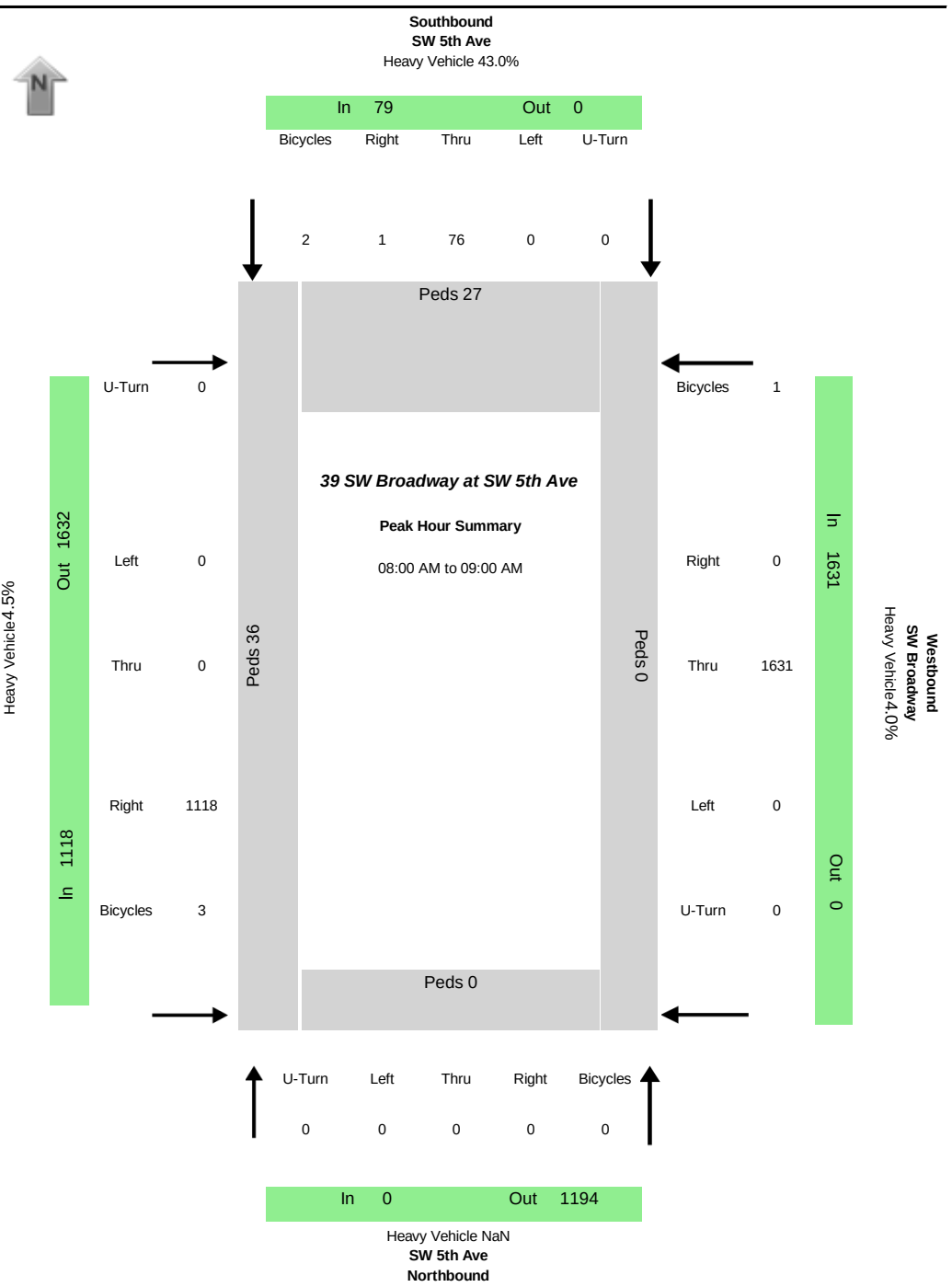
PHV- Bicycles																	PHV - Pedestrians				
Northbound				Southbound				Eastbound				Westbound					in Crosswalk				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**	NB	SB	EB	WB	**Sum**
					2	0	0	0		2	0	0	0	0		4	0	15	1	0	16

All Vehicle Volumes

	Northbound				Southbound				Eastbound				Westbound					
					SW 5th Ave				SW Broadway				SW Broadway				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
06:00:00 AM						4	0	0	0		50	0	0	68	0			
06:05:00 AM						2	0	0	0		58	0	0	76	0			
06:10:00 AM						4	0	0	0		58	0	0	84	0		404	
06:15:00 AM						1	0	0	0		47	0	0	78	0		408	
06:20:00 AM						7	0	0	0		63	0	0	110	0		452	
06:25:00 AM						5	0	0	0		53	0	0	119	0		483	
06:30:00 AM						4	0	0	0		39	0	0	107	0		507	
06:35:00 AM						5	0	0	0		91	0	0	83	0		506	
06:40:00 AM						2	0	0	0		83	0	0	117	0		531	
06:45:00 AM						5	0	0	0		71	0	0	96	0		553	
06:50:00 AM						10	0	0	0		73	0	0	104	0		561	
06:55:00 AM						4	0	0	0		98	0	0	119	0		580	1998
07:00:00 AM						7	0	0	0		61	0	0	118	0		594	2062
07:05:00 AM						3	0	0	0		56	0	0	114	0		580	2099
07:10:00 AM						3	0	0	0		79	0	0	149	0		590	2184
07:15:00 AM						7	0	0	0		65	0	0	102	0		578	2232
07:20:00 AM						4	0	0	0		62	0	0	119	0		590	2237
07:25:00 AM						9	0	0	0		83	0	0	123	0		574	2275
07:30:00 AM						6	0	0	0		78	0	0	119	0		603	2328
07:35:00 AM						6	0	0	0		89	0	0	102	0		615	2346
07:40:00 AM						9	0	0	0		102	0	0	134	0		645	2389
07:45:00 AM						9	0	0	0		101	0	0	118	0		670	2445
07:50:00 AM						13	0	0	0		90	0	0	113	0		689	2474
07:55:00 AM						3	0	0	0		114	0	0	140	0		701	2510
08:00:00 AM						12	0	0	0		97	0	0	121	0		703	2554
08:05:00 AM						12	0	0	0		115	0	0	95	0		709	2603
08:10:00 AM						11	0	0	0		113	0	0	137	0		713	2633
08:15:00 AM						3	1	0	0		97	0	0	145	0		729	2705
08:20:00 AM						7	0	0	0		111	0	0	123	0		748	2761
08:25:00 AM						6	0	0	0		118	0	0	147	0		758	2817
08:30:00 AM						11	0	0	0		102	0	0	130	0		755	2857
08:35:00 AM						11	0	0	0		97	0	0	117	0		739	2885
08:40:00 AM						12	0	0	0		117	0	0	160	0		757	2929
08:45:00 AM						13	0	0	0		99	0	0	134	0		760	2947
08:50:00 AM						5	0	0	0		96	0	0	130	0		766	2962
08:55:00 AM						3	0	0	0		106	0	0	153	0		739	2967

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW 5th Ave*
E/W street	*SW Broadway*
City, State	Portland OR
Site Notes	
Location	45.506757 - -122.683749
Start Date	Wednesday, October 24, 2018
Start Time	06:00:00 AM
Weather	
Study ID #	
Peak Hour Start	08:00:00 AM
Peak 15 Min Start	08:45:00 AM
PHF (15-Min Int)	0.94



Peak-Hour Volumes (PHV)

Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
0	0	0	0	0	76	1	0	0	0	1118	0	0	1631	0	0	0	77	1118	1631	1194	0	1632	0

Percent Heavy Vehicles

0.0%	0.0%	0.0%	0.0%	0.0%	44.7%	0.0%	0.0%	0.0%	0.0%	4.5%	0.0%	0.0%	4.0%	0.0%	0.0%	#DIV/0!	44.2%	4.5%	4.0%	7.0%	0.0%	4.0%	0.0%

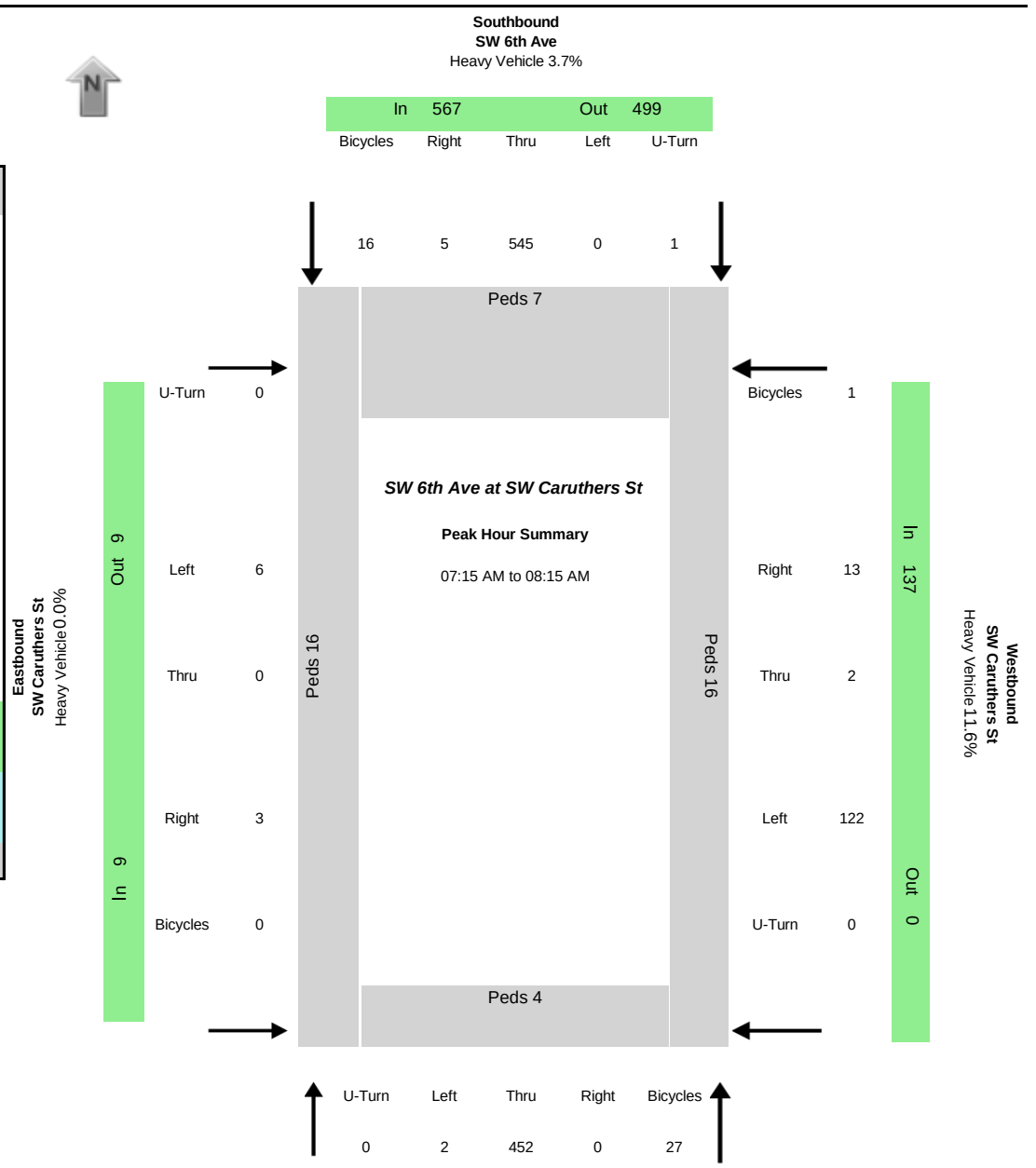
PHV- Bicycles																	PHV - Pedestrians				
Northbound				Southbound				Eastbound				Westbound					in Crosswalk				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**	NB	SB	EB	WB	**Sum**
					2	0	0	0		3	0	0	1	0		6	0	27	36	0	63

All Vehicle Volumes

	Northbound				Southbound				Eastbound				Westbound					
					SW 5th Ave				SW Broadway				SW Broadway				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
06:00:00 AM						1	0	0	0		43	0	0	55	0			
06:05:00 AM						3	0	0	0		50	0	0	83	0			
06:10:00 AM						1	0	0	0		50	0	0	61	0		347	
06:15:00 AM						3	0	0	0		48	0	0	97	0		396	
06:20:00 AM						1	0	0	0		66	0	0	115	0		442	
06:25:00 AM						3	0	0	0		50	0	0	106	0		489	
06:30:00 AM						5	0	0	0		38	0	0	111	0		495	
06:35:00 AM						5	0	0	0		65	0	0	107	0		490	
06:40:00 AM						3	0	0	0		72	0	0	121	0		527	
06:45:00 AM						4	0	0	0		63	0	0	103	0		543	
06:50:00 AM						5	0	0	0		75	0	0	113	0		559	
06:55:00 AM						6	0	0	0		65	0	0	111	0		545	1908
07:00:00 AM						6	0	0	0		53	0	0	136	0		570	2004
07:05:00 AM						3	1	0	0		65	0	0	119	0		565	2056
07:10:00 AM						2	0	0	0		76	0	0	130	0		591	2152
07:15:00 AM						5	0	0	0		66	0	0	126	0		593	2201
07:20:00 AM						5	0	0	0		67	0	0	113	0		590	2204
07:25:00 AM						4	0	0	0		73	0	0	120	0		579	2242
07:30:00 AM						7	0	0	0		83	0	0	106	0		578	2284
07:35:00 AM						9	0	0	0		78	0	0	85	0		565	2279
07:40:00 AM						2	0	0	0		97	0	0	123	0		590	2305
07:45:00 AM						8	0	0	0		86	0	0	125	0		613	2354
07:50:00 AM						9	0	0	0		93	0	0	105	0		648	2368
07:55:00 AM						7	0	0	0		116	0	0	135	0		684	2444
08:00:00 AM						5	1	0	0		91	0	0	126	0		688	2472
08:05:00 AM						10	0	0	0		101	0	0	110	0		702	2505
08:10:00 AM						5	0	0	0		120	0	0	129	0		698	2551
08:15:00 AM						5	0	0	0		78	0	0	136	0		694	2573
08:20:00 AM						7	0	0	0		70	0	0	111	0		661	2576
08:25:00 AM						6	0	0	0		87	0	0	151	0		651	2623
08:30:00 AM						4	0	0	0		91	0	0	145	0		672	2667
08:35:00 AM						9	0	0	0		92	0	0	132	0		717	2728
08:40:00 AM						3	0	0	0		86	0	0	166	0		728	2761
08:45:00 AM						5	0	0	0		97	0	0	135	0		725	2779
08:50:00 AM						10	0	0	0		98	0	0	133	0		733	2813
08:55:00 AM						7	0	0	0		107	0	0	157	0		749	2826

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW 6th Ave*
E/W street	*SW Caruthers St*
City, State	Portland OR
Site Notes	
Location	45.505896 - -122.6843
Start Date	Tuesday, October 23, 2018
Start Time	07:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:15:00 AM
Peak 15 Min Start	07:45:00 AM
PHF (15-Min Int)	0.91



Peak-Hour Volumes (PHV)

Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
2	452	0	0	0	545	5	1	6	0	3	0	122	2	13	0	454	551	9	137	670	472	9	0

Percent Heavy Vehicles

0.0%	5.5%	0.0%	0.0%	0.0%	3.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	13.1%	0.0%	0.0%	0.0%	5.5%	3.8%	0.0%	11.7%	5.5%	5.3%	0.0%	0.0%

PHV- Bicycles

Northbound				Southbound				Eastbound				Westbound				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**
0	27	0	0	0	16	0	0	0	0	0	0	1	0	0	0	44

PHV - Pedestrians

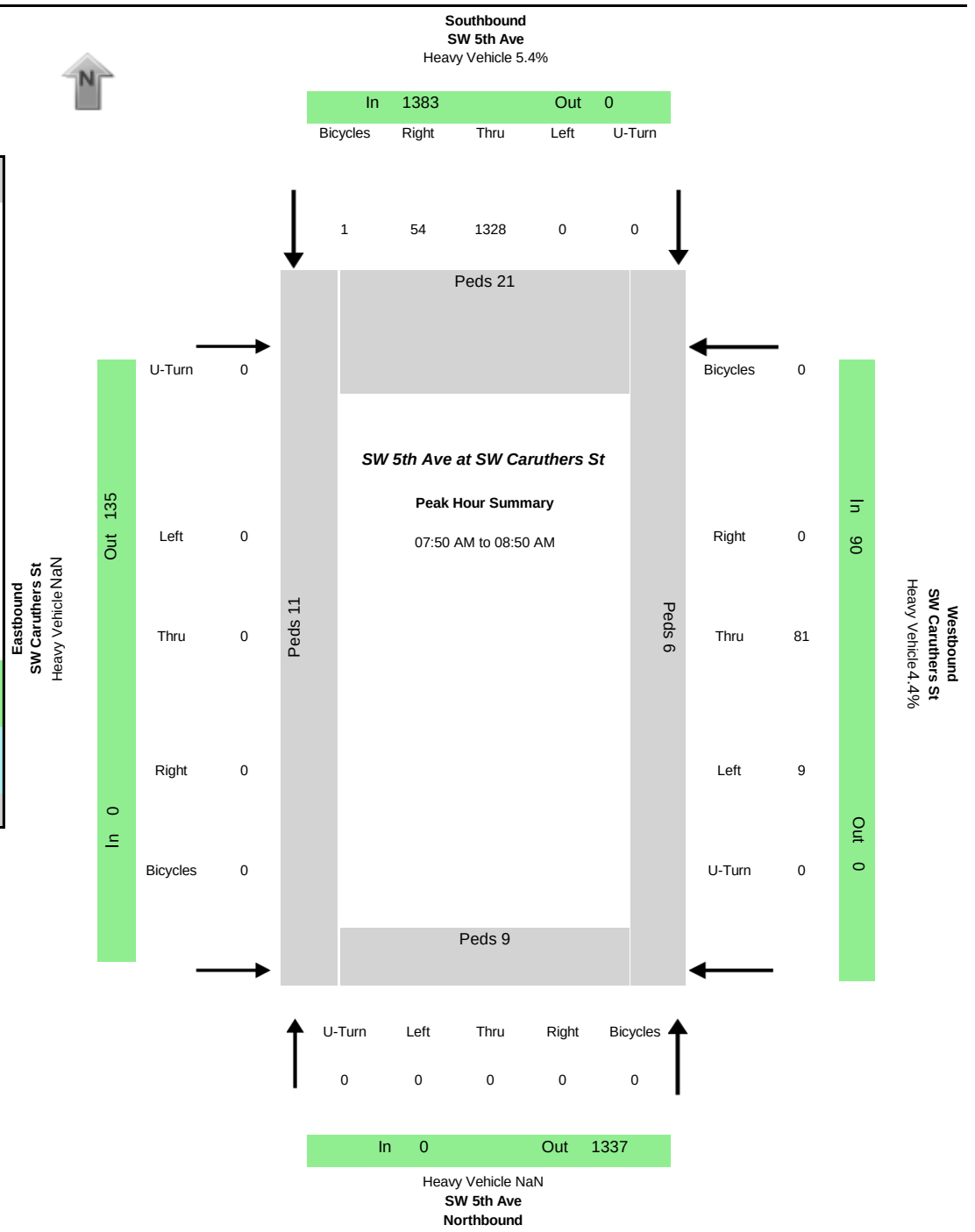
in Crosswalk				
NB	SB	EB	WB	**Sum**
4	7	16	16	43

All Vehicle Volumes

	Northbound				Southbound				Eastbound				Westbound					
	SW 6th Ave				SW 6th Ave				SW Caruthers St				SW Caruthers St				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
07:00:00 AM	0	30	0	0	0	34	0	0	0	0	0	0	12	0	0	0		
07:05:00 AM	0	24	0	0	0	32	0	0	1	0	1	0	10	0	0	0		
07:10:00 AM	0	20	0	0	0	37	0	0	0	0	0	0	8	0	0	0	209	
07:15:00 AM	0	34	0	0	0	38	0	0	0	0	0	0	9	0	1	0	215	
07:20:00 AM	0	26	0	0	0	43	0	0	1	0	0	0	12	0	2	0	231	
07:25:00 AM	0	34	0	0	0	55	0	1	1	0	0	0	10	1	0	0	268	
07:30:00 AM	0	52	0	0	0	51	0	0	0	0	0	0	15	0	0	0	304	
07:35:00 AM	0	44	0	0	0	26	0	0	0	0	0	0	9	0	2	0	301	
07:40:00 AM	0	51	0	0	0	40	0	0	1	0	0	0	8	0	2	0	301	
07:45:00 AM	0	42	0	0	0	54	0	0	0	0	0	0	7	0	2	0	288	
07:50:00 AM	0	36	0	0	0	53	1	0	1	0	0	0	12	0	1	0	311	
07:55:00 AM	1	44	0	0	0	54	0	0	0	0	1	0	8	0	0	0	317	1095
08:00:00 AM	0	36	0	0	0	41	2	0	1	0	1	0	12	1	0	0	306	1113
08:05:00 AM	1	32	0	0	0	40	0	0	1	0	0	0	14	0	3	0	293	1136
08:10:00 AM	0	21	0	0	0	50	2	0	0	0	1	0	6	0	0	0	265	1151
08:15:00 AM	0	21	0	0	0	46	0	0	1	0	0	0	13	0	0	0	252	1150
08:20:00 AM	0	24	0	0	0	43	0	0	0	0	0	0	12	0	0	0	240	1145
08:25:00 AM	0	23	0	0	0	57	0	0	1	0	0	0	8	0	1	0	250	1133
08:30:00 AM	1	33	0	0	0	42	0	0	1	0	1	0	8	0	1	0	256	1102
08:35:00 AM	0	29	0	0	0	32	0	0	0	0	0	0	6	1	0	0	245	1089
08:40:00 AM	2	33	0	0	0	44	1	0	0	0	0	0	11	1	1	0	248	1080
08:45:00 AM	0	24	0	0	0	41	0	0	0	0	2	0	6	0	1	0	235	1049
08:50:00 AM	0	16	0	0	0	40	0	0	0	0	1	0	10	1	1	0	236	1014
08:55:00 AM	1	17	0	0	0	43	0	0	0	0	2	0	5	1	1	0	213	976

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW 5th Ave*
E/W street	*SW Caruthers St*
City, State	Portland OR
Site Notes	
Location	45.505775 - -122.683293
Start Date	Tuesday, October 23, 2018
Start Time	07:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:50:00 AM
Peak 15 Min Start	08:00:00 AM
PHF (15-Min Int)	0.94



Peak-Hour Volumes (PHV)																							
Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
0	0	0	0	0	1328	54	0	0	0	0	0	9	81	0	0	0	1382	0	90	1337	0	135	0
Percent Heavy Vehicles																							
0.0%	0.0%	0.0%	0.0%	0.0%	4.7%	24.1%	0.0%	0.0%	0.0%	0.0%	0.0%	22.2%	2.5%	0.0%	0.0%	#DIV/0!	5.4%	#DIV/0!	4.4%	4.8%	0.0%	11.1%	0.0%

PHV- Bicycles																	PHV - Pedestrians				
Northbound				Southbound				Eastbound				Westbound					in Crosswalk				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**	NB	SB	EB	WB	**Sum**
0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	9	21	11	6	47

All Vehicle Volumes

	Northbound				Southbound				Eastbound				Westbound					
	SW 5th Ave				SW 5th Ave				SW Caruthers St				SW Caruthers St				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
07:00:00 AM	0	0	0	0	0	67	3	0	0	0	1	0	2	8	0	0		
07:05:00 AM	0	0	0	0	0	52	1	0	0	0	0	0	1	8	0	0		
07:10:00 AM	0	0	0	0	0	84	0	0	0	0	0	0	0	9	0	0	236	
07:15:00 AM	0	0	0	0	0	66	5	0	0	0	0	0	0	8	0	0	234	
07:20:00 AM	0	0	0	0	0	59	1	0	0	0	0	0	0	11	0	0	243	
07:25:00 AM	0	0	0	0	0	94	1	0	0	0	0	0	0	9	0	0	254	
07:30:00 AM	0	0	0	0	0	86	3	0	0	0	0	0	1	11	0	0	276	
07:35:00 AM	0	0	0	0	0	83	4	0	0	0	0	0	1	7	0	0	300	
07:40:00 AM	0	0	0	0	0	112	3	0	0	0	0	0	0	8	0	0	319	
07:45:00 AM	0	0	0	0	0	89	5	0	0	0	0	0	0	4	0	0	316	
07:50:00 AM	0	0	0	0	0	98	6	0	0	0	0	0	0	9	0	0	334	
07:55:00 AM	0	0	0	0	0	118	1	0	0	0	0	0	0	6	0	0	336	1145
08:00:00 AM	0	0	0	0	0	111	5	0	0	0	0	0	2	8	0	0	364	1190
08:05:00 AM	0	0	0	0	0	111	9	0	0	0	0	0	0	7	0	0	378	1255
08:10:00 AM	0	0	0	0	0	127	8	0	0	0	0	0	0	3	0	0	391	1300
08:15:00 AM	0	0	0	0	0	100	2	0	0	0	0	0	2	10	0	0	379	1335
08:20:00 AM	0	0	0	0	0	104	3	0	0	0	0	0	1	8	0	0	368	1380
08:25:00 AM	0	0	0	0	0	132	1	0	0	0	0	0	1	7	0	0	371	1417
08:30:00 AM	0	0	0	0	0	104	3	0	0	0	0	0	1	7	0	0	372	1431
08:35:00 AM	0	0	0	0	0	99	1	0	0	0	0	0	2	9	0	0	367	1447
08:40:00 AM	0	0	0	0	0	126	10	0	0	0	0	0	0	4	0	0	366	1464
08:45:00 AM	0	0	0	0	0	98	5	0	0	0	0	0	0	3	0	0	357	1472
08:50:00 AM	0	0	0	0	0	97	4	0	0	0	0	0	1	8	0	0	356	1469
08:55:00 AM	0	0	0	0	0	102	2	0	0	0	0	0	2	4	0	0	326	1454

Study Name	42 SW 4th Ave at SW Caruthers-Broadway
Start Date	10/23/2018
Start Time	6:00 AM
Site Code	

Location 45.505828 -122.682

Lights

	Northbound SW 4th Ave					Southbound SW 4th AVe					Eastbound SW Broadway					Westbound SW Broadway					Northeastbound SW Caruthers				
Start Time	Hard Left	Left	Thru	Right	U-Turn	Left	Thru	Bear Right	Right	U-Turn	Left	Thru	Right	Hard Right	U-Turn	Left	Bear Left	Thru	Right	Right on Re	U-Turn	Hard Left	Bear Left	Bear Right	Hard Right	U-Turn
6:00 AM	0	7	7	0	0	0	0	0	0	0	0	0	0	0	0	0	4	57	2	0	0	0	0	0	0	0
6:05 AM	0	7	11	0	0	0	0	0	0	0	0	0	0	0	0	0	5	62	3	2	0	0	0	0	0	0
6:10 AM	1	12	6	0	0	0	0	0	0	0	0	0	0	0	0	0	4	75	8	1	0	0	0	0	0	0
6:15 AM	0	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	10	80	6	1	0	0	0	0	0	0
6:20 AM	1	11	12	0	0	0	0	0	0	0	0	0	0	0	0	0	8	89	5	0	0	0	0	0	0	0
6:25 AM	3	20	9	0	0	0	0	0	0	0	0	0	0	0	0	0	7	98	4	1	0	0	0	0	0	0
6:30 AM	1	14	10	0	0	0	0	0	0	0	0	0	0	0	0	0	4	96	1	0	0	0	0	0	0	0
6:35 AM	1	15	14	0	0	0	0	0	0	0	0	0	0	0	0	0	15	102	6	0	0	0	0	0	0	0
6:40 AM	2	22	29	0	0	0	0	0	0	0	0	0	0	0	0	0	3	80	4	0	0	0	0	0	0	0
6:45 AM	2	24	38	0	0	0	0	0	0	0	0	0	0	0	0	0	6	80	3	1	0	0	0	0	0	0
6:50 AM	1	24	28	0	0	0	0	0	0	0	0	0	0	0	0	0	12	103	7	0	0	0	0	0	0	0
6:55 AM	1	29	38	0	0	0	0	0	0	0	0	0	0	0	0	0	7	81	6	0	0	0	0	0	0	0
7:00 AM	2	35	28	0	0	0	0	0	0	0	0	0	0	0	0	0	5	89	8	0	0	0	0	0	0	0
7:05 AM	1	26	36	0	0	0	0	0	0	0	0	0	0	0	0	0	6	107	11	2	0	0	0	0	0	0
7:10 AM	3	27	42	0	0	0	0	0	0	0	0	0	0	0	0	0	6	74	6	0	0	0	0	0	0	0
7:15 AM	1	36	48	0	0	0	0	0	0	0	0	0	0	0	0	0	7	76	4	1	0	0	0	0	0	0
7:20 AM	5	41	37	0	0	0	0	0	0	0	0	0	0	0	0	0	6	97	3	2	0	0	0	0	0	0
7:25 AM	3	34	68	0	0	0	0	0	0	0	0	0	0	0	0	0	7	68	10	1	0	0	0	0	0	0
7:30 AM	2	44	81	0	0	0	0	0	0	0	0	0	0	0	0	0	10	68	7	0	0	0	0	0	0	0
7:35 AM	1	47	65	0	0	0	0	0	0	0	0	0	0	0	0	0	7	79	5	1	0	0	0	0	0	0
7:40 AM	1	42	85	0	0	0	0	0	0	0	0	0	0	0	0	0	7	65	5	1	0	0	0	0	0	0
7:45 AM	2	48	84	0	0	0	0	0	0	0	0	0	0	0	0	0	3	68	10	1	0	0	0	0	0	0
7:50 AM	3	58	68	0	0	0	0	0	0	0	0	0	0	0	0	0	6	75	11	0	0	0	0	0	0	0
7:55 AM	1	42	98	0	0	0	0	0	0	0	0	0	0	0	0	0	6	67	7	1	0	0	0	0	0	0
8:00 AM	5	60	71	0	0	0	0	0	0	0	0	0	0	0	0	0	6	71	8	0	0	0	0	0	0	0
8:05 AM	0	40	67	0	0	0	0	0	0	0	0	0	0	0	0	0	3	72	5	0	0	0	0	0	0	0
8:10 AM	0	41	81	0	0	0	0	0	0	0	0	0	0	0	0	0	3	56	8	0	0	0	0	0	0	0
8:15 AM	2	58	76	0	0	0	0	0	0	0	0	0	0	0	0	0	11	89	10	0	0	0	0	0	0	0
8:20 AM	1	45	70	0	0	0	0	0	0	0	0	0	0	0	0	0	6	82	13	0	0	0	0	0	0	0
8:25 AM	2	53	78	0	0	0	0	0	0	0	0	0	0	0	0	0	5	84	4	0	0	0	0	0	0	0
8:30 AM	5	63	84	0	0	0	0	0	0	0	0	0	0	0	0	0	3	92	5	1	0	0	0	0	0	0
8:35 AM	3	42	78	0	0	0	0	0	0	0	0	0	0	0	0	0	6	83	7	1	0	0	0	0	0	0
8:40 AM	1	48	65	0	0	0	0	0	0	0	0	0	0	0	0	0	4	89	2	1	0	0	0	0	0	0
8:45 AM	1	54	57	0	0	0	0	0	0	0	0	0	0	0	0	0	1	73	6	1	0	0	0	0	0	0
8:50 AM	4	52	52	0	0	0	0	0	0	0	0	0	0	0	0	0	5	99	9	0	0	0	0	0	0	0
8:55 AM	1	48	56	0	0	0	0	0	0	0	0	0	0	0	0	0	4	81	7	1	0	0	0	0	0	0
9:00 AM	5	39	38	0	0	0	0	0	0	0	0	0	0	0	0	0	4	105	6	0	0	0	0	0	0	0
9:05 AM	4	34	40	0	0	0	0	0	0	0	0	0	0	0	0	0	9	83	7	0	0	0	0	0	0	0
9:10 AM	4	34	47	0	0	0	0	0	0	0	0	0	0	0	0	0	9	90	1	1	0	0	0	0	0	0
9:15 AM	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0

Other Vehicles

	Northbound SW 4th Ave					Southbound SW 4th AVe					Eastbound SW Broadway					Westbound SW Broadway					Northeastbound SW Caruthers				
Start Time	Hard Left	Left	Thru	Right	U-Turn	Left	Thru	Bear Right	Right	U-Turn	Left	Thru	Right	Hard Right	U-Turn	Left	Bear Left	Thru	Right	Right on Re	U-Turn	Hard Left	Bear Left	Bear Right	Hard Right	U-Turn
6:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0
6:05 AM	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
6:10 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
6:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0
6:20 AM	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	0	0	0	0	0	0	0
6:25 AM	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0
6:30 AM	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0
6:35 AM	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0
6:40 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
6:45 AM	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
6:50 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0
6:55 AM	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0
7:00 AM	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
7:05 AM	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
7:10 AM	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
7:15 AM	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0
7:20 AM	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:25 AM	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0

7:30 AM	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0
7:35 AM	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	0	0	0	0	0	0
7:40 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
7:45 AM	0	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
7:50 AM	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
7:55 AM	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
8:05 AM	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	0	0	0	0	0	0
8:10 AM	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	0	0	0	0	0
8:15 AM	0	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0
8:20 AM	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	1	0	0	0	0	0	0	0
8:25 AM	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	1	0	0	0	0	0	0	0
8:30 AM	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
8:35 AM	1	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0
8:40 AM	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0
8:45 AM	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	2	0	0	0	0	0	0	0
8:50 AM	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0
8:55 AM	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0
9:00 AM	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	0	0	0	0	0	0	0	0
9:05 AM	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0
9:10 AM	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Bicycles on Road

	Northbound					Southbound					Eastbound					Westbound					Northeastbound				
	SW 4th Ave					SW 4th AVe					SW Broadway					SW Broadway					SW Caruthers				
Start Time	Hard Left	Left	Thru	Right	U-Turn	Left	Thru	Bear Right	Right	U-Turn	Left	Thru	Right	Hard Right	U-Turn	Left	Bear Left	Thru	Right	Right on Re	U-Turn	Hard Left	Bear Left	Bear Right	Hard Right	U-Turn
6:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:05 AM	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:10 AM	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:20 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:25 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:30 AM	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:35 AM	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
6:40 AM	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:45 AM	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:50 AM	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:55 AM	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:00 AM	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:05 AM	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:10 AM	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:20 AM	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:25 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:35 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:40 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:50 AM	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
7:55 AM	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:05 AM	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:10 AM	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:20 AM	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:25 AM	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:35 AM	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:40 AM	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:50 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:55 AM	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:00 AM	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:05 AM	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:10 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

All Pedestrians

	Northbound		Southbound		Eastbound		Westbound		Northeastbound	
	SW 4th Ave		SW 4th AVe		SW Broadway		SW Broadway		SW Caruthers	
Start Time	Peds CCW	Peds CW	Peds CCW	Peds CW	Peds CCW	Peds CW	Peds CCW	Peds CW	Peds CCW	Peds CW
6:00 AM	0	0	0	1	0	0	0	1	0	2
6:05 AM	0	0	0	0	0	0	0	0	2	0
6:10 AM	0	0	0	0	0	0	0	0	0	0
6:15 AM	0	0	0	0	0	0	0	0	0	1
6:20 AM	0	0	0	0	0	0	0	0	0	0

6:25 AM	0	0	0	0	0	0	0	0	1	0
6:30 AM	0	0	0	0	0	0	0	0	0	0
6:35 AM	1	0	0	0	0	0	0	0	1	1
6:40 AM	1	0	0	0	0	0	0	0	1	2
6:45 AM	0	0	0	0	0	0	0	0	1	0
6:50 AM	0	0	0	0	0	0	0	0	0	1
6:55 AM	0	0	0	0	0	0	0	0	1	2
7:00 AM	0	0	0	0	0	0	0	0	0	2
7:05 AM	2	0	0	0	0	0	0	0	2	1
7:10 AM	0	0	0	0	0	0	0	0	4	1
7:15 AM	1	0	0	0	0	0	0	0	0	2
7:20 AM	0	0	0	0	0	0	0	0	2	1
7:25 AM	0	0	0	0	0	0	0	0	1	1
7:30 AM	2	0	0	0	0	0	0	0	3	0
7:35 AM	2	1	0	0	0	0	0	0	1	2
7:40 AM	0	0	0	0	0	0	0	0	2	2
7:45 AM	0	1	0	0	0	0	0	0	3	4
7:50 AM	2	0	0	0	0	0	0	0	1	1
7:55 AM	1	0	0	0	0	0	0	0	2	5
8:00 AM	1	0	0	0	0	0	0	0	0	1
8:05 AM	0	0	0	0	0	0	0	0	0	2
8:10 AM	1	1	0	0	0	0	0	0	1	5
8:15 AM	4	0	0	0	0	0	0	0	6	1
8:20 AM	0	3	0	0	0	0	0	0	1	5
8:25 AM	0	1	0	0	0	0	0	0	1	6
8:30 AM	0	1	0	0	0	0	0	0	0	2
8:35 AM	0	1	0	0	0	0	0	0	0	0
8:40 AM	1	0	0	0	0	0	0	0	1	3
8:45 AM	0	0	0	0	0	0	0	0	0	2
8:50 AM	2	1	1	0	0	0	0	0	5	1
8:55 AM	2	1	0	0	0	0	0	0	2	1
9:00 AM	0	1	0	0	0	0	0	0	0	0
9:05 AM	1	0	0	0	0	0	0	0	2	1
9:10 AM	1	2	0	0	0	0	0	0	1	3
9:15 AM	0	0	0	0	0	0	0	0	0	0

Study Name	42 SW 4th Ave at SW Caruthers-Broadway
Start Date	10/24/2018
Start Time	6:00 AM
Site Code	
Location	45.505828 -122.682

Lights

	Northbound					Southbound					Eastbound					Westbound						Northeastbound				
	SW 4th Ave					SW 4th Ave					SW Broadway					SW Broadway						SW Caruthers				
Start Time	Hard Left	Left	Thru	Right	U-Turn	Left	Thru	Bear Right	Right	U-Turn	Left	Thru	Right	Hard Right	U-Turn	Left	Bear Left	Thru	Right	Right on Re	U-Turn	Hard Left	Bear Left	Bear Right	Hard Right	U-Turn
6:00 AM		1	2	7	0	0	0	0	0	0	0	0	0	0	0	0	0	11	55	3	0	0	0	0	0	0
6:05 AM		1	5	7	0	0	0	0	0	0	0	0	0	0	0	0	0	10	57	3	1	0	0	0	0	0	0
6:10 AM		1	9	7	0	0	0	0	0	0	0	0	0	0	0	0	0	8	61	3	2	0	0	0	0	0	0
6:15 AM		0	10	4	0	0	0	0	0	0	0	0	0	0	0	0	0	6	93	5	2	0	0	0	0	0	0
6:20 AM		1	15	11	0	0	0	0	0	0	0	0	0	0	0	0	0	13	85	7	0	0	0	0	0	0	0
6:25 AM		2	11	10	0	0	0	0	0	0	0	0	0	0	0	0	0	13	90	3	0	0	0	0	0	0	0
6:30 AM		1	16	21	0	0	0	0	0	0	0	0	0	0	0	0	0	8	85	5	4	0	0	0	0	0	0
6:35 AM		2	13	17	0	0	0	0	0	0	0	0	0	0	0	0	0	12	104	5	0	0	0	0	0	0	0
6:40 AM		2	21	28	0	0	0	0	0	0	0	0	0	0	0	0	0	14	98	4	0	0	0	0	0	0	0
6:45 AM		0	19	29	0	0	0	0	0	0	0	0	0	0	0	0	0	9	77	0	1	0	0	0	0	0	0
6:50 AM		1	21	18	0	0	0	0	0	0	0	0	0	0	0	0	0	8	99	2	1	0	0	0	0	0	0
6:55 AM		2	28	39	0	0	0	0	0	0	0	0	0	0	0	0	0	7	79	4	1	0	0	0	0	0	0
7:00 AM		1	31	35	0	0	0	0	0	0	0	0	0	0	0	0	0	7	100	4	1	0	0	0	0	0	0
7:05 AM		2	25	27	0	0	0	0	0	0	0	0	0	0	0	0	0	6	107	7	1	0	0	0	0	0	0
7:10 AM		0	25	59	0	0	0	0	0	0	0	0	0	0	0	0	0	3	81	4	1	0	0	0	0	0	0
7:15 AM		2	43	30	0	0	0	0	0	0	0	0	0	0	0	0	0	5	84	6	0	0	0	0	0	0	0
7:20 AM		4	23	46	0	0	0	0	0	0	0	0	0	0	0	0	0	8	86	5	1	0	0	0	0	0	0
7:25 AM		3	41	73	0	0	0	0	0	0	0	0	0	0	0	0	0	6	82	6	2	0	0	0	0	0	0
7:30 AM		2	45	71	0	0	0	0	0	0	0	0	0	0	0	0	0	6	71	11	1	0	0	0	0	0	0
7:35 AM		0	49	62	0	0	0	0	0	0	0	0	0	0	0	0	0	2	57	3	2	0	0	0	0	0	0
7:40 AM		0	39	99	0	0	0	0	0	0	0	0	0	0	0	0	0	4	60	6	0	0	0	0	0	0	0
7:45 AM		0	63	76	0	0	0	0	0	0	0	0	0	0	0	0	0	3	85	5	1	0	0	0	0	0	0
7:50 AM		0	39	64	0	0	0	0	0	0	0	0	0	0	0	0	0	3	70	0	0	0	0	0	0	0	0
7:55 AM		2	38	98	0	0	0	0	0	0	0	0	0	0	0	0	0	9	68	2	1	0	0	0	0	0	0
8:00 AM		2	49	86	0	0	0	0	0	0	0	0	0	0	0	0	0	9	85	4	0	0	0	0	0	0	0
8:05 AM		1	38	56	0	0	0	0	0	0	0	0	0	0	0	0	0	9	82	10	0	0	0	0	0	0	0
8:10 AM		1	41	87	0	0	0	0	0	0	0	0	0	0	0	0	0	7	49	3	0	0	0	0	0	0	0
8:15 AM		3	75	68	0	0	0	0	0	0	0	0	0	0	0	0	0	6	74	13	1	0	0	0	0	0	0
8:20 AM		1	46	69	0	0	0	0	0	0	0	0	0	0	0	0	0	6	77	6	1	0	0	0	0	0	0
8:25 AM		1	44	81	0	0	0	0	0	0	0	0	0	0	0	0	0	12	76	3	1	0	0	0	0	0	0
8:30 AM		3	65	73	0	0	0	0	0	0	0	0	0	0	0	0	0	8	93	9	0	0	0	0	0	0	0
8:35 AM		1	47	59	0	0	0	0	0	0	0	0	0	0	0	0	0	8	100	12	0	0	0	0	0	0	0
8:40 AM		4	52	80	0	0	0	0	0	0	0	0	0	0	0	0	0	3	76	8	0	0	0	0	0	0	0
8:45 AM		3	61	85	0	0	0	0	0	0	0	0	0	0	0	0	0	5	81	11	1	0	0	0	0	0	0
8:50 AM		3	47	60	0	0	0	0	0	0	0	0	0	0	0	0	0	7	98	7	0	0	0	0	0	0	0
8:55 AM		2	62	105	0	0	0	0	0	0	0	0	0	0	0	0	0	5	74	3	0	0	0	0	0	0	0

Other Vehicles

	Northbound					Southbound					Eastbound					Westbound						Northeastbound				
	SW 4th Ave					SW 4th Ave					SW Broadway					SW Broadway						SW Caruthers				
Start Time	Hard Left	Left	Thru	Right	U-Turn	Left	Thru	Bear Right	Right	U-Turn	Left	Thru	Right	Hard Right	U-Turn	Left	Bear Left	Thru	Right	Right on Re	U-Turn	Hard Left	Bear Left	Bear Right	Hard Right	U-Turn
6:00 AM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
6:05 AM		0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0
6:10 AM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0
6:15 AM		0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	1	0	0	0	0	0	0
6:20 AM		0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	0	1	0	0	0	0	0
6:25 AM		0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
6:30 AM		0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0
6:35 AM		0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	0	0	0	0	0	0	0
6:40 AM		0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
6:45 AM		0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
6:50 AM		0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0
6:55 AM		0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
7:00 AM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:05 AM		0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	0	0	0	0	0	0	0
7:10 AM		0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0
7:15 AM		0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0
7:20 AM		0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
7:25 AM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	0	0	0	0	0	0	0
7:30 AM		0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
7:35 AM		0	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:40 AM		0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	0	0	0	0	0
7:45 AM		0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
7:50 AM		0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	0	0	0	0
7:55 AM		0	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	0	0	0	0	0	0	0
8:00 AM		0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0
8:05 AM		0	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	0	0	0	0
8:10 AM		0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	0	0	0	0
8:15 AM		0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0

8:20 AM	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0
8:25 AM	0	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	0	0	0	0	0	0	0
8:30 AM	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
8:35 AM	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
8:40 AM	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0
8:45 AM	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0
8:50 AM	0	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0
8:55 AM	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0

Bicycles on Road

	Northbound					Southbound					Eastbound					Westbound					Northeastbound				
	SW 4th Ave					SW 4th Ave					SW Broadway					SW Broadway					SW Caruthers				
Start Time	Hard Left	Left	Thru	Right	U-Turn	Left	Thru	Bear Right	Right	U-Turn	Left	Thru	Right	Hard Right	U-Turn	Left	Bear Left	Thru	Right	Right on Re	U-Turn	Hard Left	Bear Left	Bear Right	Hard Right	U-Turn
6:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:05 AM	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:10 AM	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:20 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:25 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:35 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:40 AM	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:45 AM	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:50 AM	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:55 AM	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:05 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:10 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:20 AM	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:25 AM	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:35 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:40 AM	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:50 AM	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:55 AM	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:05 AM	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:10 AM	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:20 AM	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:25 AM	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:35 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:40 AM	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:50 AM	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:55 AM	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

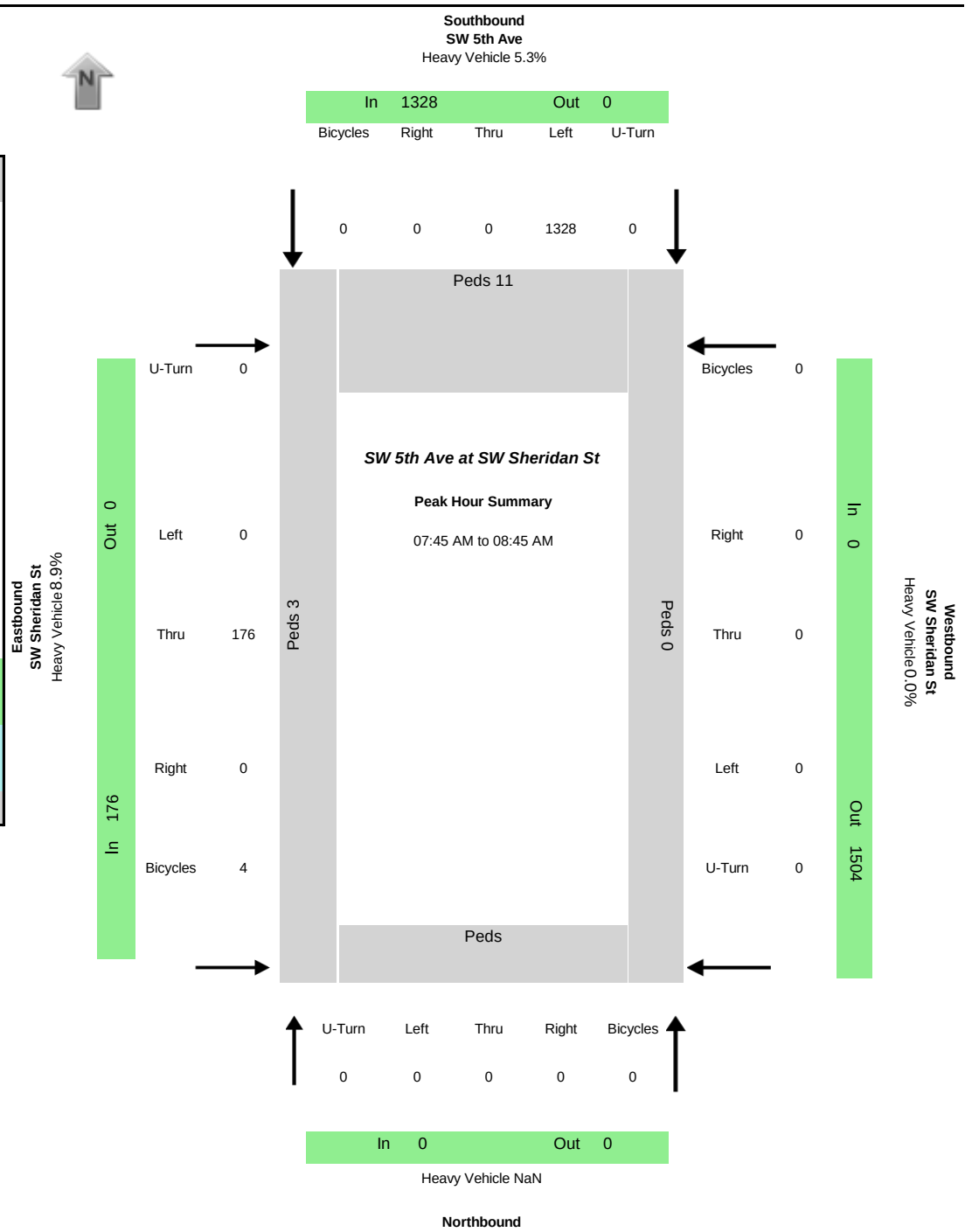
All Pedestrians

	Northbound		Southbound		Eastbound		Westbound		Northeastbound	
	SW 4th Ave		SW 4th Ave		SW Broadway		SW Broadway		SW Caruthers	
Start Time	Peds CCW	Peds CW	Peds CCW	Peds CW	Peds CCW	Peds CW	Peds CCW	Peds CW	Peds CCW	Peds CW
6:00 AM	0	0	0	1	0	0	0	1	1	1
6:05 AM	0	0	0	0	0	0	0	0	2	1
6:10 AM	0	0	0	0	0	0	0	0	2	1
6:15 AM	0	0	0	0	0	0	0	0	2	0
6:20 AM	1	0	0	0	0	0	0	0	1	0
6:25 AM	0	0	0	0	0	0	0	0	3	0
6:30 AM	0	0	0	0	0	0	0	0	1	0
6:35 AM	1	0	0	0	0	0	0	0	0	0
6:40 AM	0	1	0	0	0	0	0	0	0	3
6:45 AM	0	0	0	0	0	0	0	0	0	2
6:50 AM	1	0	0	0	0	0	0	0	2	1
6:55 AM	1	0	0	0	0	0	0	0	0	0
7:00 AM	0	0	0	0	0	0	0	0	0	2
7:05 AM	0	0	0	0	0	0	0	0	1	0
7:10 AM	0	0	0	1	0	0	0	1	1	0
7:15 AM	1	1	0	0	0	0	0	0	1	1
7:20 AM	0	0	0	0	0	0	0	0	1	1
7:25 AM	0	1	0	0	0	0	0	0	1	2
7:30 AM	2	0	0	0	0	0	0	0	3	1
7:35 AM	0	2	0	0	0	0	0	0	0	6
7:40 AM	2	1	0	0	0	0	0	0	2	4
7:45 AM	0	1	0	0	0	0	0	0	2	1
7:50 AM	1	1	0	0	0	0	0	0	1	2
7:55 AM	0	0	0	0	0	0	0	0	0	3
8:00 AM	0	0	0	0	0	0	0	0	0	2
8:05 AM	0	0	0	0	0	0	0	0	3	0
8:10 AM	0	0	0	0	0	0	0	0	0	1
8:15 AM	0	0	0	0	0	0	0	0	2	0
8:20 AM	0	0	0	0	0	0	0	0	0	2

8:25 AM	0	0	0	0	0	0	0	0	2	2
8:30 AM	0	0	0	0	0	0	0	0	1	0
8:35 AM	0	0	0	0	0	0	0	0	0	3
8:40 AM	0	0	0	0	0	0	0	0	3	3
8:45 AM	0	0	0	0	0	0	0	0	0	3
8:50 AM	0	0	0	0	0	0	0	0	1	4
8:55 AM	1	1	0	0	0	0	0	0	2	0

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW 5th Ave*
E/W street	*SW Sheridan St*
City, State	Portland OR
Site Notes	
Location	45.505227 - -122.683181
Start Date	Tuesday, October 23, 2018
Start Time	07:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:45:00 AM
Peak 15 Min Start	07:55:00 AM
PHF (15-Min Int)	0.94



Peak-Hour Volumes (PHV)

Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
0	0	0	0	1328	0	0	0	0	176	0	0	0	0	0	0	0	1328	176	0	0	0	0	1504
Percent Heavy Vehicles																							
0.0%	0.0%	0.0%	0.0%	5.3%	0.0%	0.0%	0.0%	0.0%	9.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	#DIV/0!	5.3%	9.1%	0.0%	#DIV/0!	0.0%	#DIV/0!	5.8%

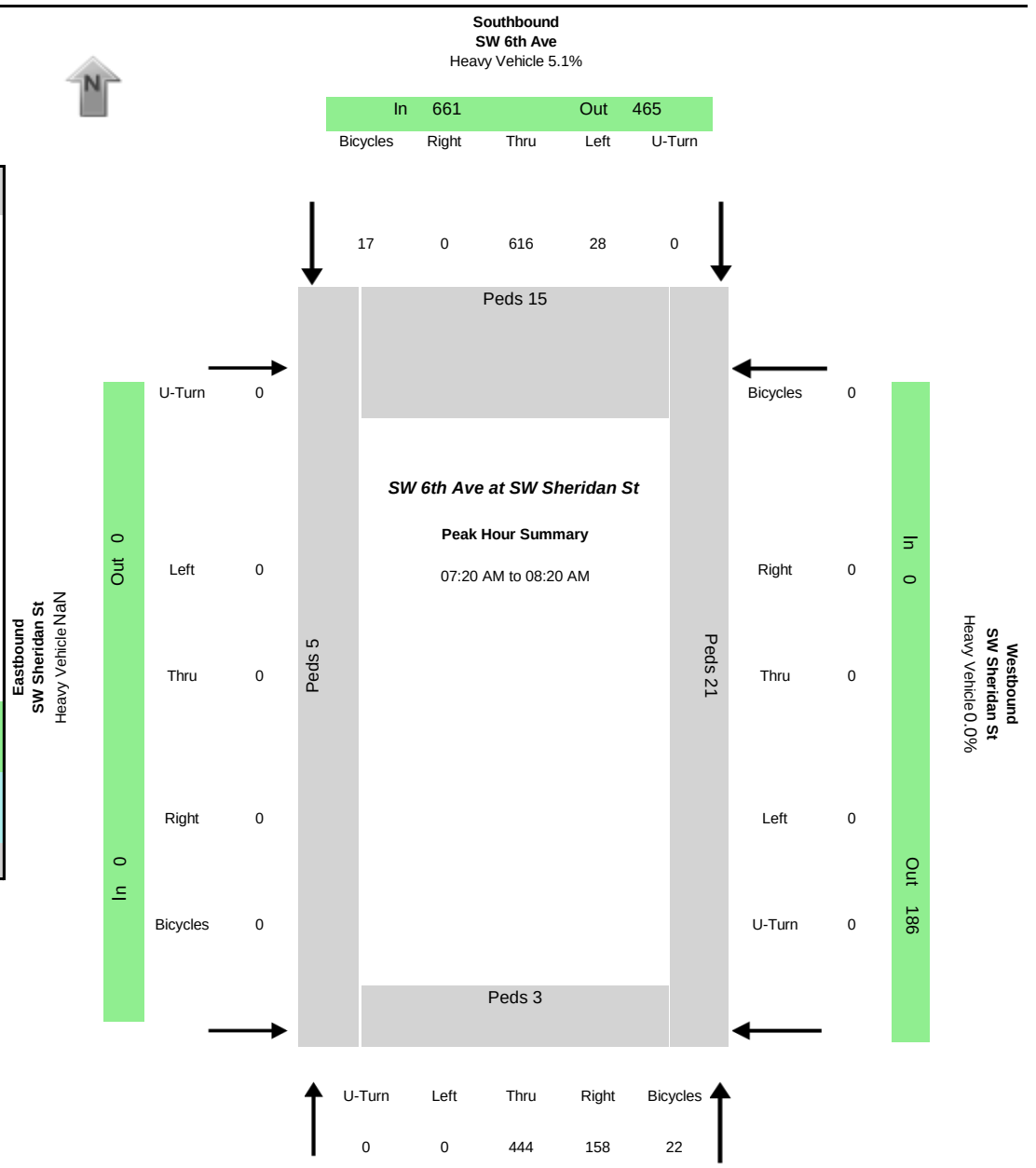
PHV- Bicycles																	PHV - Pedestrians				
Northbound				Southbound				Eastbound				Westbound					in Crosswalk				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**	NB	SB	EB	WB	**Sum**
				0		0	0	0	4		0		0	0	0	4		11	3	0	14

All Vehicle Volumes

	Northbound				Southbound				Eastbound				Westbound					
					SW 5th Ave				SW Sheridan St				SW Sheridan St				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
07:00:00 AM					74		0	0	0	9		0		0	0	0		
07:05:00 AM					53		0	0	0	5		0		0	0	0		
07:10:00 AM					81		0	0	0	7		0		0	0	0	229	
07:15:00 AM					71		0	0	0	5		0		0	0	0	222	
07:20:00 AM					60		0	0	0	12		0		0	0	0	236	
07:25:00 AM					83		0	0	0	10		0		0	0	0	241	
07:30:00 AM					95		0	0	0	18		0		0	0	0	278	
07:35:00 AM					85		0	0	0	16		0		0	0	0	307	
07:40:00 AM					97		0	0	0	17		0		0	0	0	328	
07:45:00 AM					92		0	0	0	21		0		0	0	0	328	
07:50:00 AM					104		0	0	0	21		0		0	0	0	352	
07:55:00 AM					110		0	0	0	23		0		0	0	0	371	1169
08:00:00 AM					124		0	0	0	12		0		0	0	0	394	1222
08:05:00 AM					120		0	0	0	11		0		0	0	0	400	1295
08:10:00 AM					119		0	0	0	13		0		0	0	0	399	1339
08:15:00 AM					102		0	0	0	10		0		0	0	0	375	1375
08:20:00 AM					100		0	0	0	16		0		0	0	0	360	1419
08:25:00 AM					121		0	0	0	17		0		0	0	0	366	1464
08:30:00 AM					112		0	0	0	8		0		0	0	0	374	1471
08:35:00 AM					102		0	0	0	14		0		0	0	0	374	1486
08:40:00 AM					122		0	0	0	10		0		0	0	0	368	1504
08:45:00 AM					103		0	0	0	9		0		0	0	0	360	1503
08:50:00 AM					93		0	0	0	17		0		0	0	0	354	1488
08:55:00 AM					97		0	0	0	15		0		0	0	0	334	1467

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW 6th Ave*
E/W street	*SW Sheridan St*
City, State	Portland OR
Site Notes	
Location	45.505184 - -122.684306
Start Date	Tuesday, October 23, 2018
Start Time	07:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:20:00 AM
Peak 15 Min Start	07:45:00 AM
PHF (15-Min Int)	0.86



Peak-Hour Volumes (PHV)

Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
0	444	158	0	28	616	0	0	0	0	0	0	0	0	0	0	602	644	0	0	616	444	0	186
Percent Heavy Vehicles																							
0.0%	6.3%	7.0%	0.0%	3.6%	5.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	6.5%	5.3%	#DIV/0!	0.0%	5.4%	6.3%	#DIV/0!	6.5%

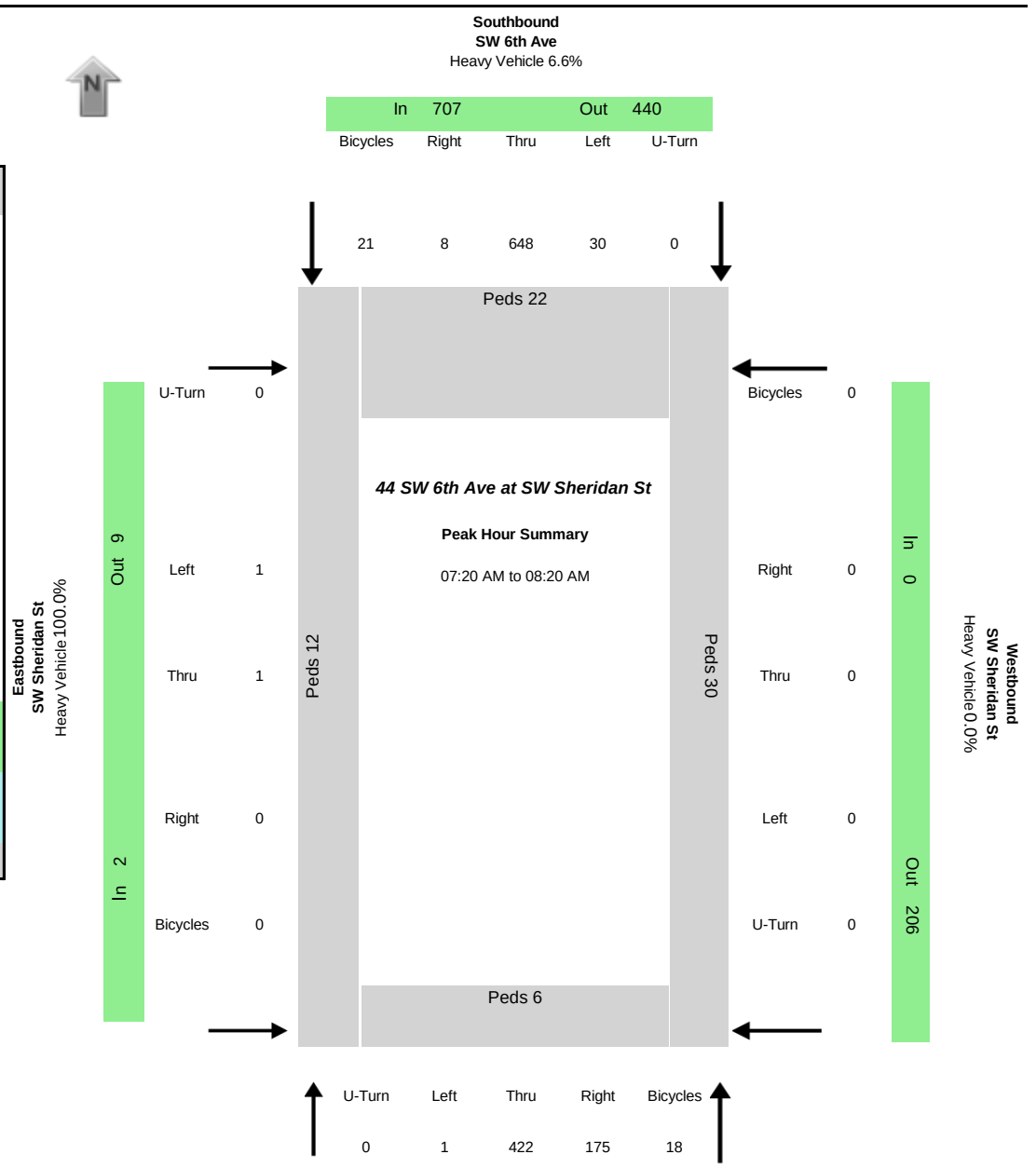
PHV- Bicycles																	PHV - Pedestrians				
Northbound				Southbound				Eastbound				Westbound					in Crosswalk				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**	NB	SB	EB	WB	**Sum**
0	21	1	0	0	17	0	0	0	0	0	0	0	0	0	0	39	3	15	5	21	44

All Vehicle Volumes

	Northbound				Southbound				Eastbound				Westbound					
	SW 6th Ave				SW 6th Ave				SW Sheridan St				SW Sheridan St				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
07:00:00 AM	0	31	7	0	2	44	0	0	0	0	0	0	0	0	0	0		
07:05:00 AM	0	21	3	0	3	45	0	0	0	0	0	0	0	0	0	0		
07:10:00 AM	0	24	7	0	2	40	0	0	0	0	0	0	0	0	0	0	229	
07:15:00 AM	0	33	6	0	0	47	0	0	0	0	0	0	0	0	0	0	231	
07:20:00 AM	0	31	9	0	0	48	0	0	0	0	0	0	0	0	0	0	247	
07:25:00 AM	0	31	7	0	4	58	0	0	0	0	0	0	0	0	0	0	274	
07:30:00 AM	0	54	18	0	1	53	0	0	0	0	0	0	0	0	0	0	314	
07:35:00 AM	0	46	12	0	1	33	0	0	0	0	0	0	0	0	0	0	318	
07:40:00 AM	0	53	16	0	2	43	0	0	0	0	0	0	0	0	0	0	332	
07:45:00 AM	0	44	25	0	1	57	0	0	0	0	0	0	0	0	0	0	333	
07:50:00 AM	0	36	12	0	3	60	0	0	0	0	0	0	0	0	0	0	352	
07:55:00 AM	0	39	21	0	3	61	0	0	0	0	0	0	0	0	0	0	362	1197
08:00:00 AM	0	37	10	0	3	49	0	0	0	0	0	0	0	0	0	0	334	1212
08:05:00 AM	0	32	9	0	1	50	0	0	0	0	0	0	0	0	0	0	315	1232
08:10:00 AM	0	19	7	0	7	51	0	0	0	0	0	0	0	0	0	0	275	1243
08:15:00 AM	0	22	12	0	2	53	0	0	0	0	0	0	0	0	0	0	265	1246
08:20:00 AM	0	22	8	0	2	47	0	0	0	0	0	0	0	0	0	0	252	1237
08:25:00 AM	0	21	12	0	7	62	0	0	0	0	0	0	0	0	0	0	270	1239
08:30:00 AM	0	36	8	0	2	47	0	0	0	0	0	0	0	0	0	0	274	1206
08:35:00 AM	0	29	9	0	3	34	2	0	0	0	0	0	0	0	0	0	272	1191
08:40:00 AM	0	36	5	0	4	51	1	0	0	0	0	0	0	0	0	0	267	1174
08:45:00 AM	0	23	10	0	3	45	0	0	0	0	0	0	0	0	0	0	255	1128
08:50:00 AM	0	19	8	0	6	48	0	0	0	0	0	0	0	0	0	0	259	1098
08:55:00 AM	0	17	12	0	6	42	2	0	0	0	0	0	0	0	0	0	241	1053

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW 6th Ave*
E/W street	*SW Sheridan St*
City, State	Portland OR
Site Notes	
Location	45.505184 - -122.684306
Start Date	Wednesday, October 24, 2018
Start Time	07:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:20:00 AM
Peak 15 Min Start	07:35:00 AM
PHF (15-Min Int)	0.84



Peak-Hour Volumes (PHV)

Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
1	422	175	0	30	648	8	0	1	1	0	0	0	0	0	0	598	686	2	0	648	423	9	206

Percent Heavy Vehicles

100.0%	8.3%	8.6%	0.0%	10.0%	6.8%	0.0%	0.0%	100.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	8.5%	6.9%	100.0%	0.0%	6.8%	8.5%	11.1%	9.2%

PHV- Bicycles

Northbound				Southbound				Eastbound				Westbound				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**
0	17	1	0	0	20	1	0	0	0	0	0	0	0	0	0	39

PHV - Pedestrians

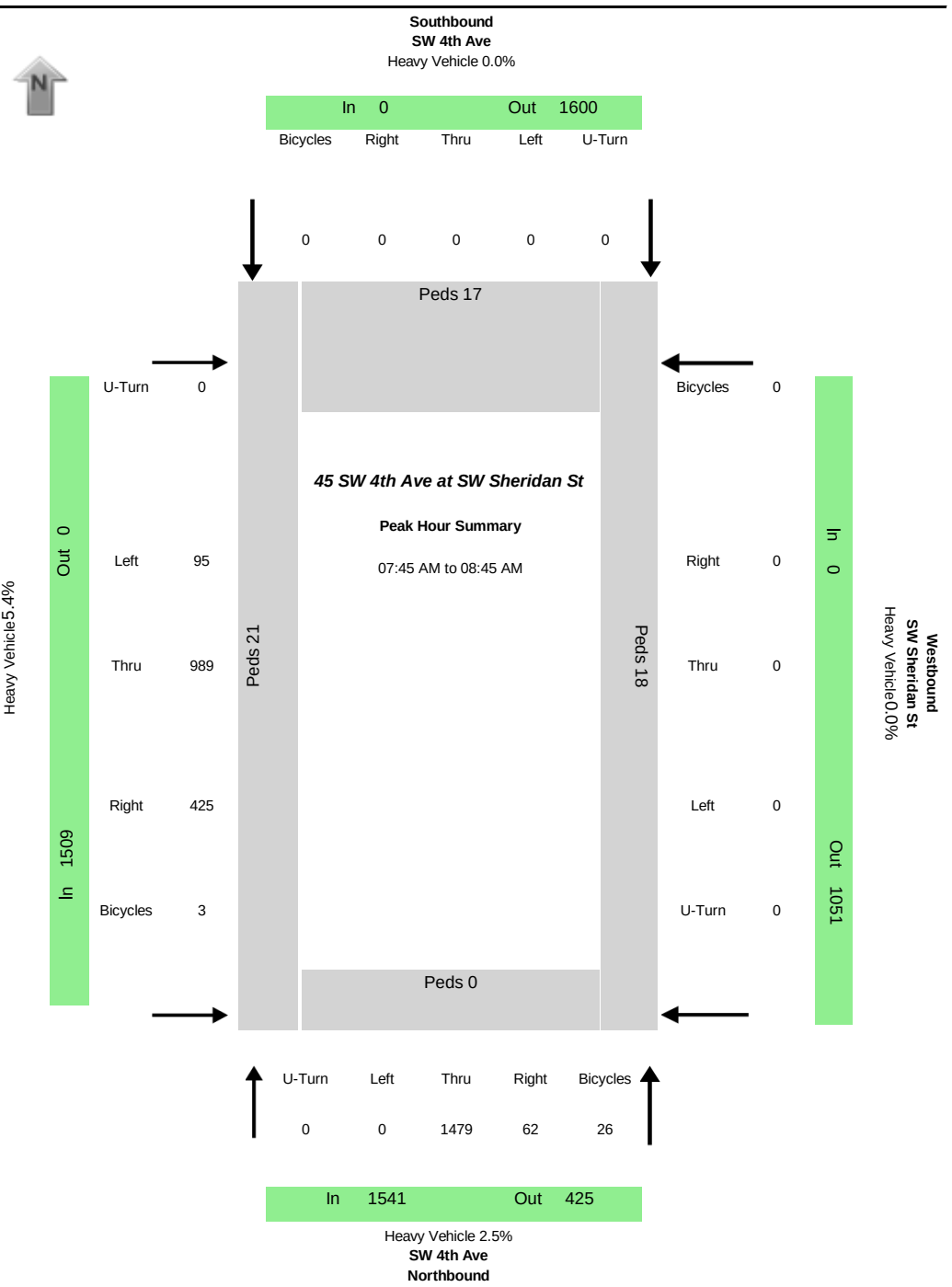
in Crosswalk				
NB	SB	EB	WB	**Sum**
6	22	12	30	70

All Vehicle Volumes

	Northbound				Southbound				Eastbound				Westbound					
	SW 6th Ave				SW 6th Ave				SW Sheridan St				SW Sheridan St				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
07:00:00 AM	0	21	11	0	2	40	0	0	0	0	0	0	0	0	0	0		
07:05:00 AM	0	19	6	0	2	40	0	0	0	0	0	0	0	0	0	0		
07:10:00 AM	0	27	3	0	1	52	1	0	0	0	0	0	0	0	0	0	225	
07:15:00 AM	0	29	10	0	1	48	2	0	0	1	0	0	0	0	0	0	242	
07:20:00 AM	0	22	8	0	3	64	0	0	0	1	0	0	0	0	0	0	273	
07:25:00 AM	1	30	12	0	1	58	1	0	0	0	0	0	0	0	0	0	292	
07:30:00 AM	0	48	23	0	1	49	1	0	0	0	0	0	0	0	0	0	323	
07:35:00 AM	0	52	11	0	1	51	0	0	0	0	0	0	0	0	0	0	340	
07:40:00 AM	0	48	28	0	3	59	0	0	0	0	0	0	0	0	0	0	375	
07:45:00 AM	0	45	18	0	2	64	0	0	0	0	0	0	0	0	0	0	382	
07:50:00 AM	0	31	10	0	3	51	0	0	0	0	0	0	0	0	0	0	362	
07:55:00 AM	0	38	14	0	1	63	1	0	1	0	0	0	0	0	0	0	342	1234
08:00:00 AM	0	29	13	0	1	52	1	0	0	0	0	0	0	0	0	0	309	1256
08:05:00 AM	0	21	8	0	8	37	2	0	0	0	0	0	0	0	0	0	290	1265
08:10:00 AM	0	31	18	0	3	48	1	0	0	0	0	0	0	0	0	0	273	1282
08:15:00 AM	0	27	12	0	3	52	1	0	0	0	0	0	0	0	0	0	272	1286
08:20:00 AM	0	21	10	0	2	49	2	0	0	0	0	0	0	0	0	0	280	1272
08:25:00 AM	0	33	7	0	2	58	1	0	0	0	0	0	0	0	0	0	280	1270
08:30:00 AM	0	28	7	0	4	54	2	0	0	0	0	0	0	0	0	0	280	1243
08:35:00 AM	0	18	13	0	3	47	2	0	0	0	0	0	0	0	0	0	279	1211
08:40:00 AM	0	22	4	0	2	53	0	0	0	0	0	0	0	0	0	0	259	1154
08:45:00 AM	0	21	9	0	5	55	1	0	0	0	0	0	0	0	0	0	255	1116
08:50:00 AM	0	26	8	0	4	44	1	0	0	0	0	0	0	0	0	0	255	1104
08:55:00 AM	1	30	8	0	8	41	2	0	0	0	0	0	0	0	0	0	264	1076

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW 4th Ave*
E/W street	*SW Sheridan St*
City, State	Portland OR
Site Notes	
Location	45.505124 - -122.68206
Start Date	Tuesday, October 23, 2018
Start Time	06:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:45:00 AM
Peak 15 Min Start	08:25:00 AM
PHF (15-Min Int)	0.96



Peak-Hour Volumes (PHV)

Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
0	1479	62	0	0	0	0	0	95	989	425	0	0	0	0	0	1541	0	1509	0	425	1574	0	1051

Percent Heavy Vehicles

0.0%	2.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.2%	4.6%	7.8%	0.0%	0.0%	0.0%	0.0%	0.0%	2.5%	0.0%	5.4%	0.0%	7.8%	2.7%	#DIV/0!	4.3%

PHV- Bicycles

Northbound				Southbound				Eastbound				Westbound				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**
0	25	1	0	0	0	0	0	1	0	2	0	0	0	0	0	29

PHV - Pedestrians

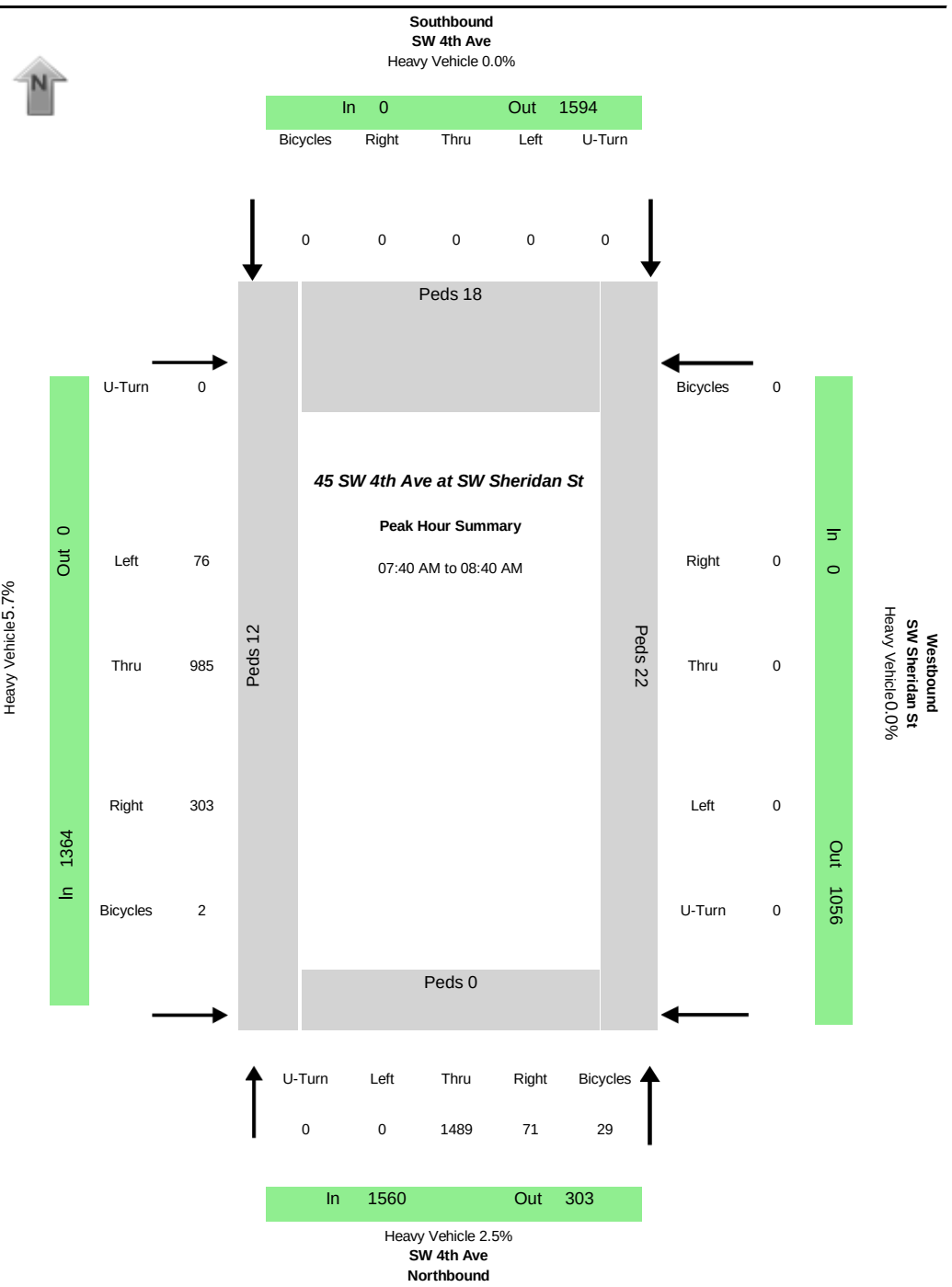
in Crosswalk				
NB	SB	EB	WB	**Sum**
0	17	21	18	56

All Vehicle Volumes

	Northbound SW 4th Ave				Southbound SW 4th Ave				Eastbound SW Sheridan St				Westbound SW Sheridan St				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
06:00:00 AM	0	13	0	0	0	0	0	0	2	40	5	0	0	0	0	0		
06:05:00 AM	0	17	0	0	0	0	0	0	1	46	6	0	0	0	0	0		
06:10:00 AM	0	18	1	0	0	0	0	0	1	70	5	0	0	0	0	0	225	
06:15:00 AM	0	10	2	0	0	0	0	0	2	44	4	0	0	0	0	0	227	
06:20:00 AM	0	27	1	0	0	0	0	0	3	49	8	0	0	0	0	0	245	
06:25:00 AM	0	31	0	0	0	0	0	0	1	53	5	0	0	0	0	0	240	
06:30:00 AM	0	21	1	0	0	0	0	0	3	46	5	0	0	0	0	0	254	
06:35:00 AM	0	36	3	0	0	0	0	0	6	66	11	0	0	0	0	0	288	
06:40:00 AM	0	44	2	0	0	0	0	0	4	60	9	0	0	0	0	0	317	
06:45:00 AM	0	57	2	0	0	0	0	0	6	76	18	0	0	0	0	0	400	
06:50:00 AM	0	50	0	0	0	0	0	0	5	69	11	0	0	0	0	0	413	
06:55:00 AM	0	67	3	0	0	0	0	0	8	73	15	0	0	0	0	0	460	1242
07:00:00 AM	0	57	2	0	0	0	0	0	4	66	12	0	0	0	0	0	442	1323
07:05:00 AM	0	67	4	0	0	0	0	0	3	51	13	0	0	0	0	0	445	1391
07:10:00 AM	0	65	2	0	0	0	0	0	6	56	14	0	0	0	0	0	422	1439
07:15:00 AM	0	83	4	0	0	0	0	0	6	63	12	0	0	0	0	0	449	1545
07:20:00 AM	0	88	5	0	0	0	0	0	4	62	10	0	0	0	0	0	480	1626
07:25:00 AM	0	106	3	0	0	0	0	0	5	56	13	0	0	0	0	0	520	1719
07:30:00 AM	0	112	0	0	0	0	0	0	5	94	22	0	0	0	0	0	585	1876
07:35:00 AM	0	118	4	0	0	0	0	0	8	79	18	0	0	0	0	0	643	1981
07:40:00 AM	0	130	3	0	0	0	0	0	3	79	23	0	0	0	0	0	698	2100
07:45:00 AM	0	116	1	0	0	0	0	0	10	87	17	0	0	0	0	0	696	2172
07:50:00 AM	0	129	4	0	0	0	0	0	5	99	22	0	0	0	0	0	728	2296
07:55:00 AM	0	146	6	0	0	0	0	0	10	79	34	0	0	0	0	0	765	2405
08:00:00 AM	0	108	6	0	0	0	0	0	7	102	35	0	0	0	0	0	792	2522
08:05:00 AM	0	108	4	0	0	0	0	0	13	86	35	0	0	0	0	0	779	2630
08:10:00 AM	0	125	5	0	0	0	0	0	5	77	45	0	0	0	0	0	761	2744
08:15:00 AM	0	121	6	0	0	0	0	0	12	72	35	0	0	0	0	0	749	2822
08:20:00 AM	0	118	6	0	0	0	0	0	7	78	34	0	0	0	0	0	746	2896
08:25:00 AM	0	136	3	0	0	0	0	0	6	77	44	0	0	0	0	0	755	2979
08:30:00 AM	0	127	9	0	0	0	0	0	9	86	33	0	0	0	0	0	773	3010
08:35:00 AM	0	125	10	0	0	0	0	0	9	70	50	0	0	0	0	0	794	3047
08:40:00 AM	0	120	2	0	0	0	0	0	2	76	41	0	0	0	0	0	769	3050
08:45:00 AM	0	93	2	0	0	0	0	0	5	78	40	0	0	0	0	0	723	3037
08:50:00 AM	0	114	4	0	0	0	0	0	5	82	30	0	0	0	0	0	694	3013
08:55:00 AM	0	94	3	0	0	0	0	0	8	65	27	0	0	0	0	0	650	2935

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW 4th Ave*
E/W street	*SW Sheridan St*
City, State	Portland OR
Site Notes	
Location	45.505124 - -122.68206
Start Date	Wednesday, October 24, 2018
Start Time	06:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:40:00 AM
Peak 15 Min Start	07:55:00 AM
PHF (15-Min Int)	0.96



Peak-Hour Volumes (PHV)

Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
0	1489	71	0	0	0	0	0	76	985	303	0	0	0	0	0	1560	0	1364	0	303	1565	0	1056
Percent Heavy Vehicles																							
0.0%	2.6%	1.4%	0.0%	0.0%	0.0%	0.0%	0.0%	6.6%	5.1%	7.6%	0.0%	0.0%	0.0%	0.0%	0.0%	2.5%	0.0%	5.7%	0.0%	7.6%	2.7%	#DIV/0!	4.8%

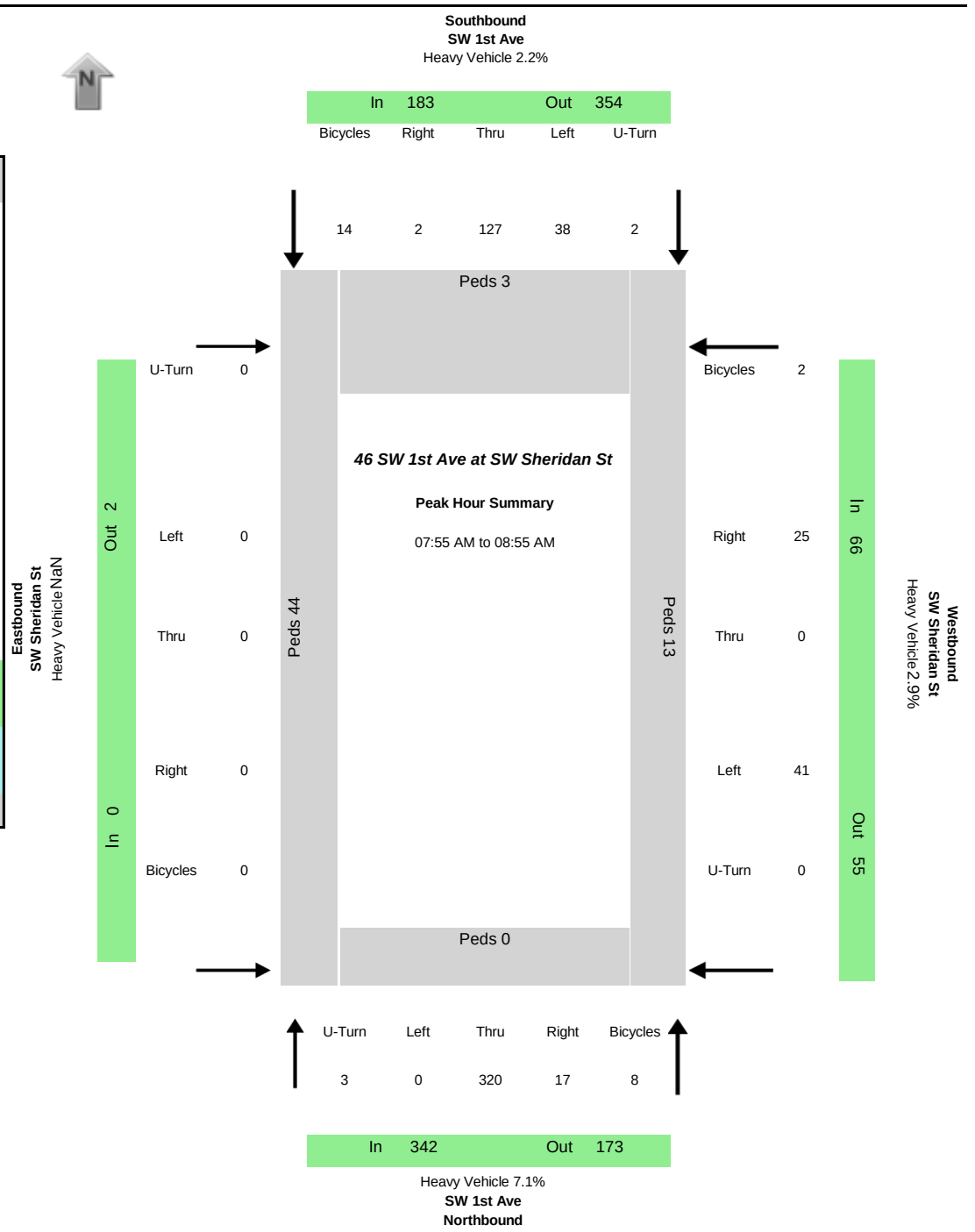
PHV- Bicycles																	PHV - Pedestrians				
Northbound				Southbound				Eastbound				Westbound					in Crosswalk				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**	NB	SB	EB	WB	**Sum**
0	28	1	0	0	0	0	0	1	0	1	0	0	0	0	0	31	0	18	12	22	52

All Vehicle Volumes

	Northbound				Southbound				Eastbound				Westbound					
	SW 4th Ave				SW 4th Ave				SW Sheridan St				SW Sheridan St				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
06:00:00 AM	0	11	0	0	0	0	0	0	3	38	8	0	0	0	0	0		
06:05:00 AM	0	12	0	0	0	0	0	0	0	43	11	0	0	0	0	0		
06:10:00 AM	0	13	1	0	0	0	0	0	2	52	9	0	0	0	0	0	203	
06:15:00 AM	0	13	1	0	0	0	0	0	4	49	4	0	0	0	0	0	214	
06:20:00 AM	0	31	1	0	0	0	0	0	1	42	8	0	0	0	0	0	231	
06:25:00 AM	0	19	0	0	0	0	0	0	1	59	10	0	0	0	0	0	243	
06:30:00 AM	0	33	2	0	0	0	0	0	7	43	3	0	0	0	0	0	260	
06:35:00 AM	0	31	0	0	0	0	0	0	4	56	11	0	0	0	0	0	279	
06:40:00 AM	0	53	0	0	0	0	0	0	4	56	10	0	0	0	0	0	313	
06:45:00 AM	0	42	5	0	0	0	0	0	4	57	20	0	0	0	0	0	353	
06:50:00 AM	0	48	4	0	0	0	0	0	6	72	5	0	0	0	0	0	386	
06:55:00 AM	0	66	4	0	0	0	0	0	1	46	16	0	0	0	0	0	396	1155
07:00:00 AM	0	58	4	0	0	0	0	0	2	64	10	0	0	0	0	0	406	1233
07:05:00 AM	0	65	1	0	0	0	0	0	4	70	8	0	0	0	0	0	419	1315
07:10:00 AM	0	91	6	0	0	0	0	0	4	49	19	0	0	0	0	0	455	1407
07:15:00 AM	0	59	3	0	0	0	0	0	6	67	12	0	0	0	0	0	464	1483
07:20:00 AM	0	76	2	0	0	0	0	0	7	57	15	0	0	0	0	0	473	1557
07:25:00 AM	0	119	5	0	0	0	0	0	4	64	15	0	0	0	0	0	511	1675
07:30:00 AM	0	107	2	0	0	0	0	0	6	72	21	0	0	0	0	0	572	1795
07:35:00 AM	0	115	3	0	0	0	0	0	7	92	9	0	0	0	0	0	641	1919
07:40:00 AM	0	134	5	0	0	0	0	0	5	85	12	0	0	0	0	0	675	2037
07:45:00 AM	0	116	7	0	0	0	0	0	10	97	21	0	0	0	0	0	718	2160
07:50:00 AM	0	109	6	0	0	0	0	0	2	99	22	0	0	0	0	0	730	2263
07:55:00 AM	0	146	3	0	0	0	0	0	6	84	23	0	0	0	0	0	751	2392
08:00:00 AM	0	121	4	0	0	0	0	0	7	95	26	0	0	0	0	0	753	2507
08:05:00 AM	0	110	4	0	0	0	0	0	4	92	35	0	0	0	0	0	760	2604
08:10:00 AM	0	130	7	0	0	0	0	0	5	79	30	0	0	0	0	0	749	2686
08:15:00 AM	0	132	4	0	0	0	0	0	8	85	33	0	0	0	0	0	758	2801
08:20:00 AM	0	128	6	0	0	0	0	0	7	61	23	0	0	0	0	0	738	2869
08:25:00 AM	0	119	8	0	0	0	0	0	9	48	25	0	0	0	0	0	696	2871
08:30:00 AM	0	123	10	0	0	0	0	0	7	79	27	0	0	0	0	0	680	2909
08:35:00 AM	0	121	7	0	0	0	0	0	6	81	26	0	0	0	0	0	696	2924
08:40:00 AM	0	124	3	0	0	0	0	0	9	61	17	0	0	0	0	0	701	2897
08:45:00 AM	0	131	7	0	0	0	0	0	4	84	26	0	0	0	0	0	707	2898
08:50:00 AM	0	116	4	0	0	0	0	0	12	87	21	0	0	0	0	0	706	2900
08:55:00 AM	0	146	4	0	0	0	0	0	12	68	30	0	0	0	0	0	752	2898

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW 1st Ave*
E/W street	*SW Sheridan St*
City, State	Portland OR
Site Notes	
Location	45.505006 - -122.678783
Start Date	Wednesday, October 24, 2018
Start Time	07:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:55:00 AM
Peak 15 Min Start	08:10:00 AM
PHF (15-Min Int)	0.86



Peak-Hour Volumes (PHV)																							
Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
0	320	17	5	38	127	2	2	0	0	0	0	41	0	25	0	342	169	0	66	173	347	2	55
Percent Heavy Vehicles																							
0.0%	5.9%	23.5%	40.0%	0.0%	3.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.4%	0.0%	4.0%	0.0%	7.3%	2.4%	#DIV/0!	3.0%	4.0%	5.8%	0.0%	7.3%

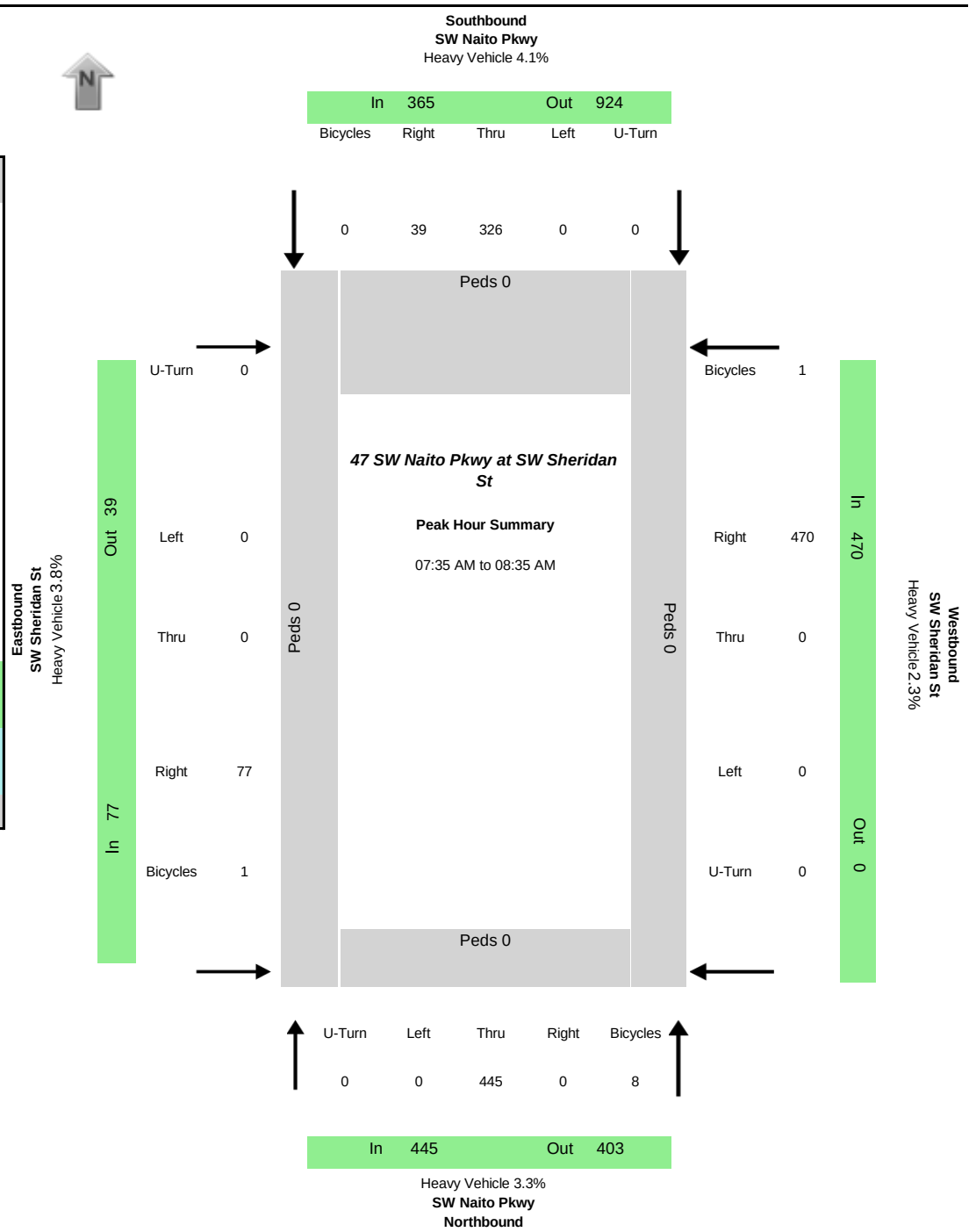
PHV- Bicycles																	PHV - Pedestrians				
Northbound				Southbound				Eastbound				Westbound					in Crosswalk				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**	NB	SB	EB	WB	**Sum**
0	7	1	0	0	14	0	0	0	0	0	0	2	0	0	0	24	0	3	44	13	60

All Vehicle Volumes

	Northbound				Southbound				Eastbound				Westbound					
	SW 1st Ave				SW 1st Ave				SW Sheridan St				SW Sheridan St				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
07:00:00 AM	0	13	0	1	3	2	0	0	0	0	0	0	0	0	2	0		
07:05:00 AM	0	6	0	0	3	5	0	0	0	0	0	0	0	0	1	0		
07:10:00 AM	0	14	2	0	5	8	0	0	0	0	0	0	2	0	1	0	68	
07:15:00 AM	0	8	3	0	3	10	0	0	0	0	0	0	2	0	0	0	73	
07:20:00 AM	0	16	4	0	2	6	0	0	0	0	0	0	3	0	1	0	90	
07:25:00 AM	0	18	1	0	2	8	0	1	0	0	0	0	0	0	0	0	88	
07:30:00 AM	0	15	1	0	3	11	0	0	0	0	0	0	3	0	2	0	97	
07:35:00 AM	0	15	1	0	4	8	0	0	0	0	0	0	2	0	0	1	96	
07:40:00 AM	0	14	0	1	5	8	0	0	0	0	0	0	1	0	0	0	95	
07:45:00 AM	0	23	2	0	4	5	0	1	0	0	0	0	0	0	0	0	95	
07:50:00 AM	0	20	0	0	7	10	0	0	0	0	0	0	4	0	1	0	106	
07:55:00 AM	0	38	1	0	3	14	0	0	0	0	0	0	3	0	5	0	141	392
08:00:00 AM	0	25	1	0	0	12	0	0	0	0	0	0	3	0	3	0	150	415
08:05:00 AM	0	19	0	1	6	9	0	0	0	0	0	0	3	0	0	0	146	438
08:10:00 AM	0	24	3	1	6	17	1	0	0	0	0	0	3	0	3	0	140	464
08:15:00 AM	0	31	3	0	5	11	0	0	0	0	0	0	5	0	2	0	153	495
08:20:00 AM	0	29	2	1	3	8	0	0	0	0	0	0	6	0	3	0	167	515
08:25:00 AM	0	21	0	0	2	11	0	0	0	0	0	0	4	0	2	0	149	525
08:30:00 AM	0	23	2	0	4	9	0	0	0	0	0	0	1	0	2	0	133	531
08:35:00 AM	0	32	0	0	2	7	0	1	0	0	0	0	4	0	1	0	128	547
08:40:00 AM	0	25	1	0	1	6	1	0	0	0	0	0	4	0	1	0	127	557
08:45:00 AM	0	26	3	1	5	15	0	1	0	0	0	0	2	0	1	0	140	576
08:50:00 AM	0	27	1	1	1	8	0	0	0	0	0	0	3	0	2	0	136	577
08:55:00 AM	0	12	1	0	2	10	0	0	0	0	0	0	2	0	0	0	124	540

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW Naito Pkwy*
E/W street	*SW Sheridan St*
City, State	Portland OR
Site Notes	
Location	45.505032 - -122.677685
Start Date	Wednesday, October 24, 2018
Start Time	07:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:35:00 AM
Peak 15 Min Start	08:20:00 AM
PHF (15-Min Int)	0.97



Peak-Hour Volumes (PHV)

Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
0	445	0	0	0	326	39	0	0	0	77	0	0	0	470	0	445	365	77	470	403	915	39	0

Percent Heavy Vehicles

0.0%	3.4%	0.0%	0.0%	0.0%	4.0%	5.1%	0.0%	0.0%	0.0%	3.9%	0.0%	0.0%	0.0%	2.3%	0.0%	3.4%	4.1%	3.9%	2.3%	4.0%	2.8%	5.1%	0.0%

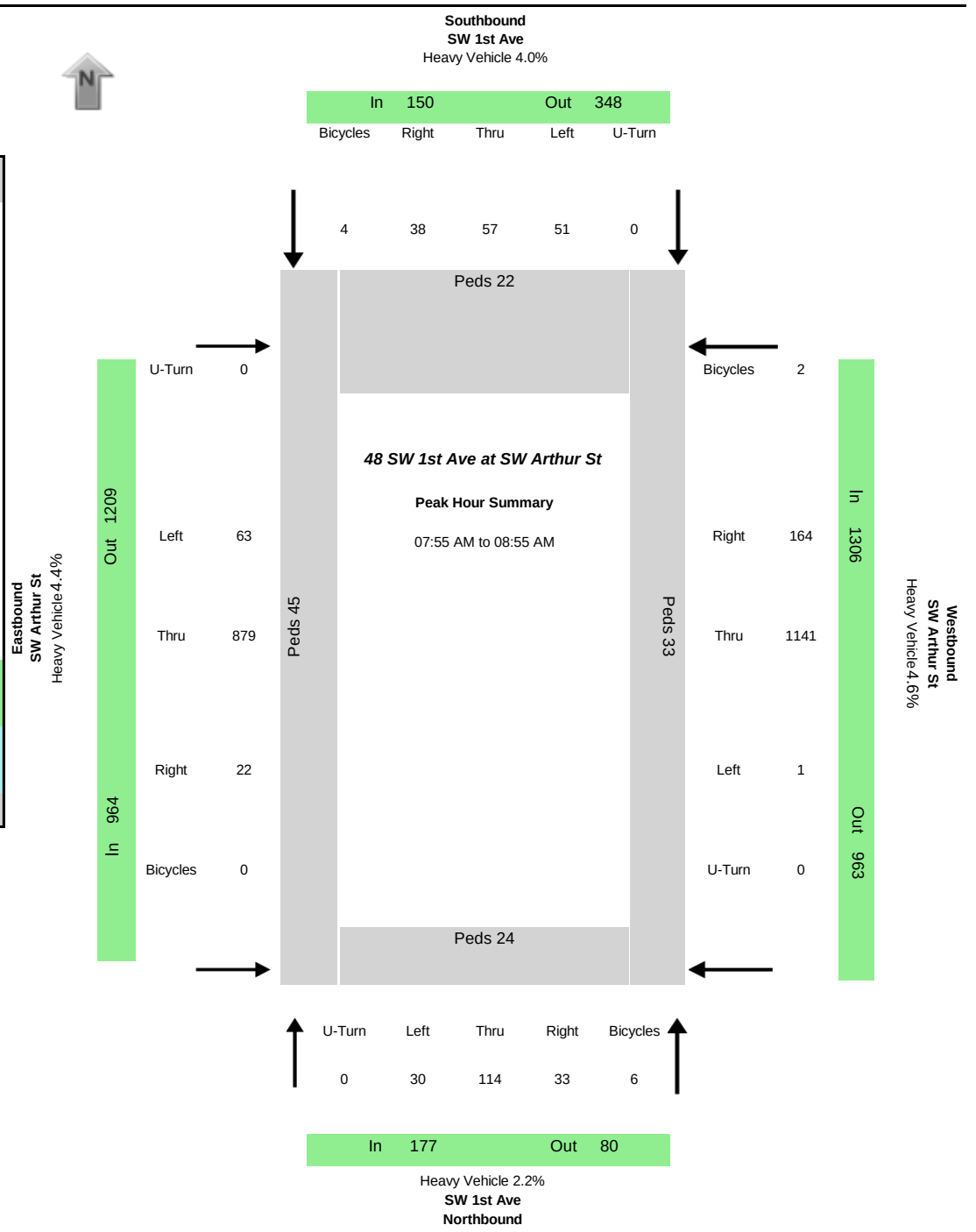
PHV- Bicycles																	PHV - Pedestrians				
Northbound				Southbound				Eastbound				Westbound					in Crosswalk				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**	NB	SB	EB	WB	**Sum**
0	8	0	0	0	0	0	0	0	0	1	0	0	0	1	0	10	0	0	0	0	0

All Vehicle Volumes

	Northbound				Southbound				Eastbound				Westbound					
	SW Naito Pkwy				SW Naito Pkwy				SW Sheridan St				SW Sheridan St				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
07:00:00 AM	0	33	0	0	0	17	2	0	0	0	3	0	0	0	57	0		
07:05:00 AM	0	26	0	0	0	17	1	0	0	0	3	0	0	0	62	0		
07:10:00 AM	0	34	0	0	0	19	3	0	0	0	7	0	0	0	40	0	324	
07:15:00 AM	0	28	0	0	0	17	3	0	0	0	6	0	0	0	46	0	312	
07:20:00 AM	0	47	0	0	0	23	4	0	0	0	6	0	1	0	52	0	336	
07:25:00 AM	0	32	0	0	0	16	1	0	0	0	2	0	0	0	33	0	317	
07:30:00 AM	0	41	0	0	0	16	5	0	0	0	5	0	0	0	45	0	329	
07:35:00 AM	0	42	0	0	0	24	3	0	0	0	6	0	0	0	42	0	313	
07:40:00 AM	0	34	0	0	0	24	1	0	0	0	4	0	0	0	37	0	329	
07:45:00 AM	0	32	0	0	0	31	1	0	0	0	6	0	0	0	41	0	328	
07:50:00 AM	0	39	0	0	0	32	4	0	0	0	5	0	0	0	42	0	333	
07:55:00 AM	0	40	0	0	0	23	3	0	0	0	8	0	0	0	37	0	344	1314
08:00:00 AM	0	39	0	0	0	30	3	0	0	0	3	0	0	0	38	0	346	1315
08:05:00 AM	0	40	0	0	0	18	3	0	0	0	6	0	0	0	38	0	329	1311
08:10:00 AM	0	36	0	0	0	27	5	0	0	0	8	0	0	0	45	0	339	1329
08:15:00 AM	0	30	0	0	0	27	5	0	0	0	9	0	0	0	37	0	334	1337
08:20:00 AM	0	38	0	0	0	30	8	0	0	0	8	0	0	0	34	0	347	1322
08:25:00 AM	0	35	0	0	0	32	2	0	0	0	5	0	0	0	36	0	336	1348
08:30:00 AM	0	40	0	0	0	28	1	0	0	0	9	0	0	0	43	0	349	1357
08:35:00 AM	0	31	0	0	0	34	3	0	0	0	3	0	0	0	31	0	333	1342
08:40:00 AM	0	35	0	0	0	27	5	0	0	0	3	0	0	0	35	0	328	1347
08:45:00 AM	0	34	0	0	0	29	2	0	0	0	8	0	0	0	32	0	312	1341
08:50:00 AM	0	39	0	0	0	24	3	0	0	0	2	0	0	0	39	0	317	1326
08:55:00 AM	0	26	0	0	0	24	4	0	0	0	3	0	0	0	44	0	313	1316

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW 1st Ave*
E/W street	*SW Arthur St*
City, State	Portland OR
Site Notes	
Location	45.503733 - -122.678691
Start Date	Tuesday, October 23, 2018
Start Time	07:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:55:00 AM
Peak 15 Min Start	07:55:00 AM
PHF (15-Min Int)	0.98



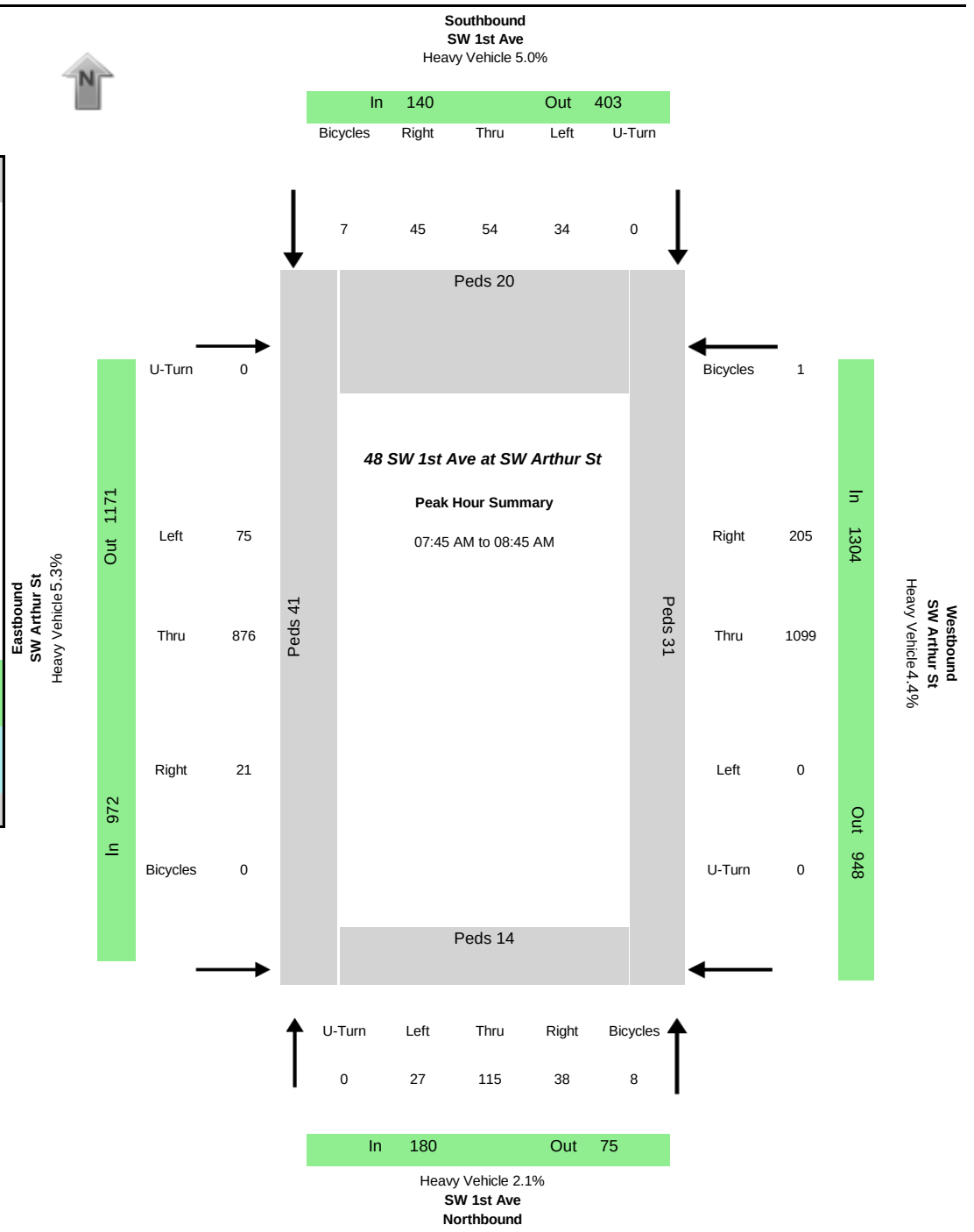
Peak-Hour Volumes (PHV)																							
Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
30	114	33	0	51	57	38	0	63	879	22	0	1	1141	164	0	177	146	964	1306	80	341	1209	963
Percent Heavy Vehicles																							
6.7%	1.8%	0.0%	0.0%	5.9%	1.8%	5.3%	0.0%	6.3%	4.2%	4.5%	0.0%	0.0%	4.2%	7.3%	0.0%	2.3%	4.1%	4.4%	4.6%	2.5%	5.3%	4.3%	4.2%

PHV- Bicycles																	PHV - Pedestrians				
Northbound				Southbound				Eastbound				Westbound					in Crosswalk				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**	NB	SB	EB	WB	**Sum**
0	6	0	0	0	3	1	0	0	0	0	0	0	1	1	0	12	24	22	45	33	124

All Vehicle Volumes																		
	Northbound				Southbound				Eastbound				Westbound					
	SW 1st Ave				SW 1st Ave				SW Arthur St				SW Arthur St				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
07:00:00 AM	1	5	2	0	2	3	4	0	4	49	2	0	0	114	7	0		
07:05:00 AM	0	4	2	0	1	1	2	0	3	49	1	0	1	110	6	0		
07:10:00 AM	0	4	0	0	0	4	2	0	2	61	0	0	0	90	8	0	544	
07:15:00 AM	2	4	1	0	3	2	4	0	4	47	0	0	0	84	11	0	513	
07:20:00 AM	1	5	0	0	2	1	0	0	5	53	0	0	0	110	8	0	518	
07:25:00 AM	0	2	1	0	1	3	0	0	3	70	1	0	0	87	13	0	528	
07:30:00 AM	1	7	2	0	2	2	2	0	4	73	1	0	0	91	15	0	566	
07:35:00 AM	0	12	1	0	1	3	0	0	4	80	2	0	0	77	9	0	570	
07:40:00 AM	0	8	2	0	2	1	1	0	6	85	1	0	0	108	16	0	619	
07:45:00 AM	2	9	2	0	4	5	2	0	2	73	0	0	0	78	16	0	612	
07:50:00 AM	3	13	0	0	2	7	5	0	2	81	0	0	0	55	14	0	605	
07:55:00 AM	1	8	2	0	1	3	4	0	4	98	2	0	0	87	14	0	599	2290
08:00:00 AM	7	9	1	0	5	5	2	0	6	84	5	0	0	92	21	0	643	2334
08:05:00 AM	2	15	1	0	0	3	1	0	3	70	2	0	0	88	18	0	664	2357
08:10:00 AM	3	11	6	0	5	6	4	0	5	81	3	0	0	83	17	0	664	2410
08:15:00 AM	2	14	3	0	4	8	2	0	5	57	1	0	0	111	17	0	651	2472
08:20:00 AM	2	12	3	0	3	4	5	0	8	60	1	0	0	82	14	0	642	2481
08:25:00 AM	1	4	2	0	5	9	1	0	7	84	1	0	1	105	17	0	655	2537
08:30:00 AM	5	7	3	0	11	2	6	0	6	68	2	0	0	93	12	0	646	2552
08:35:00 AM	3	12	4	0	6	4	4	0	9	64	0	0	0	83	11	0	652	2563
08:40:00 AM	2	8	3	0	3	4	3	0	5	82	3	0	0	120	11	0	659	2577
08:45:00 AM	1	5	5	0	5	7	3	0	2	61	0	0	0	97	8	0	638	2578
08:50:00 AM	1	9	0	0	3	2	3	0	3	70	2	0	0	100	4	0	635	2593
08:55:00 AM	5	6	1	0	1	3	2	0	2	74	0	0	0	93	14	0	592	2570

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW 1st Ave*
E/W street	*SW Arthur St*
City, State	Portland OR
Site Notes	
Location	45.503733 - -122.678691
Start Date	Wednesday, October 24, 2018
Start Time	07:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:45:00 AM
Peak 15 Min Start	08:30:00 AM
PHF (15-Min Int)	0.95



Peak-Hour Volumes (PHV)

Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
27	115	38	0	34	54	45	0	75	876	21	0	0	1099	205	0	180	133	972	1304	75	395	1171	948

Percent Heavy Vehicles

0.0%	3.5%	0.0%	0.0%	5.9%	1.9%	8.9%	0.0%	8.0%	5.0%	9.5%	0.0%	0.0%	4.2%	5.4%	0.0%	2.2%	5.3%	5.3%	4.4%	4.0%	5.3%	4.3%	4.9%

PHV- Bicycles

Northbound				Southbound				Eastbound				Westbound				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**
0	8	0	0	0	7	0	0	0	0	0	0	0	1	0	0	16

PHV - Pedestrians

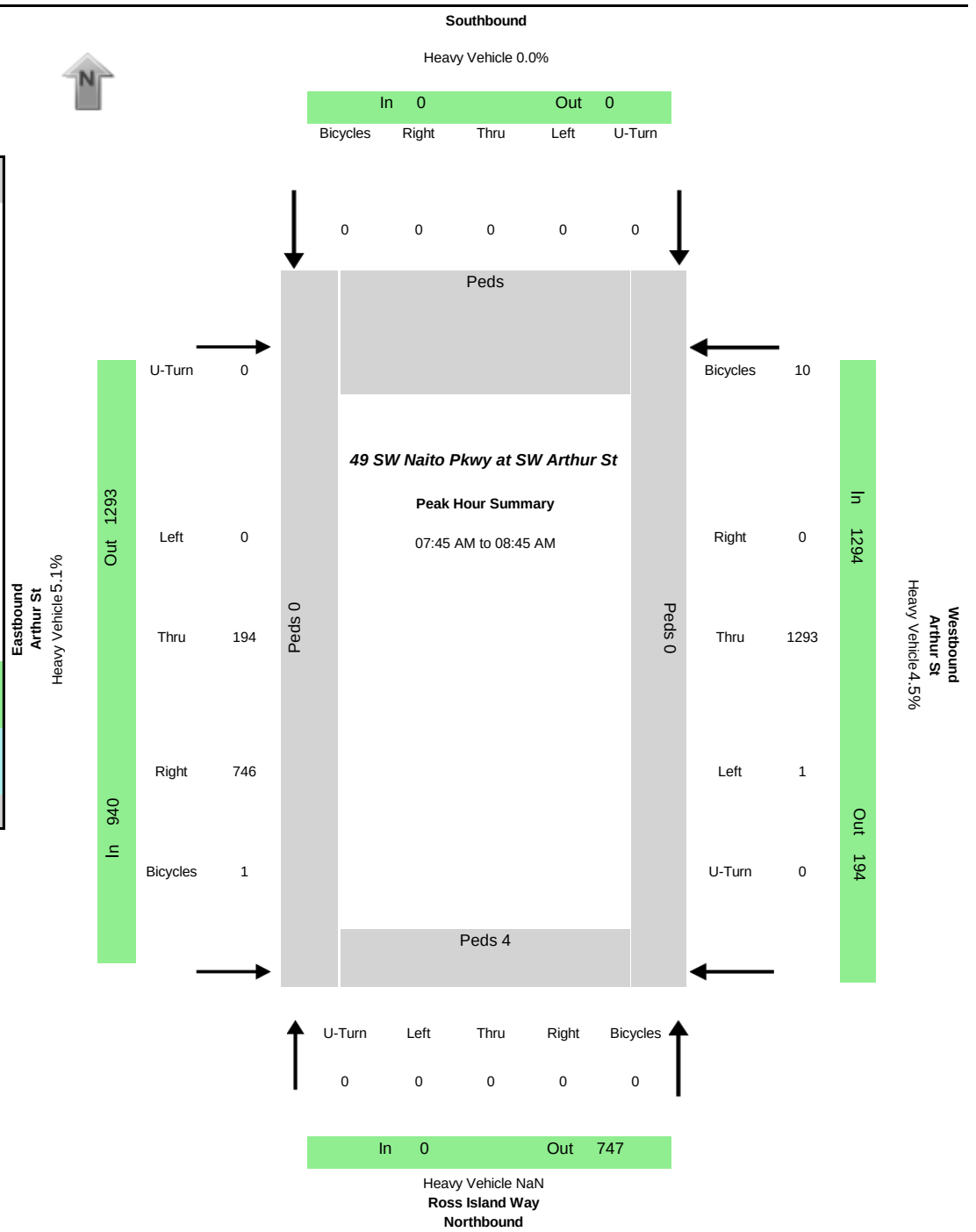
in Crosswalk				
NB	SB	EB	WB	**Sum**
14	20	41	31	106

All Vehicle Volumes

	Northbound				Southbound				Eastbound				Westbound					
	SW 1st Ave				SW 1st Ave				SW Arthur St				SW Arthur St				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
07:00:00 AM	1	3	0	0	1	3	0	0	3	47	2	0	0	92	13	0		
07:05:00 AM	0	3	3	0	1	1	2	0	1	64	4	0	0	111	8	0		
07:10:00 AM	1	3	2	0	6	4	2	0	5	62	0	0	0	104	10	0	562	
07:15:00 AM	0	1	1	0	1	6	1	0	2	58	0	0	0	94	12	0	573	
07:20:00 AM	1	11	0	0	1	2	1	0	3	50	1	0	0	91	15	0	551	
07:25:00 AM	1	6	3	0	4	1	3	0	5	75	0	0	0	110	13	0	573	
07:30:00 AM	2	5	1	0	6	4	4	0	1	55	1	0	0	94	10	0	580	
07:35:00 AM	0	8	4	0	6	3	2	0	3	85	1	0	0	69	12	0	597	
07:40:00 AM	2	9	2	0	0	0	2	0	5	91	5	0	0	66	7	0	565	
07:45:00 AM	0	13	1	0	2	3	1	0	3	87	2	0	0	104	11	0	609	
07:50:00 AM	1	5	1	0	3	4	3	0	8	79	4	0	0	65	10	0	599	
07:55:00 AM	1	11	2	0	2	4	5	0	9	95	2	0	0	73	31	0	645	2345
08:00:00 AM	3	13	5	0	5	10	3	0	4	77	2	0	0	73	19	0	632	2394
08:05:00 AM	2	5	3	0	1	2	2	0	2	74	0	0	0	96	7	0	643	2390
08:10:00 AM	2	11	6	0	5	3	6	0	5	80	0	0	0	67	17	0	610	2393
08:15:00 AM	3	13	4	0	4	9	6	0	5	77	3	0	0	95	22	0	637	2458
08:20:00 AM	5	12	5	0	2	4	5	0	11	51	1	0	0	77	19	0	635	2474
08:25:00 AM	1	7	4	0	4	0	6	0	6	51	1	0	0	121	17	0	651	2471
08:30:00 AM	2	12	2	0	5	7	2	0	10	65	2	0	0	103	12	0	632	2510
08:35:00 AM	6	5	2	0	1	6	1	0	4	66	1	0	0	115	25	0	672	2549
08:40:00 AM	1	8	3	0	0	2	5	0	8	74	3	0	0	110	15	0	683	2589
08:45:00 AM	2	15	6	0	2	3	8	0	5	60	3	0	0	81	12	0	658	2559
08:50:00 AM	3	5	1	0	2	4	1	0	6	67	2	0	0	92	15	0	624	2574
08:55:00 AM	4	5	3	0	1	4	4	0	2	79	1	0	0	94	9	0	601	2545

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*Ross Island Way*
E/W street	*Arthur St*
City, State	Portland OR
Site Notes	
Location	45.503683 - -122.678033
Start Date	Wednesday, October 24, 2018
Start Time	07:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:45:00 AM
Peak 15 Min Start	08:25:00 AM
PHF (15-Min Int)	0.95



Peak-Hour Volumes (PHV)

Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
0	0	0	0	0	0	0	0	0	194	746	0	1	1293	0	0	0	0	940	1294	747	0	1293	194

Percent Heavy Vehicles

0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.6%	5.8%	0.0%	0.0%	4.6%	0.0%	0.0%	#DIV/0!	0.0%	5.1%	4.6%	5.8%	0.0%	4.6%	2.6%

PHV- Bicycles

Northbound				Southbound				Eastbound				Westbound				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**
0		0	0						1	0	0	0	10		0	11

PHV - Pedestrians

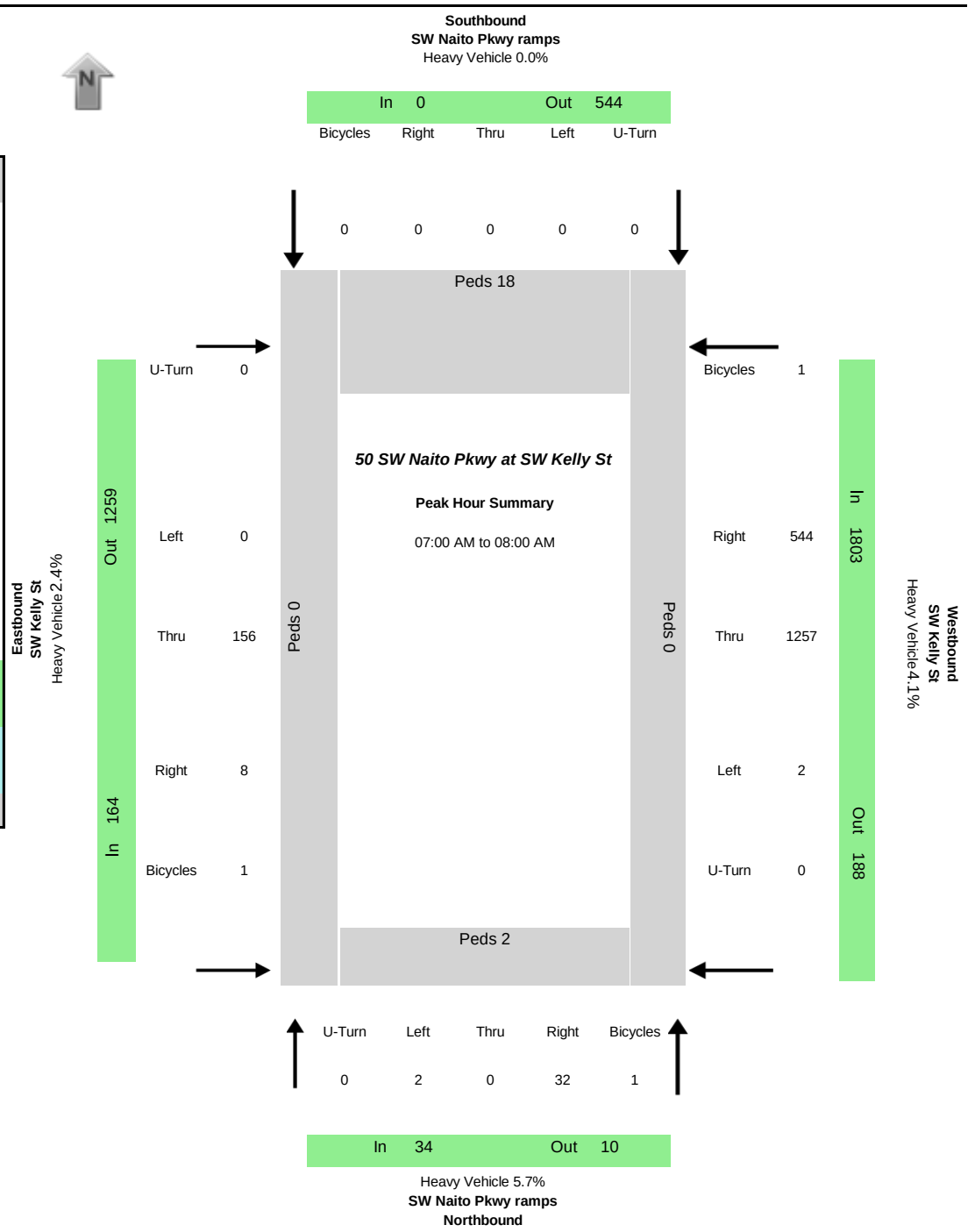
in Crosswalk				
NB	SB	EB	WB	**Sum**
4		0	0	4

All Vehicle Volumes

	Northbound				Southbound				Eastbound				Westbound					
	Ross Island Way								Arthur St				Arthur St				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
07:00:00 AM	1		0	0						8	37	0	0	112		0		
07:05:00 AM	0		0	0						10	47	0	0	112		0		
07:10:00 AM	0		0	0						11	69	0	0	123		0	530	
07:15:00 AM	0		0	0						12	49	0	0	114		0	547	
07:20:00 AM	0		0	0						7	38	0	0	109		0	532	
07:25:00 AM	0		0	0						9	68	0	0	113		0	519	
07:30:00 AM	0		0	0						14	57	0	0	116		0	531	
07:35:00 AM	0		0	0						16	74	0	0	94		0	561	
07:40:00 AM	0		0	0						17	70	0	0	61		0	519	
07:45:00 AM	0		0	0						14	80	0	0	121		0	547	
07:50:00 AM	0		0	0						21	60	0	0	76		0	520	
07:55:00 AM	0		0	0						27	70	0	0	101		0	570	2138
08:00:00 AM	0		0	0						25	62	0	1	93		0	536	2161
08:05:00 AM	0		0	0						13	62	0	0	105		0	559	2172
08:10:00 AM	0		0	0						19	68	0	0	70		0	518	2126
08:15:00 AM	0		0	0						14	79	0	0	127		0	557	2171
08:20:00 AM	0		0	0						8	40	0	0	98		0	523	2163
08:25:00 AM	0		0	0						14	52	0	0	128		0	560	2167
08:30:00 AM	0		0	0						13	57	0	0	126		0	536	2176
08:35:00 AM	0		0	0						11	54	0	0	133		0	588	2190
08:40:00 AM	0		0	0						15	62	0	0	115		0	586	2234
08:45:00 AM	0		0	0						7	58	0	0	94		0	549	2178
08:50:00 AM	0		0	0						16	57	0	1	91		0	516	2186
08:55:00 AM	0		0	0						16	59	0	1	101		0	501	2165

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW Naito Pkwy ramps*
E/W street	*SW Kelly St*
City, State	Portland OR
Site Notes	
Location	45.503605 - -122.677442
Start Date	Wednesday, October 24, 2018
Start Time	07:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:00:00 AM
Peak 15 Min Start	07:00:00 AM
PHF (15-Min Int)	0.94



Peak-Hour Volumes (PHV)

Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
2	0	32	0	0	0	0	0	0	156	8	0	2	1257	544	0	34	0	164	1803	10	544	1259	188

Percent Heavy Vehicles

0.0%	0.0%	6.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.6%	0.0%	0.0%	0.0%	4.5%	3.1%	0.0%	5.9%	0.0%	2.4%	4.1%	0.0%	3.1%	4.5%	3.2%

PHV- Bicycles

Northbound				Southbound				Eastbound				Westbound				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**
0	0	1	0	0	0	0	0	0	1	0	0	0	1	0	0	3

PHV - Pedestrians

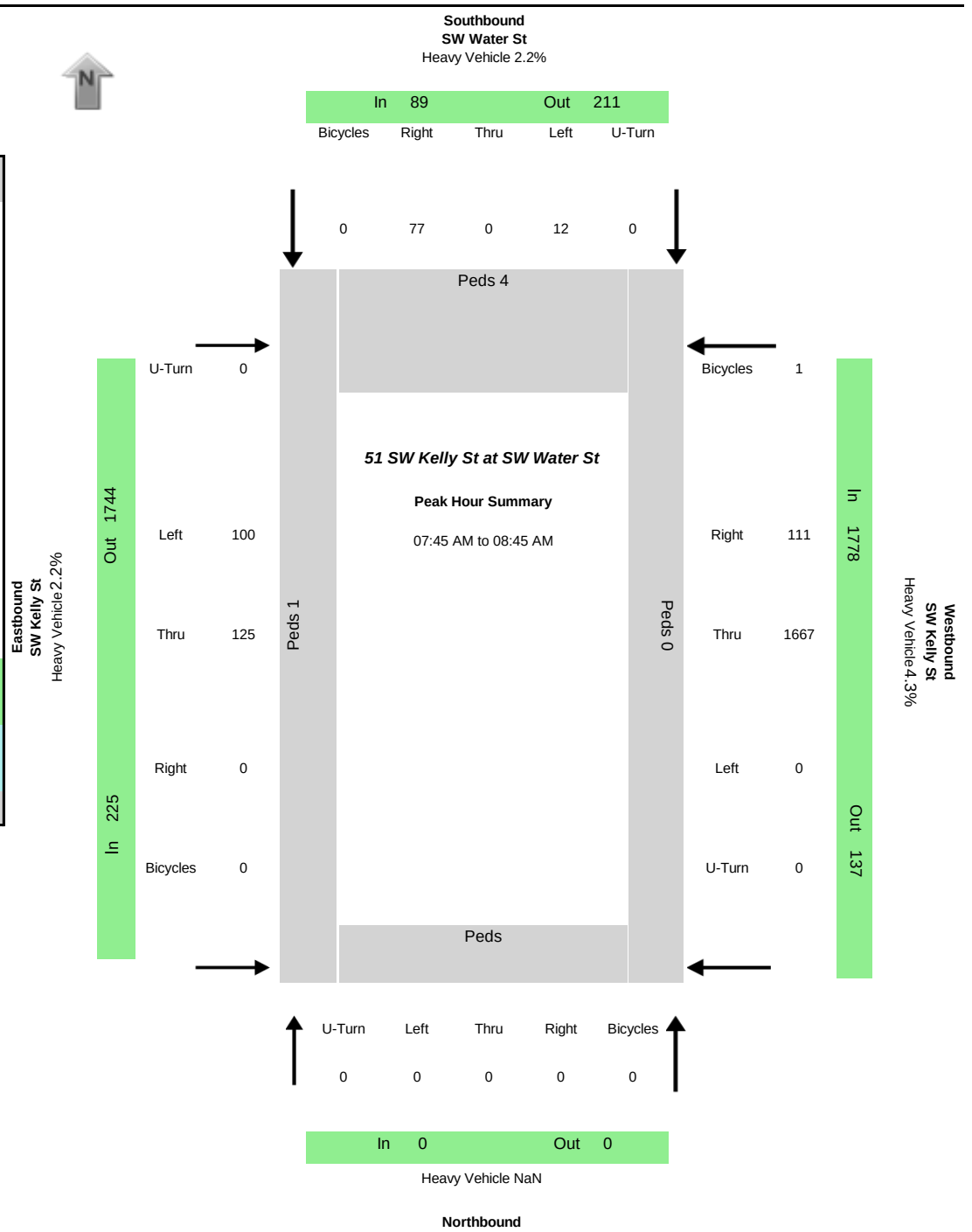
in Crosswalk				
NB	SB	EB	WB	**Sum**
2	18	0	0	20

All Vehicle Volumes

	Northbound				Southbound				Eastbound				Westbound					
	SW Naito Pkwy ramps				SW Naito Pkwy ramps				SW Kelly St				SW Kelly St				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
07:00:00 AM	0	0	1	0	0	0	0	0	0	10	0	0	0	113	59	0		
07:05:00 AM	0	0	0	0	0	0	0	0	0	9	0	0	0	111	54	0		
07:10:00 AM	0	0	1	0	0	0	0	0	0	10	1	0	0	123	43	0	535	
07:15:00 AM	0	0	0	0	0	0	0	0	0	9	0	0	1	111	38	0	511	
07:20:00 AM	0	0	2	0	0	0	0	0	0	5	0	0	0	114	54	0	512	
07:25:00 AM	1	0	5	0	0	0	0	0	0	8	0	0	1	114	45	0	508	
07:30:00 AM	0	0	3	0	0	0	0	0	0	11	3	0	0	113	37	0	516	
07:35:00 AM	0	0	5	0	0	0	0	0	0	16	0	0	0	94	38	0	494	
07:40:00 AM	0	0	4	0	0	0	0	0	0	18	1	0	0	66	38	0	447	
07:45:00 AM	1	0	4	0	0	0	0	0	0	15	1	0	0	120	51	0	472	
07:50:00 AM	0	0	5	0	0	0	0	0	0	20	0	0	0	79	45	0	468	
07:55:00 AM	0	0	2	0	0	0	0	0	0	25	2	0	0	99	42	0	511	2001
08:00:00 AM	2	0	1	0	0	0	0	0	0	24	0	0	0	90	35	0	471	1970
08:05:00 AM	0	0	2	0	0	0	0	0	0	13	0	0	0	110	37	0	484	1958
08:10:00 AM	1	0	1	0	0	0	0	0	0	18	0	0	0	72	38	0	444	1910
08:15:00 AM	0	0	0	0	0	0	0	0	0	14	1	0	0	128	40	0	475	1934
08:20:00 AM	0	0	1	0	0	0	0	0	0	8	0	0	0	97	38	0	457	1903
08:25:00 AM	0	0	2	0	0	0	0	0	0	18	0	0	0	124	36	0	507	1909
08:30:00 AM	1	0	4	0	0	0	0	0	0	10	1	0	0	126	41	0	507	1925
08:35:00 AM	1	0	0	0	0	0	0	0	0	10	0	0	0	132	33	0	539	1948
08:40:00 AM	2	0	1	0	0	0	0	0	0	20	1	0	0	120	36	0	539	2001
08:45:00 AM	1	0	1	0	0	0	0	0	0	9	0	0	0	100	31	0	498	1951
08:50:00 AM	0	0	2	0	0	0	0	0	0	17	1	0	0	104	43	0	489	1969
08:55:00 AM	1	0	3	0	0	0	0	0	0	20	0	0	0	109	33	0	475	1965

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW Water St*
E/W street	*SW Kelly St*
City, State	Portland OR
Site Notes	
Location	45.503037 - -122.676659
Start Date	Wednesday, October 24, 2018
Start Time	07:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:45:00 AM
Peak 15 Min Start	08:25:00 AM
PHF (15-Min Int)	0.91



Peak-Hour Volumes (PHV)

Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
0	0	0	0	12	0	77	0	100	125	0	0	0	1667	111	0	0	89	225	1778	0	211	1744	137

Percent Heavy Vehicles

0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.6%	0.0%	2.0%	2.4%	0.0%	0.0%	0.0%	4.5%	1.8%	0.0%	#DIV/0!	2.2%	2.2%	4.3%	#DIV/0!	1.9%	4.4%	2.2%

PHV- Bicycles

Northbound				Southbound				Eastbound				Westbound				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**
				0		0	0	0	0		0		1	0	0	1

PHV - Pedestrians

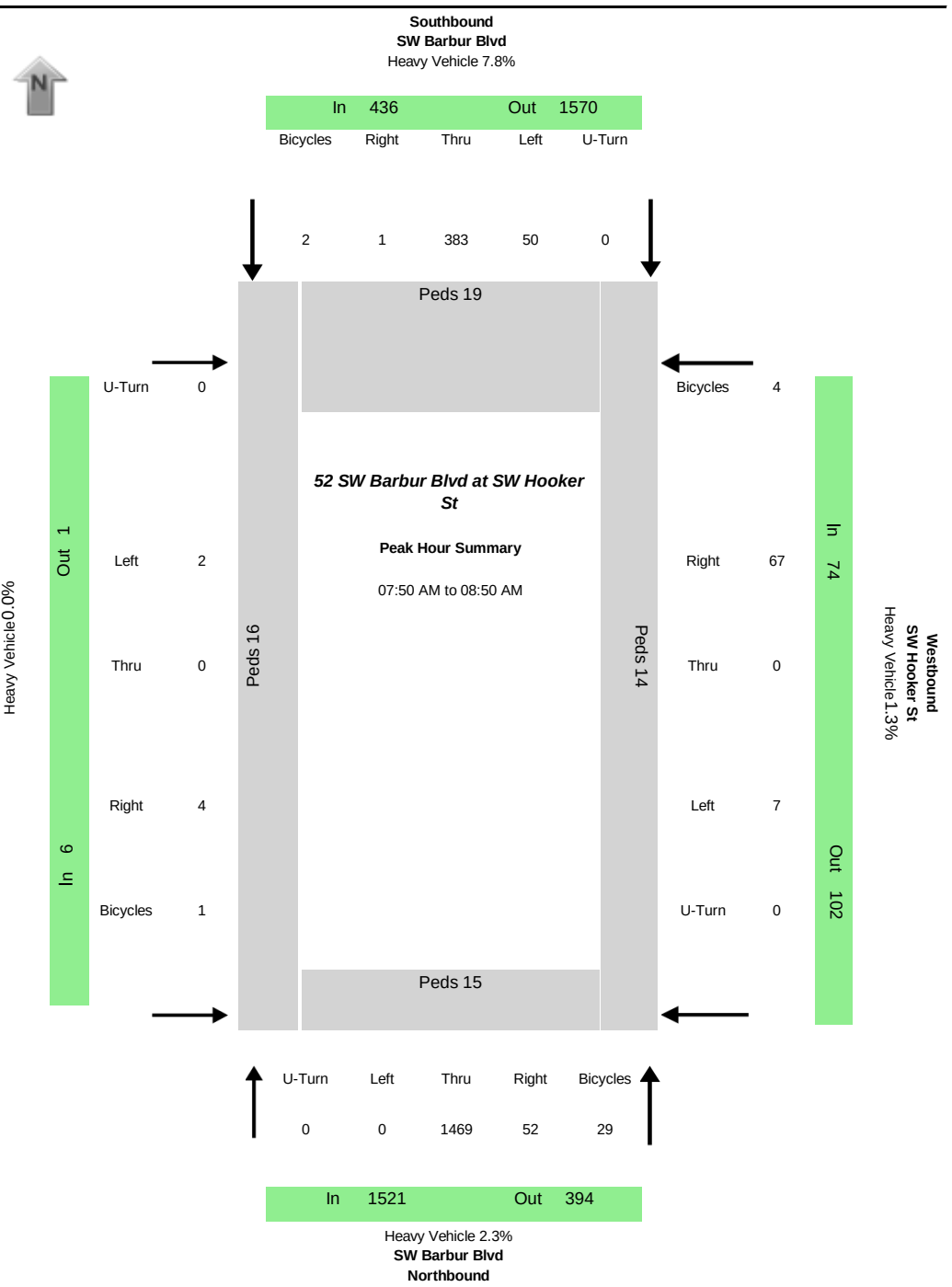
in Crosswalk				
NB	SB	EB	WB	**Sum**
	4	1	0	5

All Vehicle Volumes

	Northbound				Southbound				Eastbound				Westbound					
					SW Water St				SW Kelly St				SW Kelly St				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
07:00:00 AM					0		2	0	6	8		0		175	7	0		
07:05:00 AM					0		2	0	1	8		0		168	4	0		
07:10:00 AM					0		1	0	2	9		0		162	7	0	562	
07:15:00 AM					1		2	0	5	5		0		146	6	0	529	
07:20:00 AM					0		5	0	3	5		0		159	7	0	525	
07:25:00 AM					0		1	0	4	11		0		150	9	0	519	
07:30:00 AM					0		3	0	4	9		0		145	10	0	525	
07:35:00 AM					1		5	0	9	13		0		135	9	0	518	
07:40:00 AM					0		4	0	9	10		0		99	8	0	473	
07:45:00 AM					0		7	0	13	8		0		156	8	0	494	
07:50:00 AM					1		5	0	15	13		0		117	19	0	492	
07:55:00 AM					3		9	0	12	16		0		122	12	0	536	2090
08:00:00 AM					1		8	0	6	22		0		116	10	0	507	2055
08:05:00 AM					3		10	0	6	8		0		144	7	0	515	2050
08:10:00 AM					1		16	0	8	11		0		97	8	0	482	2010
08:15:00 AM					0		8	0	5	8		0		149	2	0	491	2017
08:20:00 AM					1		6	0	4	4		0		128	7	0	463	1988
08:25:00 AM					0		2	0	5	13		0		153	15	0	510	2001
08:30:00 AM					1		1	0	9	7		0		167	8	0	531	2023
08:35:00 AM					0		1	0	7	4		0		174	9	0	576	2046
08:40:00 AM					1		4	0	10	11		0		144	6	0	564	2092
08:45:00 AM					0		3	0	6	4		0		127	9	0	520	2049
08:50:00 AM					0		3	0	6	13		0		153	2	0	502	2056
08:55:00 AM					0		2	0	9	10		0		126	6	0	479	2035

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW Barbur Blvd*
E/W street	*SW Hooker St*
City, State	Portland OR
Site Notes	
Location	45.502287 - -122.681705
Start Date	Tuesday, October 23, 2018
Start Time	06:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:50:00 AM
Peak 15 Min Start	08:25:00 AM
PHF (15-Min Int)	0.91



Peak-Hour Volumes (PHV)																							
Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
0	1469	52	0	50	383	1	0	2	0	4	0	7	0	67	0	1521	434	6	74	394	1538	1	102
Percent Heavy Vehicles																							
0.0%	2.4%	1.9%	0.0%	0.0%	8.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	14.3%	0.0%	0.0%	0.0%	2.4%	7.8%	0.0%	1.4%	8.9%	2.3%	0.0%	1.0%

PHV- Bicycles																	PHV - Pedestrians				
Northbound				Southbound				Eastbound				Westbound					in Crosswalk				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**	NB	SB	EB	WB	**Sum**
0	28	1	0	1	1	0	0	0	1	0	0	0	0	4	0	36	15	19	16	14	64

All Vehicle Volumes																		
	Northbound				Southbound				Eastbound				Westbound					
	SW Barbur Blvd				SW Barbur Blvd				SW Hooker St				SW Hooker St				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
06:00:00 AM	0	14	0	0	0	7	0	0	0	0	0	0	1	0	0	0		
06:05:00 AM	0	15	0	0	0	5	0	0	0	0	0	0	0	0	0	0		
06:10:00 AM	0	20	0	0	2	3	0	0	0	0	0	0	0	0	2	0	69	
06:15:00 AM	0	17	1	0	0	4	0	0	0	0	0	0	0	0	0	0	69	
06:20:00 AM	0	24	0	0	1	6	0	0	0	0	0	0	0	0	0	0	80	
06:25:00 AM	0	33	2	0	0	5	0	0	0	0	0	0	0	0	1	0	94	
06:30:00 AM	0	24	0	0	0	6	0	0	0	0	0	0	1	0	1	0	104	
06:35:00 AM	0	37	0	0	1	10	0	0	0	0	0	0	0	0	1	0	122	
06:40:00 AM	0	41	2	0	0	9	0	0	0	0	0	0	0	0	1	0	134	
06:45:00 AM	0	57	1	0	4	13	0	0	0	0	0	0	0	0	4	0	181	
06:50:00 AM	0	56	2	0	1	10	0	0	0	1	0	0	0	0	2	0	204	
06:55:00 AM	0	65	4	0	1	11	1	0	0	0	0	0	1	0	1	0	235	532
07:00:00 AM	1	69	1	0	1	12	0	0	0	2	1	0	0	1	2	0	246	600
07:05:00 AM	0	59	0	0	0	11	0	0	2	0	1	0	0	0	2	0	249	655
07:10:00 AM	0	62	0	0	1	13	0	0	0	0	0	0	0	0	1	0	242	705
07:15:00 AM	0	105	3	0	0	12	0	0	0	0	1	0	1	0	1	0	275	806
07:20:00 AM	0	87	1	0	1	8	0	0	0	0	0	0	0	0	2	0	299	874
07:25:00 AM	0	96	2	0	1	11	0	0	0	0	0	0	0	0	4	0	336	947
07:30:00 AM	0	137	4	0	0	20	1	0	0	1	0	0	0	0	5	0	381	1083
07:35:00 AM	0	120	5	0	1	16	0	1	1	0	0	0	0	0	5	0	431	1183
07:40:00 AM	0	111	1	0	6	17	0	0	0	0	0	0	1	0	3	0	456	1269
07:45:00 AM	0	109	3	0	2	15	0	0	1	0	0	0	2	0	5	0	425	1327
07:50:00 AM	0	143	3	0	6	17	0	0	0	0	0	0	0	0	2	0	447	1426
07:55:00 AM	0	141	4	0	5	26	0	0	0	0	1	0	0	0	5	0	490	1524
08:00:00 AM	0	100	5	0	13	22	0	0	0	0	0	0	0	0	5	0	498	1579
08:05:00 AM	0	119	4	0	4	23	0	0	1	0	1	0	0	0	8	0	487	1664
08:10:00 AM	0	115	8	0	13	35	0	0	0	0	0	0	1	0	4	0	481	1763
08:15:00 AM	0	130	4	0	3	29	0	0	0	0	0	0	0	0	6	0	508	1812
08:20:00 AM	0	104	7	0	3	29	0	0	0	0	1	0	1	0	5	0	498	1863
08:25:00 AM	0	130	6	0	0	40	0	0	1	0	1	0	1	0	7	0	508	1935
08:30:00 AM	0	141	3	0	0	38	0	0	0	0	0	0	2	0	6	0	526	1957
08:35:00 AM	0	123	0	0	1	51	1	0	0	0	0	0	1	0	9	0	562	1994
08:40:00 AM	0	104	1	0	2	39	0	0	0	0	0	0	1	0	5	0	528	2007
08:45:00 AM	0	119	7	0	0	34	0	0	0	0	0	0	0	0	5	0	503	2035
08:50:00 AM	0	116	0	0	0	32	0	0	0	1	0	0	1	0	2	0	469	2016
08:55:00 AM	0	69	1	0	0	26	0	0	0	0	0	0	0	0	6	0	419	1936

Study Name	49 SW Naito Pkwy at Hooker St
Start Date	10/24/2018
Start Time	7:00 AM
Site Code	

Location 45.50225 -122.67775

Lights

	Northbound	Southbound		Northbound			Westbound		
	Naito Pkwy	Naito Pkwy		Naito Frontage			Hooker St		
Start Time	Thru	Thru	Right to Ross Island	Left to Naito Pkwy NB	Thru to Frontage	Right to Hooker	Left to Fro	Thru to Naito NB	Right to Frontage
7:00 AM	26	9	7	0	0	0	0	1	0
7:05 AM	25	12	7	0	1	0	0	0	0
7:10 AM	31	11	10	0	1	0	0	0	0
7:15 AM	33	10	12	2	0	0	1	0	0
7:20 AM	43	17	8	1	2	1	0	0	0
7:25 AM	40	8	7	0	4	0	1	0	0
7:30 AM	36	7	10	0	4	2	1	1	0
7:35 AM	27	11	16	0	4	2	0	0	0
7:40 AM	34	9	19	0	4	0	0	0	0
7:45 AM	37	15	12	1	6	5	0	0	0
7:50 AM	33	18	17	1	5	2	0	0	0
7:55 AM	44	14	13	0	2	3	1	0	0
8:00 AM	41	16	14	0	2	3	0	0	0
8:05 AM	38	9	12	2	2	1	0	0	0
8:10 AM	20	18	16	2	3	0	1	0	0
8:15 AM	25	14	18	0	0	3	0	0	0
8:20 AM	52	21	19	0	2	1	0	0	0
8:25 AM	33	9	23	1	3	2	0	0	0
8:30 AM	28	18	19	0	5	2	0	0	0
8:35 AM	35	19	16	0	2	1	1	0	0
8:40 AM	35	21	8	1	5	1	0	0	0
8:45 AM	36	13	19	1	2	2	0	0	0
8:50 AM	24	12	10	1	3	1	0	0	0
8:55 AM	22	12	13	0	2	4	1	0	0

Other Vehicles

	Northbound	Southbound		Northbound			Westbound		
	Naito Pkwy	Naito Pkwy		Naito Frontage			Hooker St		
Start Time	Thru	Thru	Right to Ross Island	Left to Naito Pkwy NB	Thru to Frontage	Right to Hooker	Left to Fro	Thru to Naito NB	Right to Frontage
7:00 AM	0	0	0	0	0	0	0	0	0
7:05 AM	2	0	0	0	0	0	0	0	0
7:10 AM	4	1	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0
7:20 AM	1	2	1	0	1	0	0	0	0

7:25 AM	1	0	0	0	1	0	0	0	0
7:30 AM	3	3	0	0	0	0	0	0	0
7:35 AM	1	1	0	0	0	0	0	0	0
7:40 AM	4	0	0	0	0	0	0	0	0
7:45 AM	1	1	0	0	0	0	0	0	0
7:50 AM	0	2	1	0	0	0	0	0	0
7:55 AM	1	2	0	0	1	0	0	0	0
8:00 AM	1	1	1	0	0	0	0	0	0
8:05 AM	0	1	0	0	0	0	0	0	0
8:10 AM	1	2	0	0	0	0	0	0	0
8:15 AM	3	0	0	0	0	0	0	0	0
8:20 AM	1	0	0	0	0	0	0	0	0
8:25 AM	0	2	0	0	0	0	0	0	0
8:30 AM	1	0	3	0	0	0	0	0	0
8:35 AM	0	2	0	0	0	0	0	0	0
8:40 AM	2	0	1	0	0	0	0	0	0
8:45 AM	2	2	1	0	0	0	0	0	0
8:50 AM	1	2	1	0	1	0	0	0	0
8:55 AM	0	1	0	0	0	0	0	0	0

Bicycles on Road

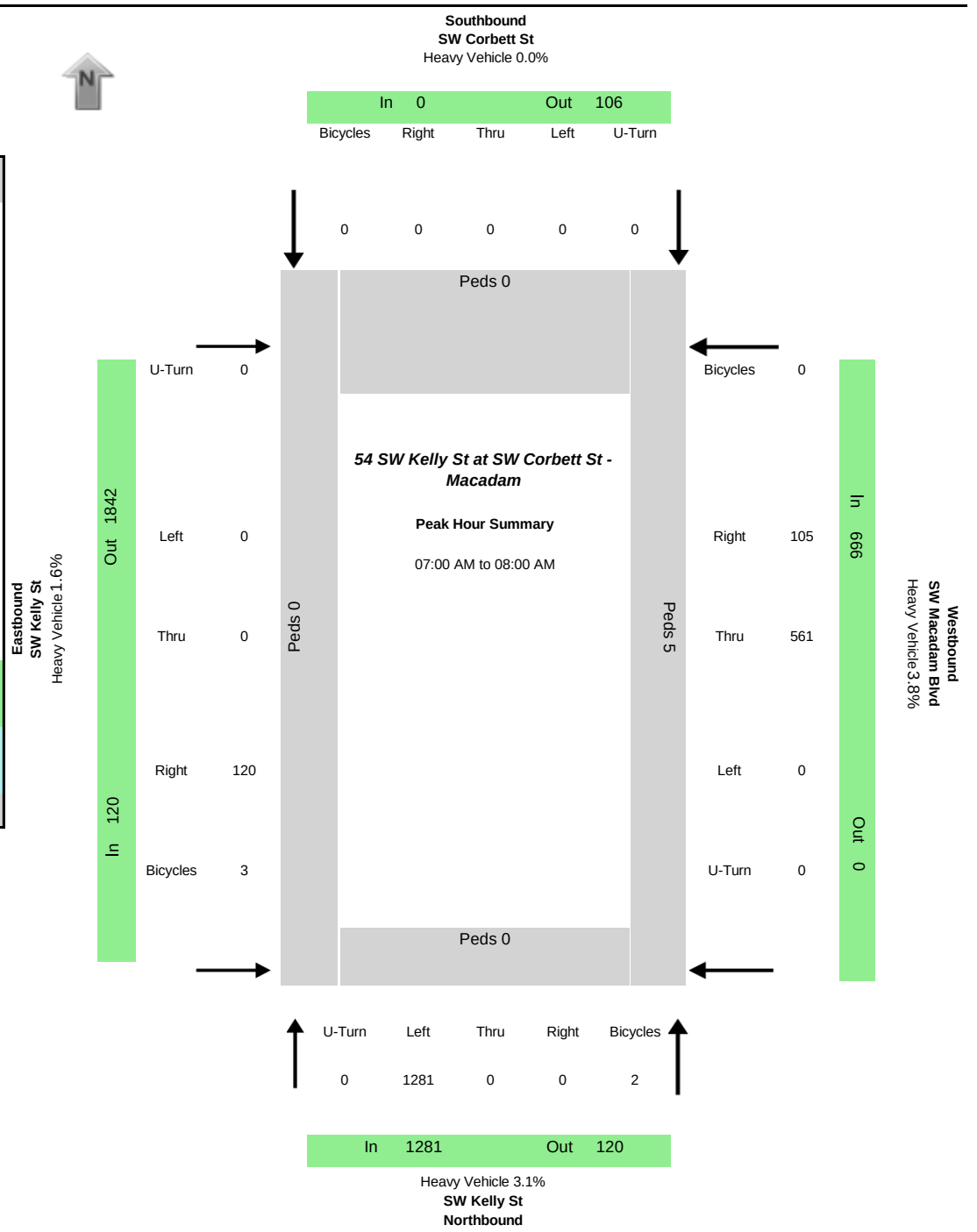
	Northbound	Southbound		Northbound			Westbound		
	Naito Pkwy	Naito Pkwy		Naito Frontage			Hooker St		
Start Time	Thru	Thru	Right to Ross Island	Left to Naito Pkwy NB	Thru to Frontage	Right to Hooker	Left to Fro	Thru to Naito NB	Right to Frontage
7:00 AM	0	0	0	0	0	0	0	0	0
7:05 AM	1	0	0	0	0	0	0	0	0
7:10 AM	2	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0
7:20 AM	0	0	0	0	0	0	0	0	0
7:25 AM	2	0	0	0	0	0	0	0	0
7:30 AM	1	0	0	0	0	0	0	0	0
7:35 AM	0	0	0	0	1	0	0	0	0
7:40 AM	0	0	0	0	0	0	0	0	0
7:45 AM	1	0	0	0	0	0	0	0	0
7:50 AM	0	0	0	0	0	0	0	0	0
7:55 AM	0	0	0	0	0	0	0	0	0
8:00 AM	1	0	0	0	0	0	0	0	0
8:05 AM	3	0	0	0	0	0	0	0	0
8:10 AM	2	0	0	0	0	0	0	0	0
8:15 AM	1	0	0	0	0	0	0	0	0
8:20 AM	2	0	0	0	0	0	0	0	0
8:25 AM	1	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	0	0	0	0
8:35 AM	2	0	0	0	0	0	0	0	0
8:40 AM	3	0	0	0	0	0	0	0	0
8:45 AM	1	0	0	0	0	0	0	0	0
8:50 AM	1	0	0	0	0	0	0	0	0
8:55 AM	0	0	0	0	0	0	0	0	0

All Pedestrians

	Northbound Naito Pkwy		Southbound Naito Pkwy		Northbound Naito Frontage		Southbound Naito Frontage		Westbound Hooker St	
Start Time	Peds CCW	Peds CW	Peds CCW	Peds CW	Peds CCW	Peds CW	Peds CCW	Peds CW	Peds CCW	Peds CW
7:00 AM	0		0		0		0		0	
7:05 AM	0		0		1		0		0	
7:10 AM	0		0		0		0		0	
7:15 AM	0		0		0		0		0	
7:20 AM	0		0		0		0		0	
7:25 AM	0		0		0		0		0	
7:30 AM	0		0		2		0		1	
7:35 AM	0		0		5		0		0	
7:40 AM	0		0		4		0		0	
7:45 AM	0		0		2		0		0	
7:50 AM	1		1		0		0		0	
7:55 AM	0		0		3		0		0	
8:00 AM	0		0		0		0		0	
8:05 AM	1		0		0		0		0	
8:10 AM	0		0		3		0		0	
8:15 AM	0		0		2		0		0	
8:20 AM	0		0		0		0		0	
8:25 AM	0		0		0		0		0	
8:30 AM	0		0		0		0		0	
8:35 AM	0		0		0		0		0	
8:40 AM	1		0		5		0		1	
8:45 AM	0		0		1		0		0	
8:50 AM	0		0		5		0		0	
8:55 AM	0		0		1		0		0	

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW Kelly St*
E/W street	*SW Kelly St*
City, State	Portland OR
Site Notes	
Location	45.502218 - -122.675597
Start Date	Wednesday, October 24, 2018
Start Time	07:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:00:00 AM
Peak 15 Min Start	07:05:00 AM
PHF (15-Min Int)	0.97



Peak-Hour Volumes (PHV)																							
Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
1281	0	0	0	0	0	0	0	0	0	120	0	0	561	105	0	1281	0	120	666	120	105	1842	0
Percent Heavy Vehicles																							
3.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.7%	0.0%	0.0%	4.3%	1.0%	0.0%	3.1%	0.0%	1.7%	3.8%	1.7%	1.0%	3.5%	0.0%

PHV- Bicycles																	PHV - Pedestrians				
Northbound				Southbound				Eastbound				Westbound					in Crosswalk				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**	NB	SB	EB	WB	**Sum**
1	1	0	0	0	0	0	0	0	0	3	0	0	0	0	0	5	0	0	0	5	5

All Vehicle Volumes																		
	Northbound				Southbound				Eastbound				Westbound					
	SW Kelly St				SW Corbett St				SW Kelly St				SW Macadam Blvd				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
07:00:00 AM	118	0	0	0	0	0	0	0	0	0	8	0	0	41	2	0		
07:05:00 AM	130	0	0	0	0	0	0	0	0	0	8	0	0	44	3	0		
07:10:00 AM	119	0	0	0	0	0	0	0	0	0	9	0	0	43	3	0	528	
07:15:00 AM	116	0	0	0	0	0	0	0	0	0	6	0	0	49	5	0	535	
07:20:00 AM	103	0	0	0	0	0	0	0	0	0	5	0	0	56	7	0	521	
07:25:00 AM	113	0	0	0	0	0	0	0	0	0	9	0	0	54	9	0	532	
07:30:00 AM	108	0	0	0	0	0	0	0	0	0	11	0	0	39	8	0	522	
07:35:00 AM	100	0	0	0	0	0	0	0	0	0	12	0	0	45	13	0	521	
07:40:00 AM	87	0	0	0	0	0	0	0	0	0	12	0	0	41	10	0	486	
07:45:00 AM	106	0	0	0	0	0	0	0	0	0	8	0	0	57	14	0	505	
07:50:00 AM	94	0	0	0	0	0	0	0	0	0	15	0	0	49	15	0	508	
07:55:00 AM	87	0	0	0	0	0	0	0	0	0	17	0	0	43	16	0	521	2067
08:00:00 AM	81	0	0	0	0	0	0	0	0	0	24	0	0	48	6	0	495	2057
08:05:00 AM	106	0	0	0	0	0	0	0	0	0	12	0	0	54	8	0	502	2052
08:10:00 AM	71	0	0	0	0	0	0	0	0	0	10	0	0	41	10	0	471	2010
08:15:00 AM	98	0	0	0	0	0	0	0	0	0	9	0	0	37	11	0	467	1989
08:20:00 AM	110	0	0	0	0	0	0	0	0	0	7	0	0	32	7	0	443	1974
08:25:00 AM	102	0	0	0	0	0	0	0	0	0	13	0	0	50	8	0	484	1962
08:30:00 AM	132	0	0	0	0	0	0	0	0	0	8	0	0	64	5	0	538	2005
08:35:00 AM	122	0	0	0	0	0	0	0	0	0	5	0	0	62	7	0	578	2031
08:40:00 AM	104	0	0	0	0	0	0	0	0	0	12	0	0	41	7	0	569	2045
08:45:00 AM	103	0	0	0	0	0	0	0	0	0	3	0	0	43	6	0	515	2015
08:50:00 AM	110	0	0	0	0	0	0	0	0	0	14	0	0	43	11	0	497	2020
08:55:00 AM	98	0	0	0	0	0	0	0	0	0	9	0	0	39	6	0	485	2009

Study Name	Naito at Porter
Start Date	10/24/2018
Start Time	7:00 AM
Site Code	

Location 45.501524 -122.678

Lights

	Northbound						Southbound			Southbound						Westbound			Northbound			Southbound		
	Naito Pkwy						Naito Pkwy			Ross Island Way						Porter St			Naito Frontage			Naito Frontage		
Start Time	Left	Thru	Right to Fro	Right to Po	Right to Fro	U-Turn	Thru	Right	U-Turn	Left	Bear Left	Thru	Bear Right	Right	U-Turn	Left to Fror	Right to Fro	U-Turn	Thru to Fro	Right to Po	U-Turn	Left to Port	Thru to Fro	U-Turn
7:00 AM	0	26	0	1	0	0	9	0	0	0	0	47	0	0	0	0	1	0	0	0	0	0	0	0
7:05 AM	0	25	1	2	0	0	12	0	0	0	0	59	0	0	0	0	0	0	0	0	0	0	0	0
7:10 AM	0	31	0	1	0	0	11	0	0	0	0	78	0	0	0	0	1	0	0	0	0	0	0	0
7:15 AM	0	33	0	0	0	0	10	0	0	0	0	69	0	0	0	0	2	0	0	0	0	1	0	0
7:20 AM	0	43	1	3	0	0	17	0	0	0	0	48	0	0	0	0	5	0	0	0	0	0	0	0
7:25 AM	0	40	2	3	0	0	8	0	0	0	0	68	0	0	0	0	1	0	0	0	0	1	0	0
7:30 AM	0	36	5	0	0	0	7	0	0	0	0	72	0	0	0	0	2	0	0	0	0	1	0	0
7:35 AM	0	27	4	1	0	0	11	0	0	0	0	92	0	0	0	0	2	1	0	0	0	0	0	0
7:40 AM	0	34	3	7	0	0	9	0	0	0	0	82	0	0	0	1	1	0	0	1	0	0	0	0
7:45 AM	0	37	8	2	0	0	15	0	0	0	0	98	0	0	0	0	6	0	1	0	0	0	0	0
7:50 AM	0	33	5	3	0	0	18	0	0	0	0	77	0	0	0	0	3	1	0	0	0	0	0	0
7:55 AM	0	44	4	9	0	0	14	0	0	0	0	78	0	0	0	1	5	0	0	0	0	1	0	0
8:00 AM	0	41	1	6	0	0	16	0	0	0	0	77	0	0	0	1	4	0	0	2	0	0	0	0
8:05 AM	0	38	2	1	0	0	9	0	0	0	0	76	0	0	0	0	3	0	0	0	0	0	0	0
8:10 AM	0	20	2	3	0	0	18	0	0	0	0	73	0	0	0	0	4	0	0	0	0	1	0	0
8:15 AM	0	25	1	0	0	0	14	0	0	0	0	100	0	0	0	0	2	0	0	0	0	0	0	0
8:20 AM	0	52	1	1	0	0	21	0	0	0	0	58	0	0	0	0	2	0	0	0	0	0	0	0
8:25 AM	0	33	3	3	0	0	9	0	0	0	0	64	0	0	0	0	3	0	0	0	0	0	0	0
8:30 AM	0	28	6	2	0	0	18	0	0	0	0	81	0	0	0	0	1	0	0	0	0	0	0	0
8:35 AM	0	35	1	4	0	0	19	0	0	0	0	67	0	0	0	0	2	0	0	0	0	1	0	0
8:40 AM	0	35	2	3	1	0	21	0	0	0	0	68	0	0	0	0	4	0	1	0	0	0	0	0
8:45 AM	0	36	2	2	0	0	13	0	0	0	0	72	0	0	0	0	3	0	0	0	0	0	0	0
8:50 AM	0	24	1	3	0	0	12	0	0	0	0	68	0	0	0	0	4	0	1	0	0	0	0	0
8:55 AM	0	22	4	1	0	0	12	0	0	0	0	67	0	0	0	0	1	0	0	0	0	1	0	0

Other Vehicles

	Northbound						Southbound			Southbound						Westbound			Northbound			Southbound		
	Naito Pkwy						Naito Pkwy			Ross Island Way						Porter St			Naito Frontage			Naito Frontage		
Start Time	Left	Thru	Right to Fro	Right to Po	Right to Fro	U-Turn	Thru	Right	U-Turn	Left	Bear Left	Thru	Bear Right	Right	U-Turn	Left to Fror	Right to Fro	U-Turn	Thru to Fro	Right to Po	U-Turn	Left to Port	Thru to Fro	U-Turn
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
7:05 AM	0	2	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0
7:10 AM	0	4	0	0	0	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
7:20 AM	0	1	1	1	0	0	2	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0
7:25 AM	0	1	0	0	0	0	0	0	0	0	0	7	0	0	0	0	1	0	0	0	0	0	0	0
7:30 AM	0	3	0	0	0	0	3	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0
7:35 AM	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:40 AM	0	4	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	1	0	0	0	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
7:50 AM	0	0	0	0	0	0	2	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0
7:55 AM	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
8:00 AM	0	1	0	0	0	0	1	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0
8:05 AM	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
8:10 AM	0	1	0	0	0	0	2	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	3	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0
8:20 AM	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
8:25 AM	0	0	0	0	0	0	2	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	1	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0
8:35 AM	0	0	0	0	0	0	2	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0
8:40 AM	0	2	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	2	0	0	0	0	2	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0
8:50 AM	0	1	0	0	0	0	2	0	0	0	0	3	0	0	0	0	1	0	0	0	0	0	0	0
8:55 AM	0	0	0	0	0	0	1	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0

Bicycles on Road

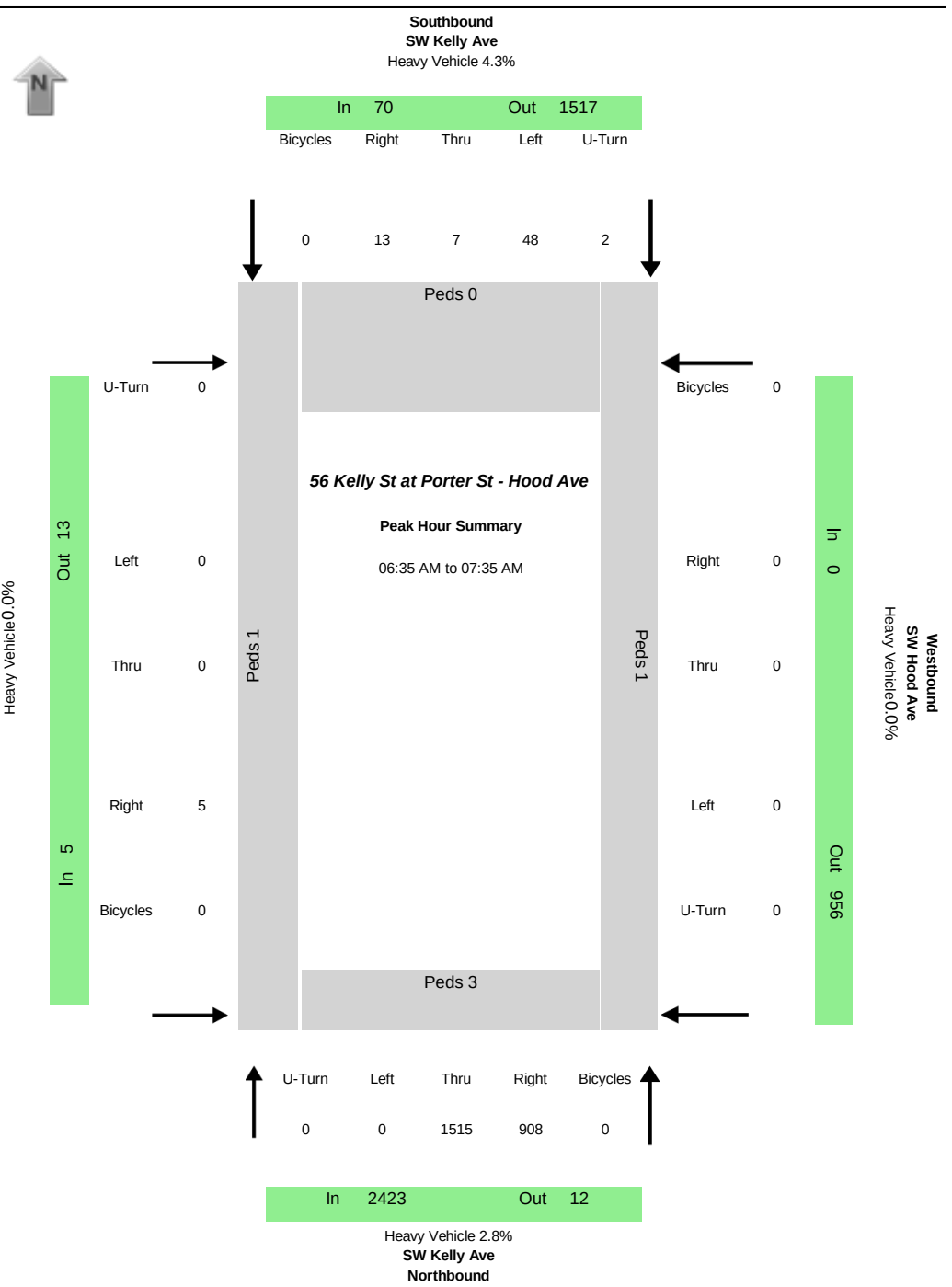
	Northbound						Southbound			Southbound						Westbound			Northbound			Southbound		
	Naito Pkwy						Naito Pkwy			Ross Island Way						Porter St			Naito Frontage			Naito Frontage		
Start Time	Left	Thru	Right to Fro	Right to Po	Right to Fro	U-Turn	Thru	Right	U-Turn	Left	Bear Left	Thru	Bear Right	Right	U-Turn	Left to Fron	Right to Fro	U-Turn	Thru to Fro	Right to Po	U-Turn	Left to Port	Thru to Fro	U-Turn
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:05 AM	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:10 AM	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:20 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:25 AM	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
7:35 AM	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:40 AM	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:50 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:55 AM	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:05 AM	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:10 AM	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:20 AM	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:25 AM	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:35 AM	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:40 AM	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:50 AM	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:55 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

All Pedestrians

	Northbound		Southbound		Southbound		Westbound		Northbound		Southbound	
	Naito Pkwy		Naito Pkwy		Ross Island Way		Porter St		Naito Frontage		Naito Frontage	
Start Time	Peds CCW	Peds CW	Peds CCW	Peds CW	Peds CCW	Peds CW	Peds CCW	Peds CW	Peds CCW	Peds CW	Peds CCW	Peds CW
7:00 AM	0	0	0	0	0	0	1	0	1	0	0	0
7:05 AM	0	0	0	0	0	0	0	0	0	0	0	0
7:10 AM	0	0	0	0	0	0	0	0	1	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0
7:20 AM	0	0	0	0	0	0	0	0	0	0	0	0
7:25 AM	0	0	0	0	0	0	0	0	1	0	1	0
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0
7:35 AM	0	0	0	0	0	0	0	1	0	0	0	0
7:40 AM	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0
7:50 AM	0	0	0	0	0	0	0	0	0	0	0	0
7:55 AM	0	0	0	0	0	0	0	0	1	1	0	1
8:00 AM	0	0	0	0	0	0	0	0	0	1	0	2
8:05 AM	0	0	0	0	0	0	0	0	0	0	0	0
8:10 AM	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0
8:20 AM	0	0	0	0	0	0	0	0	0	0	0	0
8:25 AM	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0
8:35 AM	0	0	0	0	0	0	0	0	0	0	0	0
8:40 AM	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	0	0	0	0	0	0	1	0	0	0	1
8:50 AM	0	0	0	0	0	0	0	0	0	0	0	0
8:55 AM	0	0	0	0	0	0	0	0	0	0	0	1

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW Kelly Ave*
E/W street	*SW Porter St*
City, State	Portland OR
Site Notes	
Location	45.501406 - -122.675406
Start Date	Wednesday, October 24, 2018
Start Time	06:00:00 AM
Weather	
Study ID #	
Peak Hour Start	06:35:00 AM
Peak 15 Min Start	06:40:00 AM
PHF (15-Min Int)	0.94



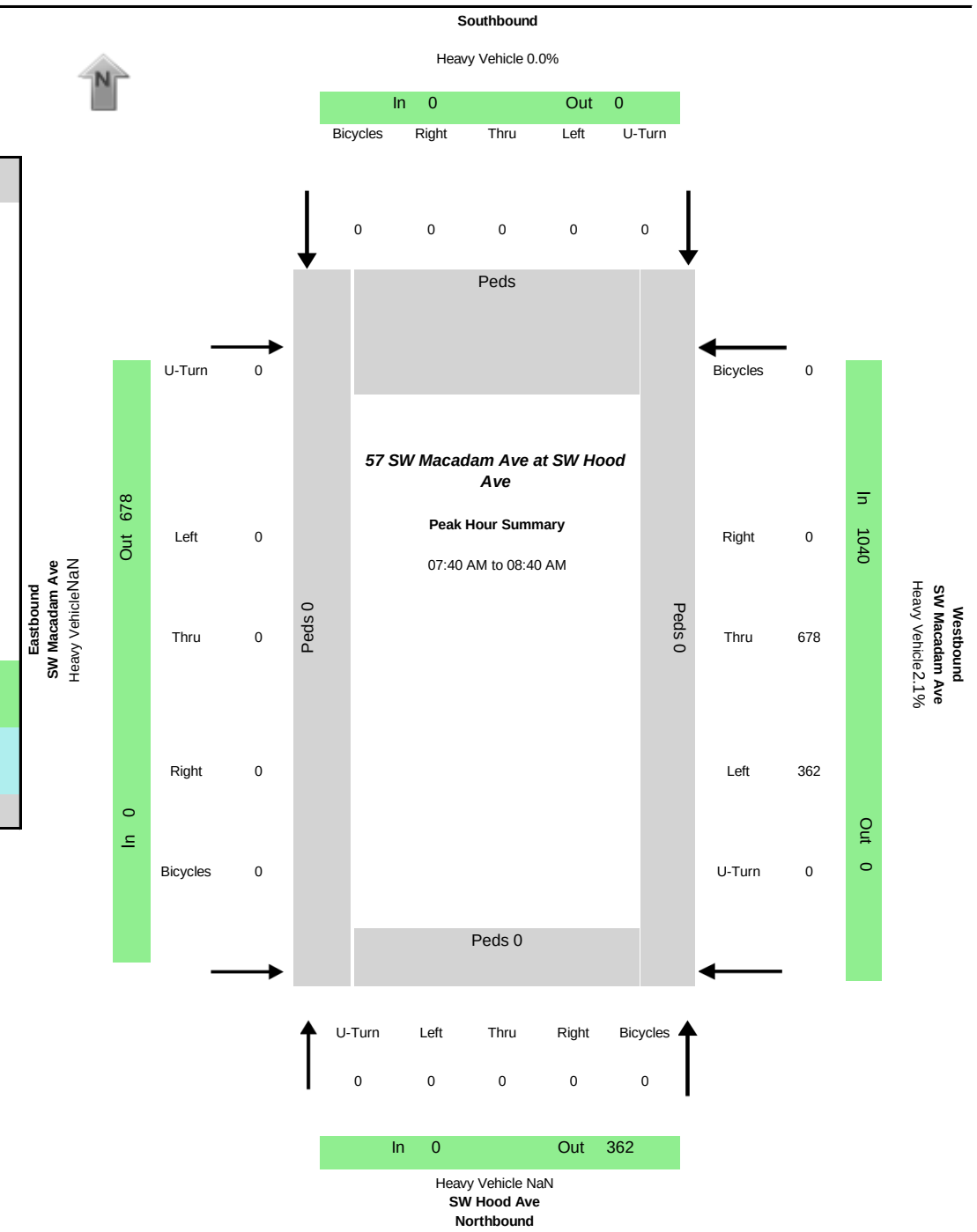
Peak-Hour Volumes (PHV)																							
Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
0	1515	908	0	48	7	13	2	0	0	5	0	0	0	0	0	2423	70	5	0	12	1517	13	956
Percent Heavy Vehicles																							
0.0%	2.4%	3.6%	0.0%	6.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.8%	4.3%	0.0%	0.0%	0.0%	2.4%	0.0%	3.8%

PHV- Bicycles																	PHV - Pedestrians				
Northbound				Southbound				Eastbound				Westbound					in Crosswalk				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**	NB	SB	EB	WB	**Sum**
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	1	1	5

All Vehicle Volumes																		
	Northbound				Southbound				Eastbound				Westbound					
	SW Kelly Ave				SW Kelly Ave				SW Porter St				SW Hood Ave				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
06:00:00 AM	0	81	27	0	4	1	0	0	0	0	0	0	0	0	0	0		
06:05:00 AM	0	87	51	0	0	0	0	0	0	0	0	0	0	0	0	0		
06:10:00 AM	0	85	39	0	2	1	0	0	0	0	0	0	0	0	0	0	378	
06:15:00 AM	0	137	42	0	1	0	0	0	0	0	0	0	0	0	0	0	445	
06:20:00 AM	0	135	45	0	1	0	0	0	0	0	0	0	0	0	0	0	488	
06:25:00 AM	0	132	59	0	3	1	0	0	0	0	0	0	0	0	0	0	556	
06:30:00 AM	0	119	64	0	2	0	0	0	0	0	0	0	0	0	0	0	561	
06:35:00 AM	0	148	68	0	0	0	0	0	0	0	0	0	0	0	0	0	596	
06:40:00 AM	0	164	68	0	2	0	0	0	0	0	0	0	0	0	0	0	635	
06:45:00 AM	0	121	70	0	4	0	0	0	0	0	1	0	0	0	0	0	646	
06:50:00 AM	0	150	78	0	6	0	0	0	0	0	0	0	0	0	0	0	664	
06:55:00 AM	0	121	59	0	2	0	0	0	0	0	0	0	0	0	0	0	612	2181
07:00:00 AM	0	129	41	0	6	2	0	0	0	0	0	0	0	0	0	0	594	2246
07:05:00 AM	0	124	87	0	2	2	2	1	0	0	1	0	0	0	0	0	579	2327
07:10:00 AM	0	120	79	0	7	1	2	0	0	0	0	0	0	0	0	0	606	2409
07:15:00 AM	0	111	100	0	2	1	1	0	0	0	1	0	0	0	0	0	644	2445
07:20:00 AM	0	104	82	0	4	0	2	0	0	0	0	0	0	0	0	0	617	2456
07:25:00 AM	0	117	73	0	8	1	1	0	0	0	0	0	0	0	0	0	608	2461
07:30:00 AM	0	106	103	0	5	0	5	1	0	0	2	0	0	0	0	0	614	2498
07:35:00 AM	0	109	85	0	7	3	2	0	0	0	0	0	0	0	0	0	628	2488
07:40:00 AM	0	95	105	0	8	1	2	0	0	0	2	0	0	0	0	0	641	2467
07:45:00 AM	0	103	70	0	4	0	1	0	0	0	3	0	0	0	0	0	600	2452
07:50:00 AM	0	101	93	0	8	3	5	0	0	0	4	0	0	0	0	0	608	2432
07:55:00 AM	0	75	85	0	6	2	7	0	0	0	2	0	0	0	0	0	572	2427
08:00:00 AM	0	80	93	0	15	2	8	0	0	0	3	0	0	0	0	0	592	2450
08:05:00 AM	0	107	87	0	9	1	2	0	0	0	3	0	0	0	0	0	587	2440
08:10:00 AM	0	89	69	0	10	1	3	0	0	0	0	0	0	0	0	0	582	2403
08:15:00 AM	0	91	55	0	5	0	2	0	0	0	4	0	0	0	0	0	538	2344
08:20:00 AM	0	104	88	0	6	0	2	0	0	0	0	0	0	0	0	0	529	2352
08:25:00 AM	0	98	98	0	13	0	0	0	0	0	0	0	0	0	0	0	566	2361
08:30:00 AM	0	136	59	0	6	0	2	0	0	0	2	0	0	0	0	0	614	2344
08:35:00 AM	0	113	67	0	2	1	2	0	0	0	5	0	0	0	0	0	604	2328
08:40:00 AM	0	98	99	0	8	0	1	0	0	0	1	0	0	0	0	0	602	2322
08:45:00 AM	0	116	82	0	4	1	0	0	0	0	0	0	0	0	0	0	600	2344
08:50:00 AM	0	102	56	0	12	2	0	1	0	0	1	0	0	0	0	0	584	2304
08:55:00 AM	0	109	67	0	7	1	1	0	0	0	3	0	0	0	0	0	565	2315

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW Hood Ave*
E/W street	*SW Macadam Ave*
City, State	Portland OR
Site Notes	
Location	45.50164 - -122.67414
Start Date	Wednesday, October 24, 2018
Start Time	06:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:40:00 AM
Peak 15 Min Start	08:25:00 AM
PHF (15-Min Int)	0.91



Peak-Hour Volumes (PHV)

Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
0	0	0	0	0	0	0	0	0	0	0	0	362	678	0	0	0	0	0	1040	362	0	678	0

Percent Heavy Vehicles

0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.7%	2.4%	0.0%	0.0%	#DIV/0!	0.0%	#DIV/0!	2.1%	1.7%	0.0%	2.4%	0.0%

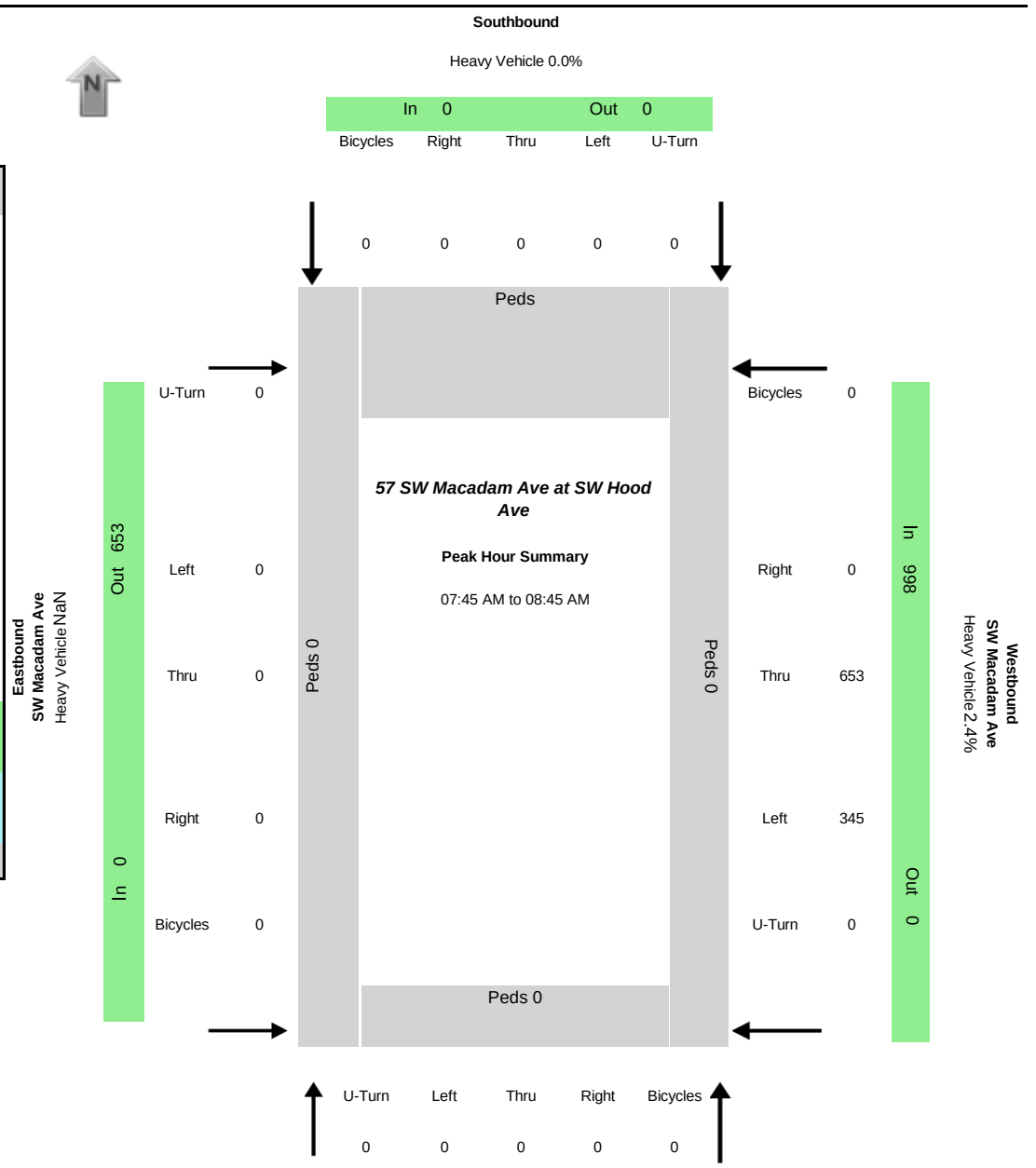
PHV- Bicycles																	PHV - Pedestrians				
Northbound				Southbound				Eastbound				Westbound					in Crosswalk				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**	NB	SB	EB	WB	**Sum**
0		0	0						0	0	0	0	0		0	0	0		0	0	0

All Vehicle Volumes

	Northbound				Southbound				Eastbound				Westbound					
	SW Hood Ave								SW Macadam Ave				SW Macadam Ave				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
06:00:00 AM	0		0	0						0	0	0	18	23		0		
06:05:00 AM	0		0	0						0	0	0	14	14		0		
06:10:00 AM	0		0	0						0	0	0	14	23		0	106	
06:15:00 AM	0		0	0						0	0	0	11	19		0	95	
06:20:00 AM	0		0	0						0	0	0	11	29		0	107	
06:25:00 AM	0		0	0						0	0	0	13	29		0	112	
06:30:00 AM	0		0	0						0	0	0	19	35		0	136	
06:35:00 AM	0		0	0						0	0	0	20	31		0	147	
06:40:00 AM	0		0	0						0	0	0	24	35		0	164	
06:45:00 AM	0		0	0						0	0	0	12	51		0	173	
06:50:00 AM	0		0	0						0	0	0	28	52		0	202	
06:55:00 AM	0		0	0						0	0	0	18	50		0	211	593
07:00:00 AM	0		0	0						0	0	0	21	47		0	216	620
07:05:00 AM	0		0	0						0	0	0	20	41		0	197	653
07:10:00 AM	0		0	0						0	0	0	15	42		0	186	673
07:15:00 AM	0		0	0						0	0	0	35	56		0	209	734
07:20:00 AM	0		0	0						0	0	0	17	56		0	221	767
07:25:00 AM	0		0	0						0	0	0	26	62		0	252	813
07:30:00 AM	0		0	0						0	0	0	21	48		0	230	828
07:35:00 AM	0		0	0						0	0	0	27	57		0	241	861
07:40:00 AM	0		0	0						0	0	0	29	65		0	247	896
07:45:00 AM	0		0	0						0	0	0	37	57		0	272	927
07:50:00 AM	0		0	0						0	0	0	28	55		0	271	930
07:55:00 AM	0		0	0						0	0	0	28	57		0	262	947
08:00:00 AM	0		0	0						0	0	0	23	58		0	249	960
08:05:00 AM	0		0	0						0	0	0	28	56		0	250	983
08:10:00 AM	0		0	0						0	0	0	22	62		0	249	1010
08:15:00 AM	0		0	0						0	0	0	40	35		0	243	994
08:20:00 AM	0		0	0						0	0	0	36	39		0	234	996
08:25:00 AM	0		0	0						0	0	0	35	58		0	243	1001
08:30:00 AM	0		0	0						0	0	0	29	72		0	269	1033
08:35:00 AM	0		0	0						0	0	0	27	64		0	285	1040
08:40:00 AM	0		0	0						0	0	0	29	55		0	276	1030
08:45:00 AM	0		0	0						0	0	0	14	55		0	244	1005
08:50:00 AM	0		0	0						0	0	0	16	45		0	214	983
08:55:00 AM	0		0	0						0	0	0	29	50		0	209	977

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW Hood Ave*
E/W street	*SW Macadam Ave*
City, State	Portland OR
Site Notes	
Location	45.50164 - -122.67414
Start Date	Tuesday, October 30, 2018
Start Time	07:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:45:00 AM
Peak 15 Min Start	08:20:00 AM
PHF (15-Min Int)	0.92



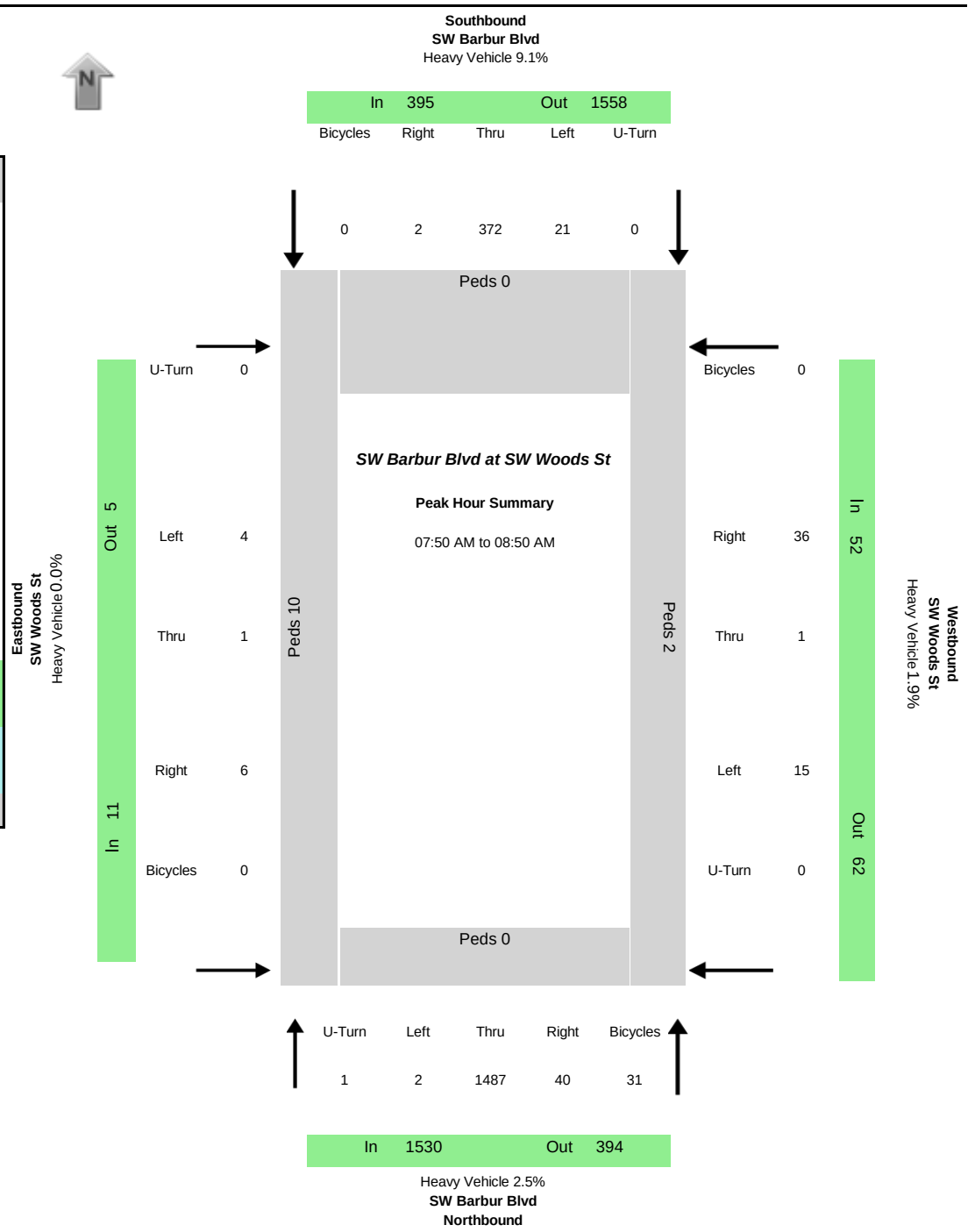
Peak-Hour Volumes (PHV)																							
Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
0	0	0	0	0	0	0	0	0	0	0	0	345	653	0	0	0	0	0	998	345	0	653	0
Percent Heavy Vehicles																							
0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.2%	2.0%	0.0%	0.0%	#DIV/0!	0.0%	#DIV/0!	2.4%	3.2%	0.0%	2.0%	0.0%

PHV- Bicycles																	PHV - Pedestrians				
Northbound				Southbound				Eastbound				Westbound					in Crosswalk				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	NB	SB	EB	WB	Sum
0		0	0						0	0	0	0	0		0	0	0		0	0	0

All Vehicle Volumes																		
	Northbound				Southbound				Eastbound				Westbound					
	SW Hood Ave								SW Macadam Ave				SW Macadam Ave				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
07:00:00 AM	0		0	0						0	0	0	24	42		0		
07:05:00 AM	0		0	0						0	0	0	13	51		0		
07:10:00 AM	0		0	0						0	0	0	28	50		0	208	
07:15:00 AM	0		0	0						0	0	0	22	59		0	223	
07:20:00 AM	0		0	0						0	0	0	28	44		0	231	
07:25:00 AM	0		0	0						0	0	0	19	51		0	223	
07:30:00 AM	0		0	0						0	0	0	35	63		0	240	
07:35:00 AM	0		0	0						0	0	0	26	56		0	250	
07:40:00 AM	0		0	0						0	0	0	25	54		0	259	
07:45:00 AM	0		0	0						0	0	0	31	68		0	260	
07:50:00 AM	0		0	0						0	0	0	23	56		0	257	
07:55:00 AM	0		0	0						0	0	0	18	59		0	255	945
08:00:00 AM	0		0	0						0	0	0	36	55		0	247	970
08:05:00 AM	0		0	0						0	0	0	23	48		0	239	977
08:10:00 AM	0		0	0						0	0	0	24	44		0	230	967
08:15:00 AM	0		0	0						0	0	0	33	40		0	212	959
08:20:00 AM	0		0	0						0	0	0	29	55		0	225	971
08:25:00 AM	0		0	0						0	0	0	35	51		0	243	987
08:30:00 AM	0		0	0						0	0	0	27	74		0	271	990
08:35:00 AM	0		0	0						0	0	0	27	54		0	268	989
08:40:00 AM	0		0	0						0	0	0	39	49		0	270	998
08:45:00 AM	0		0	0						0	0	0	29	55		0	253	983
08:50:00 AM	0		0	0						0	0	0	29	56		0	257	989
08:55:00 AM	0		0	0						0	0	0	30	42		0	241	984

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW Barbur Blvd*
E/W street	*SW Woods St*
City, State	Portland OR
Site Notes	
Location	45.500844 - -122.680942
Start Date	Tuesday, October 23, 2018
Start Time	07:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:50:00 AM
Peak 15 Min Start	08:25:00 AM
PHF (15-Min Int)	0.91



Peak-Hour Volumes (PHV)																							
Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
2	1487	40	1	21	372	2	0	4	1	6	0	15	1	36	0	1530	395	11	52	394	1527	5	62
Percent Heavy Vehicles																							
50.0%	2.6%	0.0%	0.0%	4.8%	9.1%	50.0%	0.0%	0.0%	0.0%	0.0%	0.0%	6.7%	0.0%	0.0%	0.0%	2.5%	9.1%	0.0%	1.9%	8.9%	2.5%	40.0%	1.6%

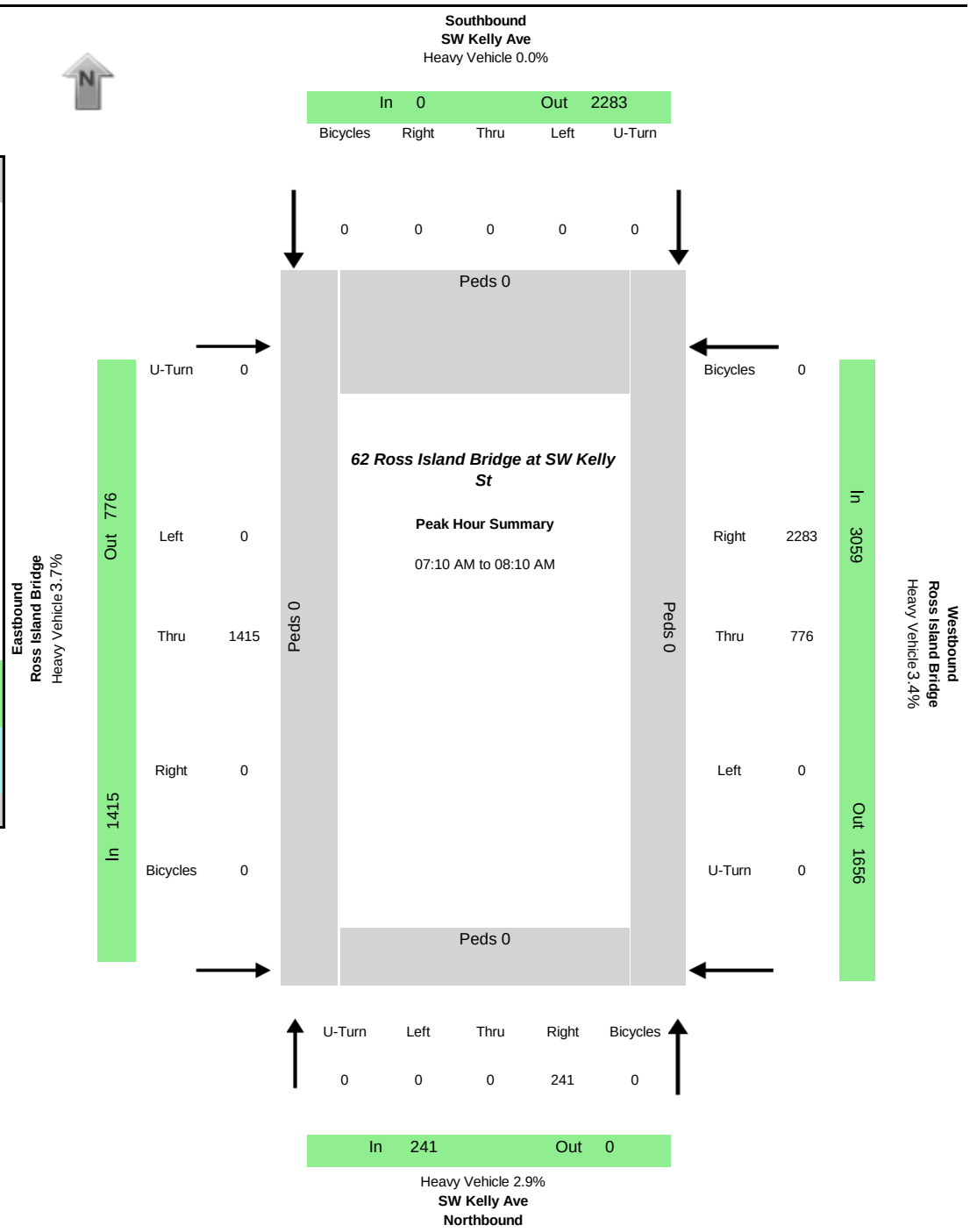
PHV- Bicycles																	PHV - Pedestrians				
Northbound				Southbound				Eastbound				Westbound					in Crosswalk				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**	NB	SB	EB	WB	**Sum**
0	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	0	0	10	2	12

All Vehicle Volumes

	Northbound				Southbound				Eastbound				Westbound					
	SW Barbur Blvd				SW Barbur Blvd				SW Woods St				SW Woods St				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
07:00:00 AM	0	69	1	0	2	11	0	0	0	0	0	0	1	0	3	0		
07:05:00 AM	0	64	0	0	0	10	0	0	0	0	0	0	0	0	1	0		
07:10:00 AM	0	55	3	0	0	15	0	0	0	0	0	0	0	0	1	0	236	
07:15:00 AM	0	110	2	0	3	11	0	0	0	0	0	0	1	0	2	0	278	
07:20:00 AM	0	92	2	0	0	4	0	0	2	0	0	0	0	0	2	0	305	
07:25:00 AM	0	92	2	0	1	14	0	0	0	0	0	0	0	0	4	0	344	
07:30:00 AM	0	138	1	0	1	16	0	0	0	0	0	0	0	0	2	0	373	
07:35:00 AM	0	128	1	0	0	20	0	0	0	0	0	0	0	0	3	0	423	
07:40:00 AM	0	105	0	0	2	17	0	0	0	0	0	0	0	0	1	0	435	
07:45:00 AM	0	113	5	0	1	16	0	0	0	0	0	0	0	0	1	0	413	
07:50:00 AM	0	152	3	0	1	15	0	0	3	0	1	0	0	0	3	0	439	
07:55:00 AM	1	137	4	0	2	25	0	0	1	0	1	0	0	0	2	0	487	1502
08:00:00 AM	0	100	6	0	4	18	0	0	0	0	2	0	1	0	4	0	486	1550
08:05:00 AM	0	119	6	1	3	18	0	0	0	0	0	0	1	0	0	0	456	1623
08:10:00 AM	0	137	3	0	2	37	1	0	0	0	1	0	3	0	4	0	471	1737
08:15:00 AM	0	117	2	0	2	27	0	0	0	0	0	0	3	1	3	0	491	1763
08:20:00 AM	0	110	3	0	2	29	0	0	0	0	0	0	2	0	5	0	494	1812
08:25:00 AM	0	146	2	0	2	39	0	0	0	0	0	0	2	0	4	0	501	1894
08:30:00 AM	0	132	3	0	1	39	0	0	0	0	1	0	1	0	4	0	527	1917
08:35:00 AM	0	114	5	0	2	47	0	0	0	0	0	0	0	0	3	0	547	1936
08:40:00 AM	1	100	2	0	0	45	1	0	0	1	0	0	1	0	2	0	505	1964
08:45:00 AM	0	123	1	0	0	33	0	0	0	0	0	0	1	0	2	0	484	1988
08:50:00 AM	0	114	0	0	1	35	0	0	0	0	0	0	1	0	2	0	466	1963
08:55:00 AM	0	86	2	0	1	27	0	0	0	0	0	0	0	0	2	0	431	1908

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW Kelly Ave*
E/W street	*Ross Island Bridge*
City, State	Portland OR
Site Notes	
Location	45.500469 - -122.674522
Start Date	Wednesday, October 24, 2018
Start Time	07:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:10:00 AM
Peak 15 Min Start	07:35:00 AM
PHF (15-Min Int)	0.96



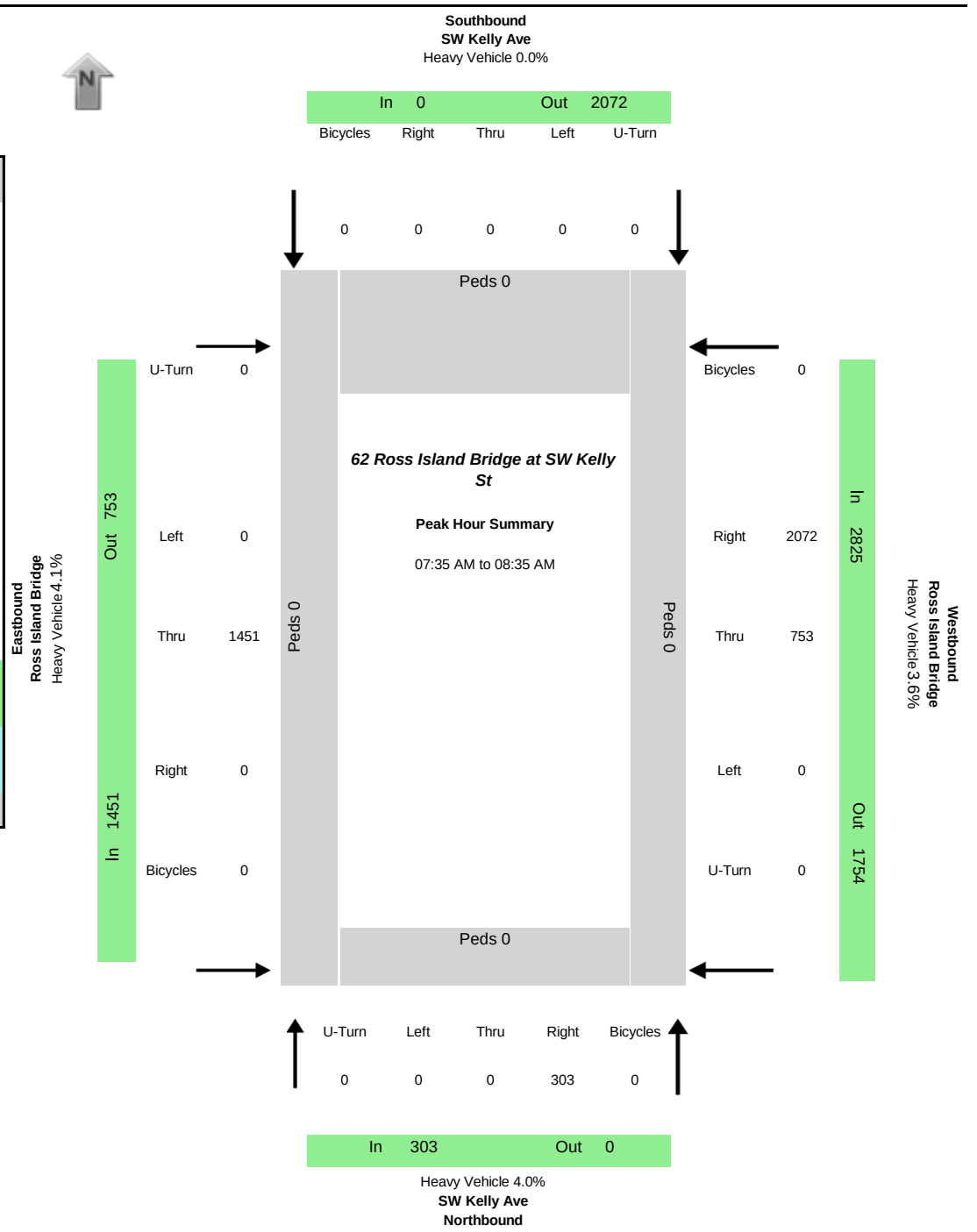
Peak-Hour Volumes (PHV)																							
Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
0	0	241	0	0	0	0	0	0	1415	0	0	0	776	2283	0	241	0	1415	3059	0	2283	776	1656
Percent Heavy Vehicles																							
0.0%	0.0%	2.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.7%	0.0%	0.0%	0.0%	1.4%	4.0%	0.0%	2.9%	0.0%	3.7%	3.4%	#DIV/0!	4.0%	1.4%	3.6%

PHV- Bicycles																	PHV - Pedestrians				
Northbound				Southbound				Eastbound				Westbound					in Crosswalk				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**	NB	SB	EB	WB	**Sum**
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

All Vehicle Volumes																		
	Northbound				Southbound				Eastbound				Westbound					
	SW Kelly Ave				SW Kelly Ave				Ross Island Bridge				Ross Island Bridge				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
07:00:00 AM	0	0	17	0	0	0	0	0	0	82	0	0	0	33	170	0		
07:05:00 AM	0	0	14	0	0	0	0	0	0	91	0	0	0	60	211	0		
07:10:00 AM	0	0	11	0	0	0	0	0	0	93	0	0	0	80	199	0	1061	
07:15:00 AM	0	0	12	0	0	0	0	0	0	109	0	0	0	73	211	0	1164	
07:20:00 AM	0	0	15	0	0	0	0	0	0	103	0	0	0	66	186	0	1158	
07:25:00 AM	0	0	13	0	0	0	0	0	0	101	0	0	0	62	190	0	1141	
07:30:00 AM	0	0	19	0	0	0	0	0	0	119	0	0	0	54	209	0	1137	
07:35:00 AM	0	0	21	0	0	0	0	0	0	130	0	0	0	55	194	0	1167	
07:40:00 AM	0	0	28	0	0	0	0	0	0	118	0	0	0	54	200	0	1201	
07:45:00 AM	0	0	29	0	0	0	0	0	0	149	0	0	0	73	173	0	1224	
07:50:00 AM	0	0	24	0	0	0	0	0	0	119	0	0	0	55	194	0	1216	
07:55:00 AM	0	0	27	0	0	0	0	0	0	122	0	0	0	67	160	0	1192	4595
08:00:00 AM	0	0	19	0	0	0	0	0	0	121	0	0	0	63	173	0	1144	4669
08:05:00 AM	0	0	23	0	0	0	0	0	0	131	0	0	0	74	194	0	1174	4715
08:10:00 AM	0	0	26	0	0	0	0	0	0	106	0	0	0	72	158	0	1160	4694
08:15:00 AM	0	0	29	0	0	0	0	0	0	132	0	0	0	62	146	0	1153	4658
08:20:00 AM	0	0	29	0	0	0	0	0	0	97	0	0	0	53	192	0	1102	4659
08:25:00 AM	0	0	26	0	0	0	0	0	0	115	0	0	0	55	196	0	1132	4685
08:30:00 AM	0	0	22	0	0	0	0	0	0	111	0	0	0	70	195	0	1161	4682
08:35:00 AM	0	0	23	0	0	0	0	0	0	104	0	0	0	59	180	0	1156	4648
08:40:00 AM	0	0	25	0	0	0	0	0	0	118	0	0	0	76	197	0	1180	4664
08:45:00 AM	0	0	21	0	0	0	0	0	0	99	0	0	0	65	198	0	1165	4623
08:50:00 AM	0	0	11	0	0	0	0	0	0	120	0	0	0	49	158	0	1137	4569
08:55:00 AM	0	0	21	0	0	0	0	0	0	103	0	0	0	64	176	0	1085	4557

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW Kelly Ave*
E/W street	*Ross Island Bridge*
City, State	Portland OR
Site Notes	
Location	45.500469 - -122.674522
Start Date	Wednesday, October 24, 2018
Start Time	07:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:35:00 AM
Peak 15 Min Start	07:40:00 AM
PHF (15-Min Int)	0.96



Peak-Hour Volumes (PHV)

Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
0	0	303	0	0	0	0	0	0	1451	0	0	0	753	2072	0	303	0	1451	2825	0	2072	753	1754
Percent Heavy Vehicles																							
0.0%	0.0%	4.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.1%	0.0%	0.0%	0.0%	2.3%	4.1%	0.0%	4.0%	0.0%	4.1%	3.6%	#DIV/0!	4.1%	2.3%	4.1%

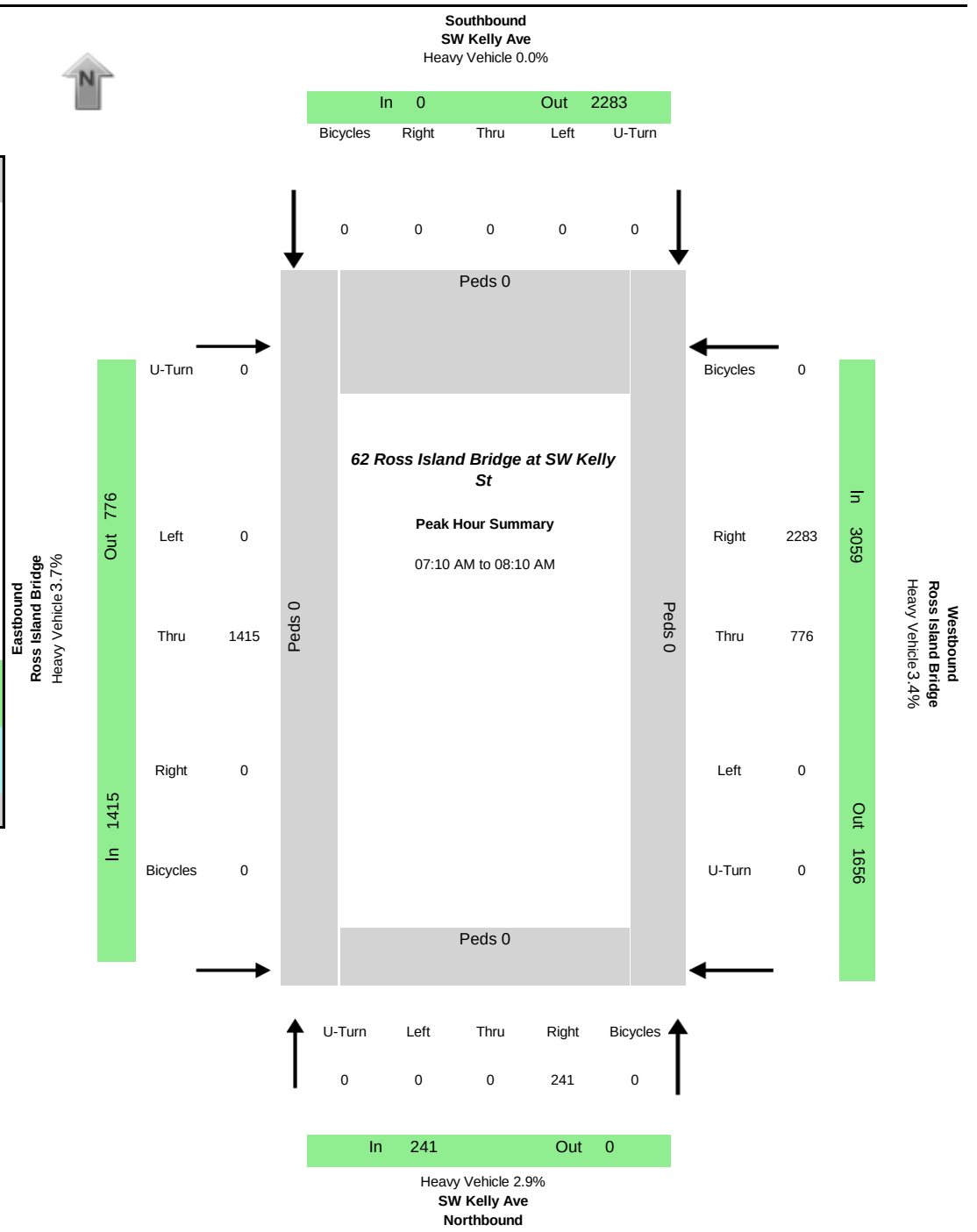
PHV- Bicycles																	PHV - Pedestrians				
Northbound				Southbound				Eastbound				Westbound					in Crosswalk				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	NB	SB	EB	WB	Sum
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

All Vehicle Volumes

	Northbound				Southbound				Eastbound				Westbound					
	SW Kelly Ave				SW Kelly Ave				Ross Island Bridge				Ross Island Bridge				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
07:00:00 AM	0	0	17	0	0	0	0	0	0	82	0	0	0	33	150	0		
07:05:00 AM	0	0	14	0	0	0	0	0	0	91	0	0	0	60	186	0		
07:10:00 AM	0	0	11	0	0	0	0	0	0	93	0	0	0	80	188	0	1005	
07:15:00 AM	0	0	12	0	0	0	0	0	0	109	0	0	0	73	185	0	1102	
07:20:00 AM	0	0	15	0	0	0	0	0	0	103	0	0	0	66	177	0	1112	
07:25:00 AM	0	0	13	0	0	0	0	0	0	101	0	0	0	62	173	0	1089	
07:30:00 AM	0	0	19	0	0	0	0	0	0	119	0	0	0	54	185	0	1087	
07:35:00 AM	0	0	21	0	0	0	0	0	0	130	0	0	0	55	172	0	1104	
07:40:00 AM	0	0	28	0	0	0	0	0	0	118	0	0	0	54	200	0	1155	
07:45:00 AM	0	0	29	0	0	0	0	0	0	149	0	0	0	73	149	0	1178	
07:50:00 AM	0	0	24	0	0	0	0	0	0	119	0	0	0	55	189	0	1187	
07:55:00 AM	0	0	27	0	0	0	0	0	0	122	0	0	0	67	164	0	1167	4416
08:00:00 AM	0	0	19	0	0	0	0	0	0	121	0	0	0	63	167	0	1137	4504
08:05:00 AM	0	0	23	0	0	0	0	0	0	131	0	0	0	74	181	0	1159	4562
08:10:00 AM	0	0	26	0	0	0	0	0	0	106	0	0	0	72	159	0	1142	4553
08:15:00 AM	0	0	29	0	0	0	0	0	0	132	0	0	0	62	129	0	1124	4526
08:20:00 AM	0	0	29	0	0	0	0	0	0	97	0	0	0	53	175	0	1069	4519
08:25:00 AM	0	0	26	0	0	0	0	0	0	115	0	0	0	55	188	0	1090	4554
08:30:00 AM	0	0	22	0	0	0	0	0	0	111	0	0	0	70	199	0	1140	4579
08:35:00 AM	0	0	23	0	0	0	0	0	0	104	0	0	0	59	161	0	1133	4548
08:40:00 AM	0	0	25	0	0	0	0	0	0	118	0	0	0	76	179	0	1147	4546
08:45:00 AM	0	0	21	0	0	0	0	0	0	99	0	0	0	65	199	0	1129	4530
08:50:00 AM	0	0	11	0	0	0	0	0	0	120	0	0	0	49	150	0	1112	4473
08:55:00 AM	0	0	21	0	0	0	0	0	0	103	0	0	0	64	155	0	1057	4436

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW Kelly Ave*
E/W street	*Ross Island Bridge*
City, State	Portland OR
Site Notes	
Location	45.500469 - -122.674522
Start Date	Wednesday, October 24, 2018
Start Time	07:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:10:00 AM
Peak 15 Min Start	07:35:00 AM
PHF (15-Min Int)	0.96



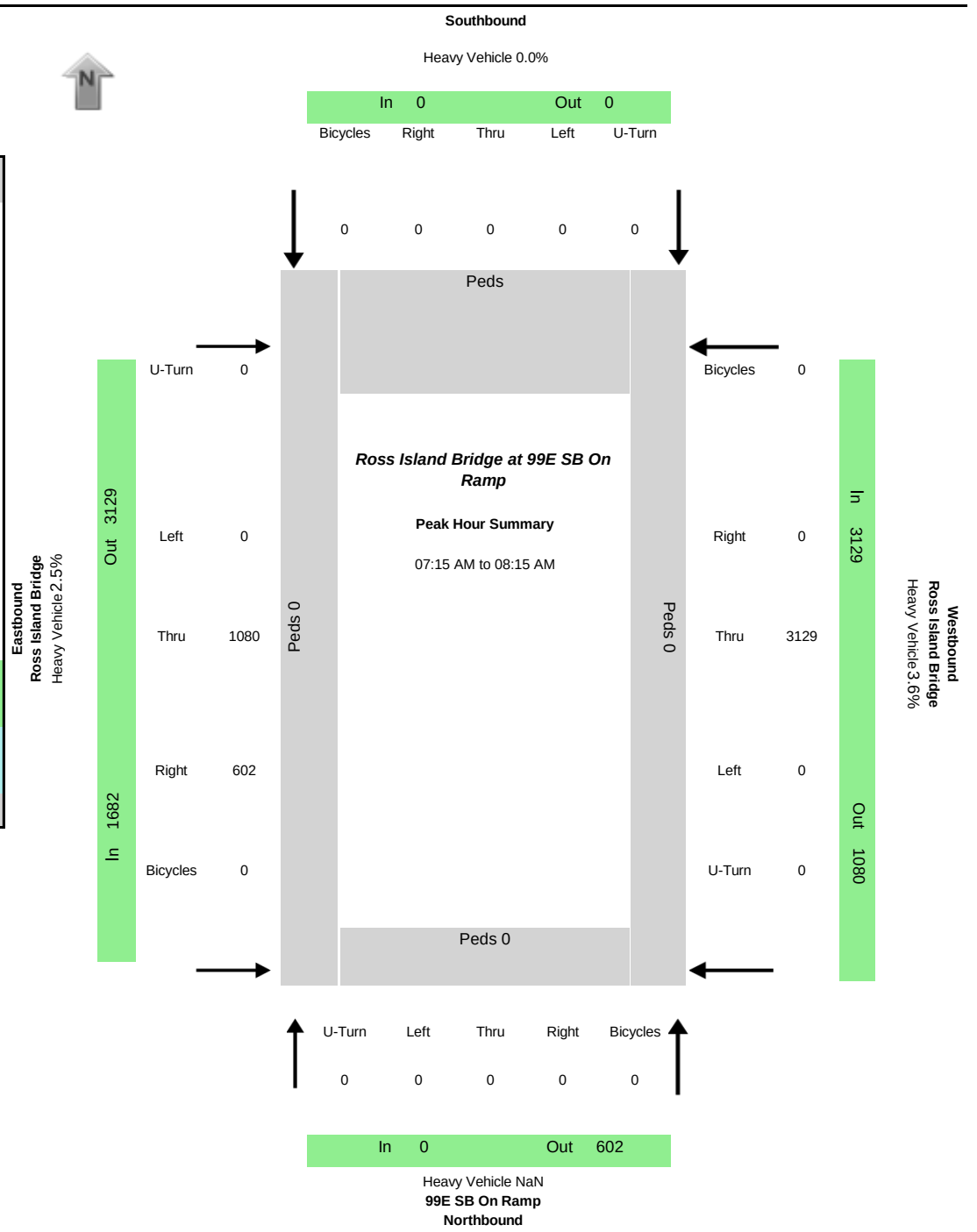
Peak-Hour Volumes (PHV)																							
Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
0	0	241	0	0	0	0	0	0	1415	0	0	0	776	2283	0	241	0	1415	3059	0	2283	776	1656
Percent Heavy Vehicles																							
0.0%	0.0%	2.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.7%	0.0%	0.0%	0.0%	1.4%	4.0%	0.0%	2.9%	0.0%	3.7%	3.4%	#DIV/0!	4.0%	1.4%	3.6%

PHV- Bicycles																	PHV - Pedestrians				
Northbound				Southbound				Eastbound				Westbound					in Crosswalk				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**	NB	SB	EB	WB	**Sum**
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

All Vehicle Volumes																		
	Northbound				Southbound				Eastbound				Westbound					
	SW Kelly Ave				SW Kelly Ave				Ross Island Bridge				Ross Island Bridge				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
07:00:00 AM	0	0	17	0	0	0	0	0	0	82	0	0	0	33	170	0		
07:05:00 AM	0	0	14	0	0	0	0	0	0	91	0	0	0	60	211	0		
07:10:00 AM	0	0	11	0	0	0	0	0	0	93	0	0	0	80	199	0	1061	
07:15:00 AM	0	0	12	0	0	0	0	0	0	109	0	0	0	73	211	0	1164	
07:20:00 AM	0	0	15	0	0	0	0	0	0	103	0	0	0	66	186	0	1158	
07:25:00 AM	0	0	13	0	0	0	0	0	0	101	0	0	0	62	190	0	1141	
07:30:00 AM	0	0	19	0	0	0	0	0	0	119	0	0	0	54	209	0	1137	
07:35:00 AM	0	0	21	0	0	0	0	0	0	130	0	0	0	55	194	0	1167	
07:40:00 AM	0	0	28	0	0	0	0	0	0	118	0	0	0	54	200	0	1201	
07:45:00 AM	0	0	29	0	0	0	0	0	0	149	0	0	0	73	173	0	1224	
07:50:00 AM	0	0	24	0	0	0	0	0	0	119	0	0	0	55	194	0	1216	
07:55:00 AM	0	0	27	0	0	0	0	0	0	122	0	0	0	67	160	0	1192	4595
08:00:00 AM	0	0	19	0	0	0	0	0	0	121	0	0	0	63	173	0	1144	4669
08:05:00 AM	0	0	23	0	0	0	0	0	0	131	0	0	0	74	194	0	1174	4715
08:10:00 AM	0	0	26	0	0	0	0	0	0	106	0	0	0	72	158	0	1160	4694
08:15:00 AM	0	0	29	0	0	0	0	0	0	132	0	0	0	62	146	0	1153	4658
08:20:00 AM	0	0	29	0	0	0	0	0	0	97	0	0	0	53	192	0	1102	4659
08:25:00 AM	0	0	26	0	0	0	0	0	0	115	0	0	0	55	196	0	1132	4685
08:30:00 AM	0	0	22	0	0	0	0	0	0	111	0	0	0	70	195	0	1161	4682
08:35:00 AM	0	0	23	0	0	0	0	0	0	104	0	0	0	59	180	0	1156	4648
08:40:00 AM	0	0	25	0	0	0	0	0	0	118	0	0	0	76	197	0	1180	4664
08:45:00 AM	0	0	21	0	0	0	0	0	0	99	0	0	0	65	198	0	1165	4623
08:50:00 AM	0	0	11	0	0	0	0	0	0	120	0	0	0	49	158	0	1137	4569
08:55:00 AM	0	0	21	0	0	0	0	0	0	103	0	0	0	64	176	0	1085	4557

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*99E SB On Ramp*
E/W street	*Ross Island Bridge*
City, State	Portland OR
Site Notes	
Location	45.50092 - -122.66091
Start Date	Wednesday, October 24, 2018
Start Time	07:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:15:00 AM
Peak 15 Min Start	07:35:00 AM
PHF (15-Min Int)	0.95



Peak-Hour Volumes (PHV)

Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
0	0	0	0	0	0	0	0	0	1080	602	0	0	3129	0	0	0	0	1682	3129	602	0	3129	1080

Percent Heavy Vehicles

0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.1%	1.3%	0.0%	0.0%	3.6%	0.0%	0.0%	#DIV/0!	0.0%	2.5%	3.6%	1.3%	0.0%	3.6%	3.1%

PHV- Bicycles

Northbound				Southbound				Eastbound				Westbound				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**
0		0	0						0	0	0	0	0		0	0

PHV - Pedestrians

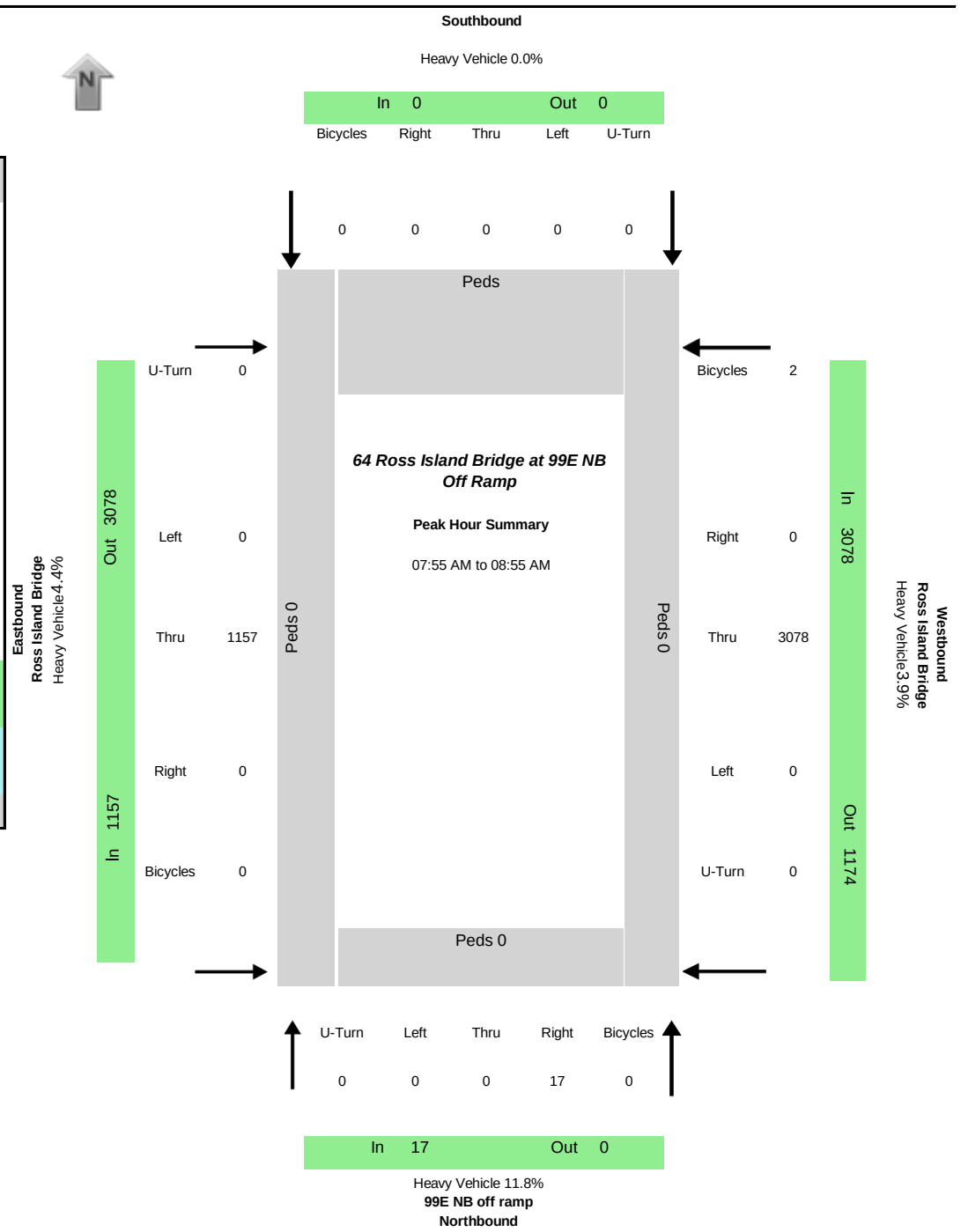
in Crosswalk				
NB	SB	EB	WB	**Sum**
0		0	0	0

All Vehicle Volumes

	Northbound				Southbound				Eastbound				Westbound					
	99E SB On Ramp								Ross Island Bridge				Ross Island Bridge				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
07:00:00 AM	0		0	0						65	36	0	0	243		0		
07:05:00 AM	0		0	0						66	39	0	0	224		0		
07:10:00 AM	0		0	0						55	44	0	0	278		0	1050	
07:15:00 AM	0		0	0						76	39	0	0	263		0	1084	
07:20:00 AM	0		0	0						74	47	0	0	281		0	1157	
07:25:00 AM	0		0	0						61	44	0	0	267		0	1152	
07:30:00 AM	0		0	0						94	50	0	0	261		0	1179	
07:35:00 AM	0		0	0						95	50	0	0	257		0	1179	
07:40:00 AM	0		0	0						98	55	0	0	272		0	1232	
07:45:00 AM	0		0	0						107	68	0	0	259		0	1261	
07:50:00 AM	0		0	0						91	47	0	0	237		0	1234	
07:55:00 AM	0		0	0						100	60	0	0	254		0	1223	4657
08:00:00 AM	0		0	0						83	49	0	0	236		0	1157	4681
08:05:00 AM	0		0	0						107	47	0	0	268		0	1204	4774
08:10:00 AM	0		0	0						94	46	0	0	274		0	1204	4811
08:15:00 AM	0		0	0						109	46	0	0	221		0	1212	4809
08:20:00 AM	0		0	0						97	37	0	0	204		0	1128	4745
08:25:00 AM	0		0	0						98	39	0	0	255		0	1106	4765
08:30:00 AM	0		0	0						95	41	0	0	262		0	1128	4758
08:35:00 AM	0		0	0						88	46	0	0	262		0	1186	4752
08:40:00 AM	0		0	0						102	41	0	0	291		0	1228	4761
08:45:00 AM	0		0	0						85	36	0	0	274		0	1225	4722
08:50:00 AM	0		0	0						99	48	0	0	277		0	1253	4771
08:55:00 AM	0		0	0						84	40	0	0	196		0	1139	4677

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*99E NB off ramp*
E/W street	*Ross Island Bridge*
City, State	Portland OR
Site Notes	
Location	45.501585 - -122.659613
Start Date	Wednesday, October 24, 2018
Start Time	06:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:55:00 AM
Peak 15 Min Start	08:40:00 AM
PHF (15-Min Int)	0.93



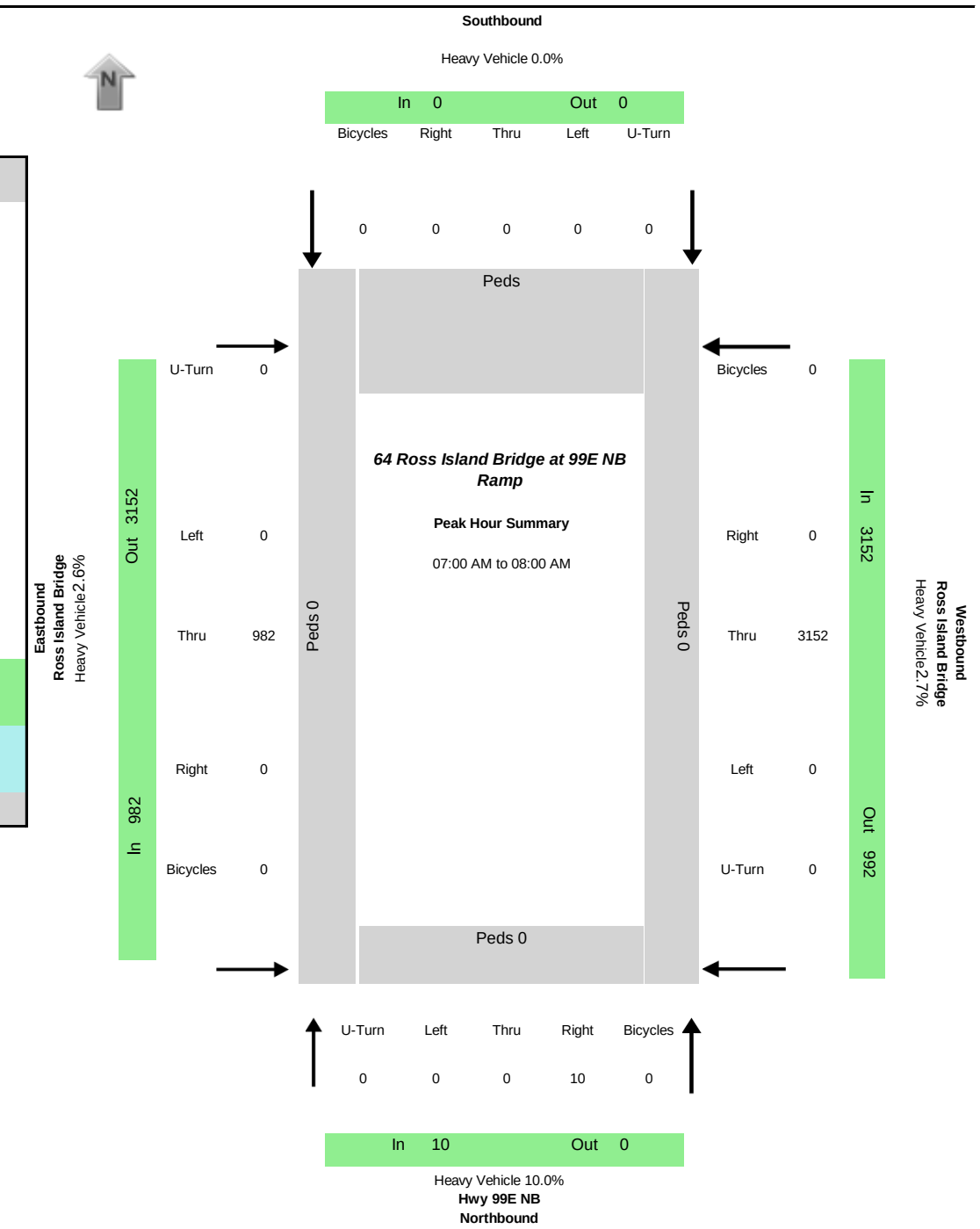
Peak-Hour Volumes (PHV)																							
Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
0	0	17	0	0	0	0	0	0	1157	0	0	0	3078	0	0	17	0	1157	3078	0	0	3078	1174
Percent Heavy Vehicles																							
0.0%	0.0%	11.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.4%	0.0%	0.0%	0.0%	3.9%	0.0%	0.0%	11.8%	0.0%	4.4%	3.9%	#DIV/0!	0.0%	3.9%	4.5%

PHV- Bicycles																	PHV - Pedestrians				
Northbound				Southbound				Eastbound				Westbound					in Crosswalk				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**	NB	SB	EB	WB	**Sum**
0		0	0						0	0	0	0	2		0	2	0		0	0	0

All Vehicle Volumes																		
	Northbound				Southbound				Eastbound				Westbound					
	99E NB off ramp								Ross Island Bridge				Ross Island Bridge				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
06:00:00 AM	0		1	0						37	0	0	0	142		0		
06:05:00 AM	0		3	0						36	0	0	0	146		0		
06:10:00 AM	0		1	0						35	0	0	0	177		0	578	
06:15:00 AM	0		0	0						28	0	0	0	214		0	640	
06:20:00 AM	0		4	0						34	0	0	0	200		0	693	
06:25:00 AM	0		3	0						39	0	0	0	233		0	755	
06:30:00 AM	0		1	0						47	0	0	0	232		0	793	
06:35:00 AM	0		1	0						38	0	0	0	285		0	879	
06:40:00 AM	0		4	0						57	0	0	0	241		0	906	
06:45:00 AM	0		1	0						61	0	0	0	293		0	981	
06:50:00 AM	0		0	0						53	0	0	0	302		0	1012	
06:55:00 AM	0		0	0						47	0	0	0	234		0	991	3230
07:00:00 AM	0		3	0						65	0	0	0	243		0	947	3361
07:05:00 AM	0		5	0						66	0	0	0	224		0	887	3471
07:10:00 AM	0		2	0						55	0	0	0	278		0	941	3593
07:15:00 AM	0		0	0						76	0	0	0	263		0	969	3690
07:20:00 AM	0		1	0						74	0	0	0	281		0	1030	3808
07:25:00 AM	0		3	0						61	0	0	0	267		0	1026	3864
07:30:00 AM	0		1	0						94	0	0	0	261		0	1043	3940
07:35:00 AM	0		0	0						95	0	0	0	257		0	1039	3968
07:40:00 AM	0		2	0						98	0	0	0	272		0	1080	4038
07:45:00 AM	0		1	0						107	0	0	0	259		0	1091	4050
07:50:00 AM	0		5	0						91	0	0	0	237		0	1072	4028
07:55:00 AM	0		1	0						100	0	0	0	254		0	1055	4102
08:00:00 AM	0		1	0						83	0	0	0	236		0	1008	4111
08:05:00 AM	0		1	0						107	0	0	0	268		0	1051	4192
08:10:00 AM	0		1	0						94	0	0	0	274		0	1065	4226
08:15:00 AM	0		1	0						109	0	0	0	221		0	1076	4218
08:20:00 AM	0		0	0						97	0	0	0	204		0	1001	4163
08:25:00 AM	0		0	0						98	0	0	0	255		0	985	4185
08:30:00 AM	0		0	0						95	0	0	0	262		0	1011	4186
08:35:00 AM	0		2	0						88	0	0	0	262		0	1062	4186
08:40:00 AM	0		2	0						102	0	0	0	291		0	1104	4209
08:45:00 AM	0		4	0						85	0	0	0	274		0	1110	4205
08:50:00 AM	0		4	0						99	0	0	0	277		0	1138	4252
08:55:00 AM	0		3	0						84	0	0	0	196		0	1026	4180

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*Hwy 99E NB*
E/W street	*Ross Island Bridge*
City, State	Portland OR
Site Notes	
Location	45.501585 - -122.659613
Start Date	Thursday, October 25, 2018
Start Time	06:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:00:00 AM
Peak 15 Min Start	07:40:00 AM
PHF (15-Min Int)	0.96



Peak-Hour Volumes (PHV)

Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
0	0	10	0	0	0	0	0	0	982	0	0	0	3152	0	0	10	0	982	3152	0	0	3152	992

Percent Heavy Vehicles

0.0%	0.0%	10.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.6%	0.0%	0.0%	0.0%	2.7%	0.0%	0.0%	10.0%	0.0%	2.6%	2.7%	#DIV/0!	0.0%	2.7%	2.7%

PHV- Bicycles

Northbound				Southbound				Eastbound				Westbound				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**
0		0	0						0	0	0	0	0		0	0

PHV - Pedestrians

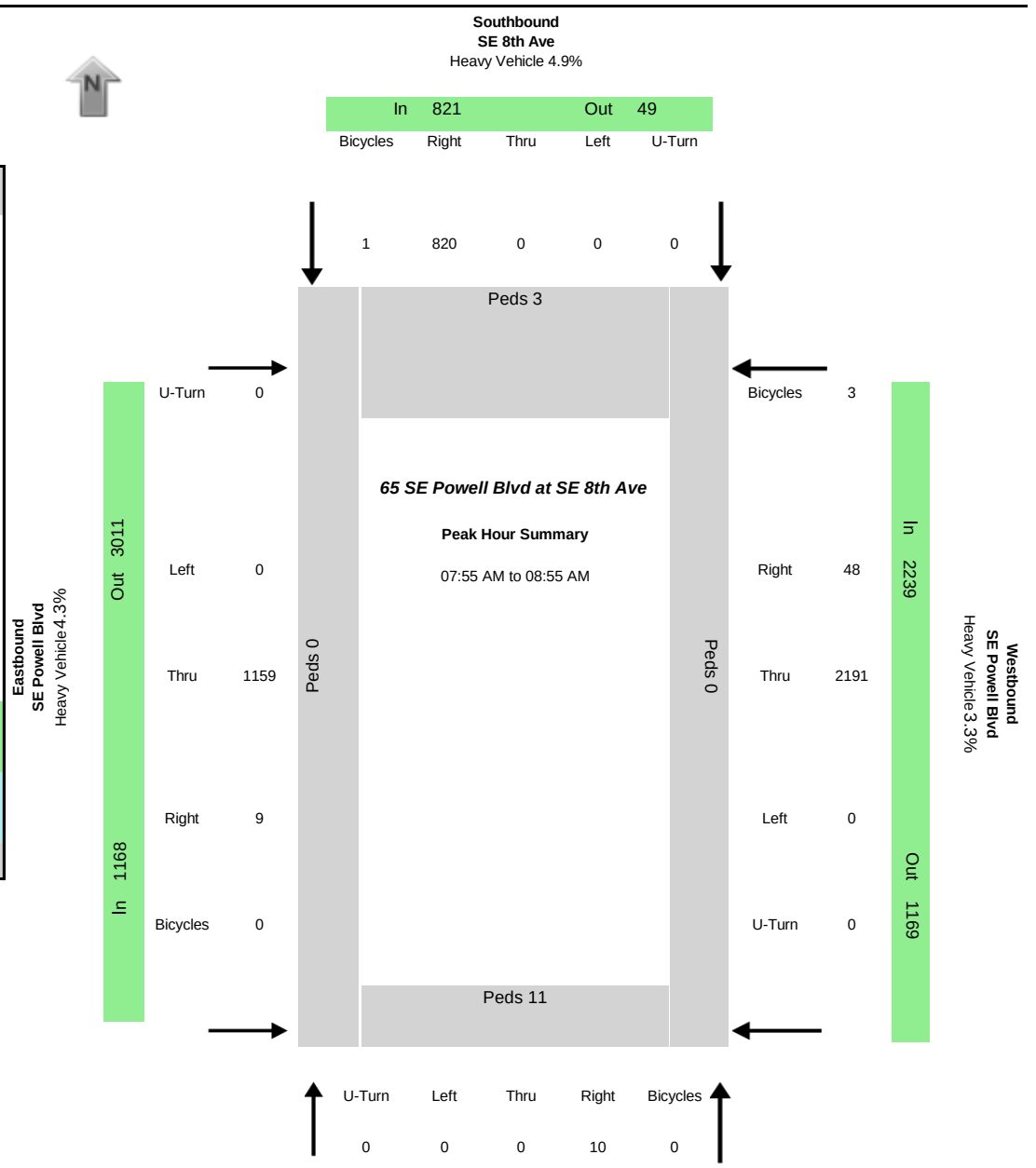
in Crosswalk				
NB	SB	EB	WB	**Sum**
0		0	0	0

All Vehicle Volumes

	Northbound				Southbound				Eastbound				Westbound					
	Hwy 99E NB								Ross Island Bridge				Ross Island Bridge				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
06:00:00 AM	0		1	0						40	0	0	0	126		0		
06:05:00 AM	0		5	0						39	0	0	0	147		0		
06:10:00 AM	0		1	0						23	0	0	0	160		0	542	
06:15:00 AM	0		1	0						38	0	0	0	184		0	598	
06:20:00 AM	0		5	0						34	0	0	0	203		0	649	
06:25:00 AM	0		7	0						33	0	0	0	217		0	722	
06:30:00 AM	0		3	0						44	0	0	0	258		0	804	
06:35:00 AM	0		4	0						31	0	0	0	247		0	844	
06:40:00 AM	0		2	0						62	0	0	0	303		0	954	
06:45:00 AM	0		0	0						66	0	0	0	251		0	966	
06:50:00 AM	0		5	0						52	0	0	0	253		0	994	
06:55:00 AM	0		0	0						66	0	0	0	264		0	957	3175
07:00:00 AM	0		0	0						69	0	0	0	257		0	966	3334
07:05:00 AM	0		2	0						65	0	0	0	279		0	1002	3489
07:10:00 AM	0		0	0						59	0	0	0	244		0	975	3608
07:15:00 AM	0		1	0						73	0	0	0	271		0	994	3730
07:20:00 AM	0		1	0						81	0	0	0	275		0	1005	3845
07:25:00 AM	0		1	0						84	0	0	0	266		0	1053	3939
07:30:00 AM	0		1	0						72	0	0	0	280		0	1061	3987
07:35:00 AM	0		1	0						99	0	0	0	245		0	1049	4050
07:40:00 AM	0		1	0						91	0	0	0	260		0	1050	4035
07:45:00 AM	0		1	0						82	0	0	0	265		0	1045	4066
07:50:00 AM	0		1	0						109	0	0	0	266		0	1076	4132
07:55:00 AM	0		0	0						98	0	0	0	244		0	1066	4144
08:00:00 AM	0		2	0						101	0	0	0	208		0	1029	4129
08:05:00 AM	0		1	0						100	0	0	0	114		0	868	3998
08:10:00 AM	0		2	0						87	0	0	0	209		0	824	3993
08:15:00 AM	0		0	0						88	0	0	0	221		0	822	3957
08:20:00 AM	0		2	0						97	0	0	0	217		0	923	3916
08:25:00 AM	0		1	0						92	0	0	0	208		0	926	3866
08:30:00 AM	0		0	0						98	0	0	0	158		0	873	3769
08:35:00 AM	0		1	0						96	0	0	0	177		0	831	3698
08:40:00 AM	0		1	0						95	0	0	0	218		0	844	3660
08:45:00 AM	0		1	0						95	0	0	0	193		0	877	3601
08:50:00 AM	0		1	0						102	0	0	0	237		0	943	3565
08:55:00 AM	0		1	0						83	0	0	0	245		0	958	3552

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SE 8th Ave*
E/W street	*SE Powell Blvd*
City, State	Portland OR
Site Notes	
Location	45.501506 - -122.657768
Start Date	Wednesday, October 24, 2018
Start Time	07:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:55:00 AM
Peak 15 Min Start	08:40:00 AM
PHF (15-Min Int)	0.95



Peak-Hour Volumes (PHV)																							
Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
0	0	10	0	0	0	820	0	0	1159	9	0	0	2191	48	0	10	820	1168	2239	9	48	3011	1169
Percent Heavy Vehicles																							
0.0%	0.0%	10.0%	0.0%	0.0%	0.0%	4.9%	0.0%	0.0%	4.3%	0.0%	0.0%	0.0%	3.2%	6.3%	0.0%	10.0%	4.9%	4.3%	3.3%	0.0%	6.3%	3.7%	4.4%

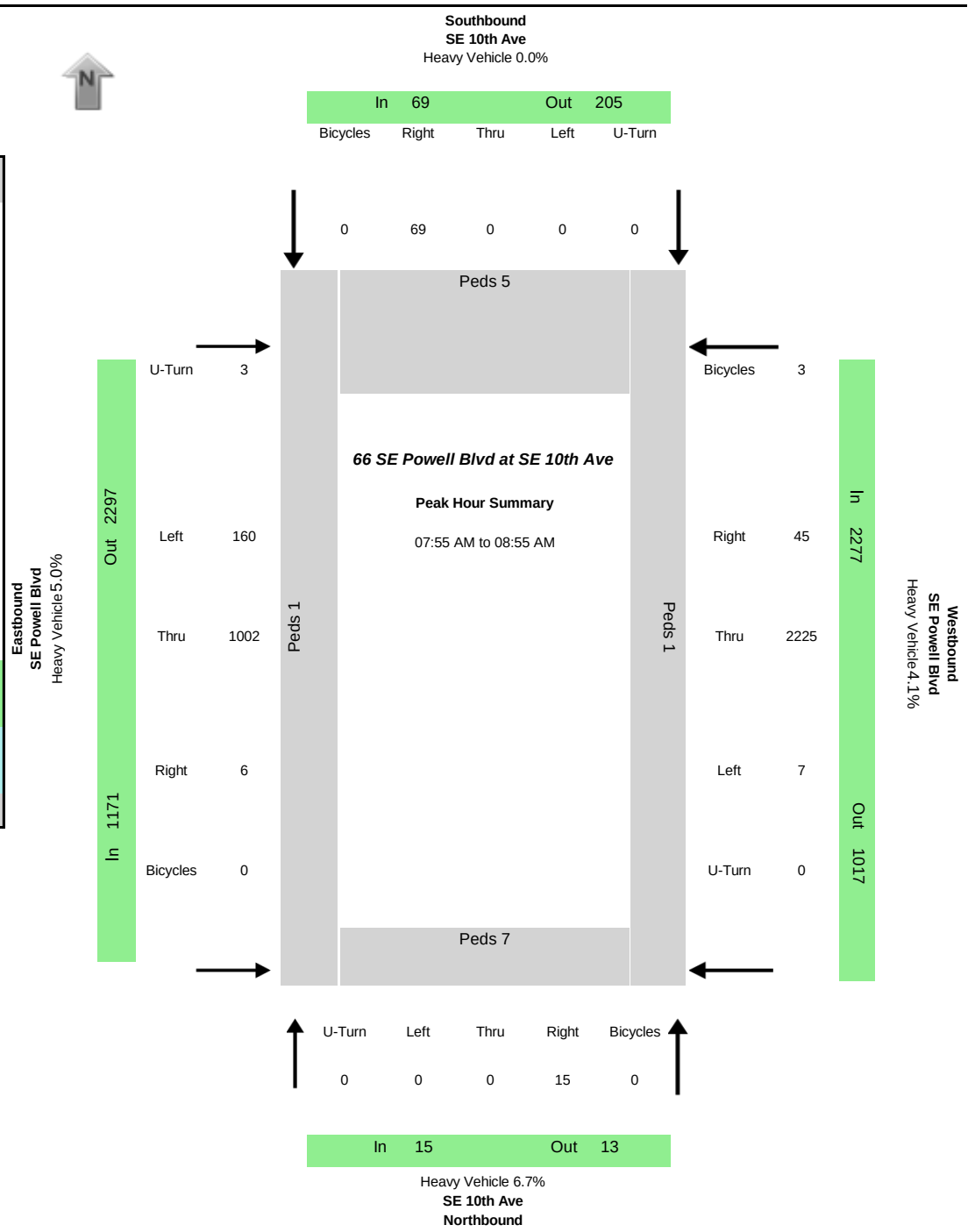
PHV- Bicycles																	PHV - Pedestrians				
Northbound				Southbound				Eastbound				Westbound					in Crosswalk				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**	NB	SB	EB	WB	**Sum**
0	0	0	0	0	0	1	0	0	0	0	0	0	2	1	0	4	11	3	0	0	14

All Vehicle Volumes

	Northbound				Southbound				Eastbound				Westbound					
	SE 8th Ave				SE 8th Ave				SE Powell Blvd				SE Powell Blvd				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
07:00:00 AM	0	0	1	0	0	0	68	0	0	70	1	0	0	193	2	0		
07:05:00 AM	0	0	0	0	0	0	52	0	0	70	0	0	0	164	2	0		
07:10:00 AM	0	0	2	0	0	0	68	0	0	53	0	0	0	201	1	0	948	
07:15:00 AM	0	0	1	0	0	0	58	0	0	74	3	0	0	187	1	0	937	
07:20:00 AM	0	0	1	0	0	0	79	0	0	76	0	0	0	202	2	0	1009	
07:25:00 AM	0	0	2	0	0	0	69	0	0	66	0	0	0	196	0	0	1017	
07:30:00 AM	0	0	3	0	0	0	68	0	0	94	1	0	0	187	0	0	1046	
07:35:00 AM	0	0	0	0	0	0	64	0	0	96	1	0	0	163	1	0	1011	
07:40:00 AM	0	0	0	0	0	0	70	0	0	98	0	0	0	191	0	0	1037	
07:45:00 AM	0	0	1	0	0	0	66	0	0	112	0	0	0	181	2	0	1046	
07:50:00 AM	0	0	1	0	0	0	55	0	0	100	0	0	0	163	2	0	1042	
07:55:00 AM	0	0	0	0	0	0	63	0	0	102	1	0	0	187	1	0	1037	4039
08:00:00 AM	0	0	0	0	0	0	55	0	0	82	0	0	0	176	4	0	992	4021
08:05:00 AM	0	0	1	0	0	0	67	0	0	108	0	0	0	198	1	0	1046	4108
08:10:00 AM	0	0	1	0	0	0	70	0	0	97	1	0	0	199	1	0	1061	4152
08:15:00 AM	0	0	2	0	0	0	55	0	0	103	1	0	0	173	5	0	1083	4167
08:20:00 AM	0	0	1	0	0	0	49	0	0	98	2	0	0	149	0	0	1007	4106
08:25:00 AM	0	0	1	0	0	0	65	0	0	95	1	0	0	186	3	0	989	4124
08:30:00 AM	0	0	0	0	0	0	96	0	0	96	0	0	0	158	6	0	1006	4127
08:35:00 AM	0	0	1	0	0	0	78	0	0	88	0	0	0	187	6	0	1067	4162
08:40:00 AM	0	0	2	0	0	0	72	0	0	102	2	0	0	197	5	0	1096	4183
08:45:00 AM	0	0	1	0	0	0	71	0	0	91	1	0	0	184	4	0	1092	4173
08:50:00 AM	0	0	0	0	0	0	79	0	0	97	0	0	0	197	12	0	1117	4237
08:55:00 AM	0	0	0	0	0	0	55	0	0	81	0	0	0	139	5	0	1017	4163

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SE 10th Ave*
E/W street	*SE Powell Blvd*
City, State	Portland OR
Site Notes	
Location	45.501493 - -122.655826
Start Date	Wednesday, October 24, 2018
Start Time	07:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:55:00 AM
Peak 15 Min Start	08:35:00 AM
PHF (15-Min Int)	0.94



Peak-Hour Volumes (PHV)																							
Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
0	0	15	0	0	0	69	0	160	1002	6	3	7	2225	45	0	15	69	1171	2277	13	205	2297	1017
Percent Heavy Vehicles																							
0.0%	0.0%	6.7%	0.0%	0.0%	0.0%	0.0%	0.0%	3.1%	5.4%	0.0%	0.0%	14.3%	4.0%	8.9%	0.0%	6.7%	0.0%	5.0%	4.1%	7.7%	4.4%	3.8%	5.4%

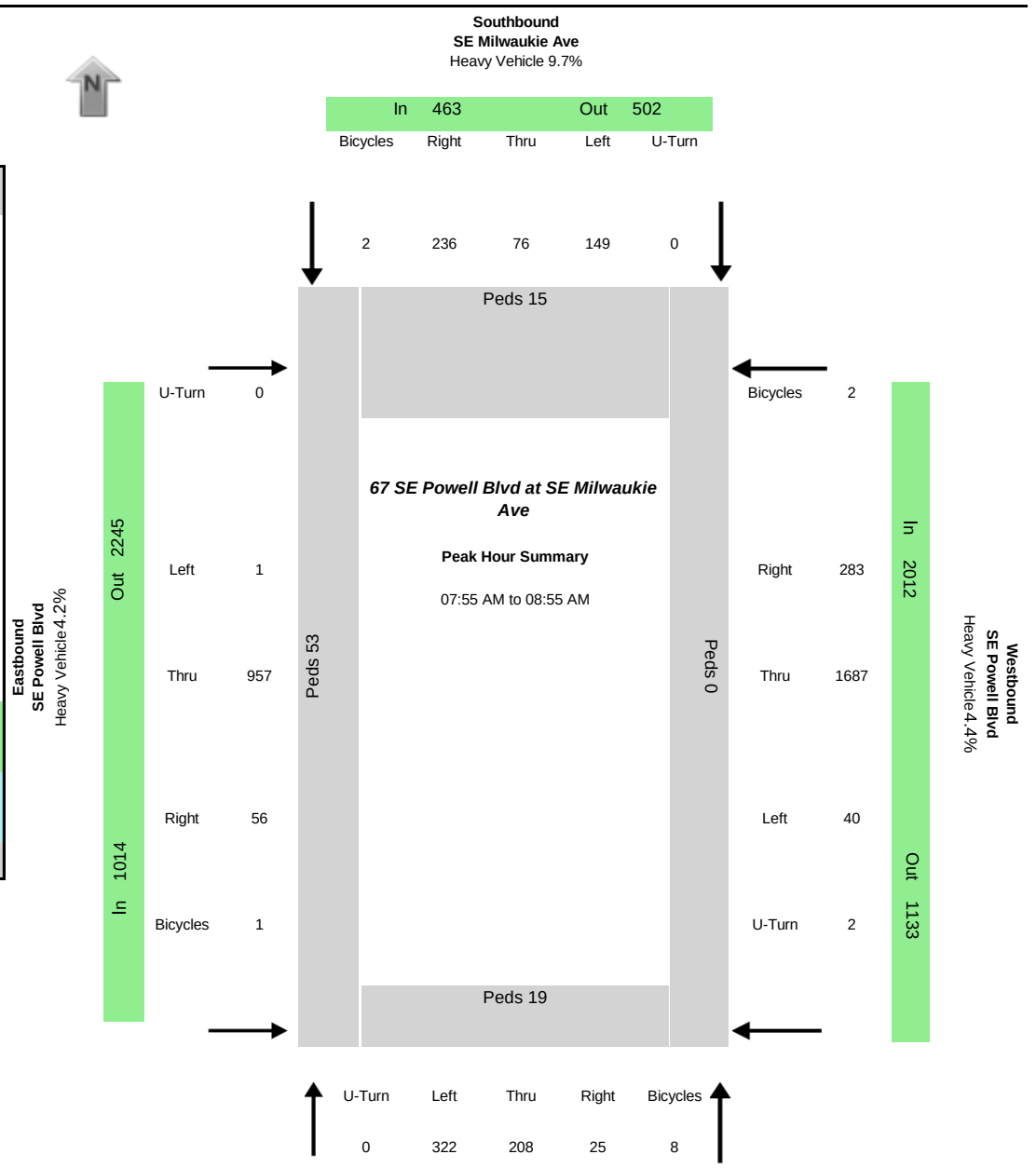
PHV- Bicycles																	PHV - Pedestrians				
Northbound				Southbound				Eastbound				Westbound					in Crosswalk				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**	NB	SB	EB	WB	**Sum**
0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	7	5	1	1	14

All Vehicle Volumes

	Northbound				Southbound				Eastbound				Westbound					
	SE 10th Ave				SE 10th Ave				SE Powell Blvd				SE Powell Blvd				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
07:00:00 AM	0	0	0	0	0	0	2	0	12	57	0	0	0	205	2	0		
07:05:00 AM	0	0	1	0	0	0	2	0	8	63	0	0	0	165	3	0		
07:10:00 AM	0	0	2	0	0	0	4	0	9	41	2	0	0	193	0	0	771	
07:15:00 AM	0	0	0	0	0	0	2	0	10	66	1	2	0	183	0	0	757	
07:20:00 AM	0	0	2	0	0	0	3	0	9	62	0	0	0	204	4	0	799	
07:25:00 AM	0	0	1	0	0	0	6	0	10	61	0	0	0	184	2	0	812	
07:30:00 AM	0	0	0	0	0	0	11	0	10	84	1	0	0	186	4	0	844	
07:35:00 AM	0	0	0	0	0	0	7	0	9	85	0	0	0	174	2	0	837	
07:40:00 AM	0	0	2	0	0	0	7	0	12	86	2	0	0	200	1	0	883	
07:45:00 AM	0	0	1	0	0	0	9	0	12	99	1	0	0	175	3	0	887	
07:50:00 AM	0	0	2	0	0	0	3	0	8	94	1	0	0	182	1	0	901	
07:55:00 AM	0	0	0	0	0	0	10	0	16	81	0	1	0	186	2	0	887	3353
08:00:00 AM	0	0	1	0	0	0	5	0	9	73	1	1	0	176	4	0	857	3345
08:05:00 AM	0	0	2	0	0	0	4	0	12	95	0	0	0	179	4	0	862	3399
08:10:00 AM	0	0	1	0	0	0	7	0	15	82	1	0	0	187	5	0	864	3446
08:15:00 AM	0	0	1	0	0	0	5	0	16	89	1	0	0	187	2	0	895	3483
08:20:00 AM	0	0	0	0	0	0	8	0	18	91	0	0	1	152	4	0	873	3473
08:25:00 AM	0	0	0	0	0	0	3	0	11	79	2	0	1	183	9	0	863	3497
08:30:00 AM	0	0	2	0	0	0	1	0	13	78	1	1	1	169	5	0	833	3472
08:35:00 AM	0	0	2	0	0	0	3	0	7	86	0	0	0	207	3	0	867	3503
08:40:00 AM	0	0	2	0	0	0	8	0	16	86	0	0	2	200	2	0	895	3509
08:45:00 AM	0	0	1	0	0	0	7	0	14	80	0	0	1	204	5	0	936	3521
08:50:00 AM	0	0	3	0	0	0	8	0	13	82	0	0	1	195	0	0	930	3532
08:55:00 AM	0	0	2	0	0	0	3	0	16	67	0	1	1	160	4	0	868	3490

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SE Milwaukie Ave*
E/W street	*SE Powell Blvd*
City, State	Portland OR
Site Notes	
Location	45.501185 - -122.654228
Start Date	Wednesday, October 24, 2018
Start Time	07:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:55:00 AM
Peak 15 Min Start	08:35:00 AM
PHF (15-Min Int)	0.93



Peak-Hour Volumes (PHV)																							
Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
322	208	25	0	149	76	236	0	1	957	56	0	40	1687	283	2	555	461	1014	2012	172	492	2245	1133
Percent Heavy Vehicles																							
5.0%	2.9%	12.0%	0.0%	24.2%	2.6%	3.0%	0.0%	0.0%	4.1%	7.1%	0.0%	2.5%	4.6%	3.5%	0.0%	4.5%	9.8%	4.2%	4.4%	4.1%	3.3%	4.5%	6.9%

PHV- Bicycles																	PHV - Pedestrians				
Northbound				Southbound				Eastbound				Westbound					in Crosswalk				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**	NB	SB	EB	WB	**Sum**
0	8	0	0	0	2	0	0	0	1	0	0	0	0	2	0	13	19	15	53	0	87

All Vehicle Volumes																		
	Northbound				Southbound				Eastbound				Westbound					
	SE Milwaukie Ave				SE Milwaukie Ave				SE Powell Blvd				SE Powell Blvd				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
07:00:00 AM	43	12	2	0	13	3	10	0	0	51	1	0	1	130	20	0		
07:05:00 AM	25	10	2	0	8	1	11	0	0	64	0	0	2	131	19	0		
07:10:00 AM	47	17	1	0	3	4	13	0	0	37	5	0	0	113	7	0	806	
07:15:00 AM	22	7	5	0	13	7	9	0	0	58	0	0	2	141	17	0	801	
07:20:00 AM	22	10	3	0	10	8	23	0	0	58	2	0	2	157	18	0	841	
07:25:00 AM	35	21	2	0	15	9	13	0	0	43	1	0	2	123	20	0	878	
07:30:00 AM	38	15	1	0	7	4	22	0	0	92	0	0	2	133	21	0	932	
07:35:00 AM	40	22	2	0	13	5	15	0	0	70	0	0	0	96	15	0	897	
07:40:00 AM	32	14	0	0	14	5	8	0	0	88	5	0	0	147	19	0	945	
07:45:00 AM	17	12	0	0	5	5	14	0	0	92	1	0	1	128	13	0	898	
07:50:00 AM	30	21	0	0	14	3	21	0	0	72	2	0	1	107	30	0	921	
07:55:00 AM	29	12	0	0	7	4	32	0	0	99	5	0	6	133	20	0	936	3565
08:00:00 AM	31	15	3	0	16	11	26	0	1	57	2	0	2	106	28	0	946	3577
08:05:00 AM	24	12	2	0	14	8	15	0	0	93	3	0	2	165	30	0	1013	3672
08:10:00 AM	26	21	1	0	12	0	24	0	0	80	6	0	1	128	33	0	998	3757
08:15:00 AM	25	21	0	0	13	8	21	0	0	76	3	0	6	136	30	0	1039	3815
08:20:00 AM	18	21	1	0	6	7	16	0	0	100	7	0	3	127	15	1	993	3824
08:25:00 AM	39	18	5	0	15	7	5	0	0	62	6	0	5	126	31	0	980	3859
08:30:00 AM	23	10	4	0	3	2	1	0	0	82	8	0	4	153	20	0	951	3834
08:35:00 AM	27	18	2	0	10	5	27	0	0	69	9	0	2	164	24	0	986	3913
08:40:00 AM	30	11	4	0	20	12	31	0	0	74	2	0	5	144	16	0	1016	3930
08:45:00 AM	19	19	1	0	20	4	21	0	0	93	2	0	1	175	25	0	1086	4022
08:50:00 AM	31	30	2	0	13	8	17	0	0	72	3	0	3	130	11	1	1050	4042
08:55:00 AM	23	17	1	0	11	2	19	0	0	69	5	0	4	142	23	0	1017	4011

Study Name	69 SW Naito Pkwy at Gibbs - Naito Ramps
Start Date	10/24/2018
Start Time	7:00 AM
Site Code	

Location 45.499351 -122.678

Lights

	Northbound Naito Pkwy					Southbound Naito Pkwy					Eastbound Ramp From Ross Island					Westbound Gibbs St					Southwestbound Ramp to Ross Island				
Start Time	Left	Thru	Bear Right	Right to Gil	U-Turn	Hard Left	Left	Thru	Right	U-Turn	Left	Bear Left	Thru	Right	U-Turn	Left	Thru	Right to Na	Hard Right	U-Turn	Hard Left	Bear Left	Bear Right	Hard Right	U-Turn
7:00 AM	0	25	27	0	0	0	0	12	0	0	0	0	0	32	0	0	0	3	1	0	0	0	0	0	0
7:05 AM	0	28	22	0	0	0	0	11	0	0	0	0	0	62	0	0	0	0	0	0	0	0	0	0	0
7:10 AM	0	32	44	0	0	0	0	12	0	0	0	0	0	71	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	38	52	1	0	0	0	10	0	0	0	0	0	72	0	0	0	0	0	0	0	0	0	0	0
7:20 AM	0	48	44	1	0	0	0	17	0	0	0	0	0	62	0	0	0	1	0	0	0	0	0	0	0
7:25 AM	0	43	47	1	0	0	0	8	0	0	0	0	0	64	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	46	61	2	0	0	0	7	0	0	0	0	0	53	0	0	0	0	0	0	0	0	0	0	0
7:35 AM	0	32	51	2	0	0	0	13	0	0	0	0	0	53	0	0	0	3	1	0	0	0	0	0	0
7:40 AM	0	41	48	0	0	0	0	11	0	0	0	0	0	48	0	0	0	0	1	0	0	0	0	0	0
7:45 AM	0	44	56	0	0	0	0	15	0	0	0	0	0	57	0	0	0	0	1	0	0	0	0	0	0
7:50 AM	0	51	55	0	0	0	0	19	0	0	0	0	0	54	0	0	0	1	0	0	0	0	0	0	0
7:55 AM	0	50	54	0	0	0	0	17	0	0	0	0	0	60	0	0	0	1	0	0	0	0	0	0	0
8:00 AM	0	42	50	0	0	0	0	16	0	0	0	0	0	62	0	0	0	2	0	0	0	0	0	0	0
8:05 AM	0	38	54	2	0	0	0	11	0	0	0	0	0	74	0	0	0	0	0	0	0	0	0	0	0
8:10 AM	0	27	49	0	0	0	0	18	0	0	0	0	0	66	0	0	0	0	1	0	0	0	0	0	0
8:15 AM	0	27	38	1	0	0	0	14	0	0	0	0	0	61	0	0	0	0	1	0	0	0	0	0	0
8:20 AM	0	47	52	1	0	0	0	20	0	0	0	0	0	45	0	0	0	3	1	0	0	0	0	0	0
8:25 AM	0	38	66	1	0	0	0	10	0	0	0	0	0	57	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	35	51	2	0	0	0	17	0	0	0	0	0	61	0	0	0	3	1	0	0	0	0	0	0
8:35 AM	0	43	43	0	0	0	0	18	0	0	0	0	0	58	0	0	0	3	1	0	0	0	0	0	0
8:40 AM	0	31	59	1	0	0	0	21	0	0	0	0	0	71	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	39	67	1	0	0	0	14	0	0	0	0	0	58	0	0	0	1	1	0	0	0	0	0	0
8:50 AM	0	28	57	1	0	0	0	13	0	0	0	0	0	54	0	0	0	1	0	0	0	0	0	0	0
8:55 AM	0	34	56	1	0	0	0	12	0	0	0	0	0	59	0	0	0	0	0	0	0	0	0	0	0

Other Vehicles

	Northbound Naito Pkwy					Southbound Naito Pkwy					Eastbound Ramp From Ross Island					Westbound Gibbs St					Southwestbound Ramp to Ross Island				
Start Time	Left	Thru	Bear Right	Right to Gil	U-Turn	Hard Left	Left	Thru	Right	U-Turn	Left	Bear Left	Thru	Right	U-Turn	Left	Thru	Right to Na	Hard Right	U-Turn	Hard Left	Bear Left	Bear Right	Hard Right	U-Turn
7:00 AM	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
7:05 AM	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:10 AM	0	4	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:20 AM	0	1	4	0	0	0	0	2	0	0	0	0	0	3	0	0	0	1	0	0	0	0	0	0	0
7:25 AM	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	2	3	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
7:35 AM	0	2	2	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
7:40 AM	0	3	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	1	0	0	0	0	0	1	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
7:50 AM	0	0	2	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:55 AM	0	1	2	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0
8:00 AM	0	1	2	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:05 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
8:10 AM	0	1	1	0	0	0	0	3	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:20 AM	0	0	3	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
8:25 AM	0	0	0	0	0	0	0	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	2	1	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
8:35 AM	0	1	1	0	0	0	0	2	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0
8:40 AM	0	3	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	3	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:50 AM	0	1	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:55 AM	0	0	3	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0

Bicycles on Road

	Northbound Naito Pkwy					Southbound Naito Pkwy					Eastbound Ramp From Ross Island					Westbound Gibbs St					Southwestbound Ramp to Ross Island				
Start Time	Left	Thru	Bear Right	Right to Gil	U-Turn	Hard Left	Left	Thru	Right	U-Turn	Left	Bear Left	Thru	Right	U-Turn	Left	Thru	Right to Na	Hard Right	U-Turn	Hard Left	Bear Left	Bear Right	Hard Right	U-Turn
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:05 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

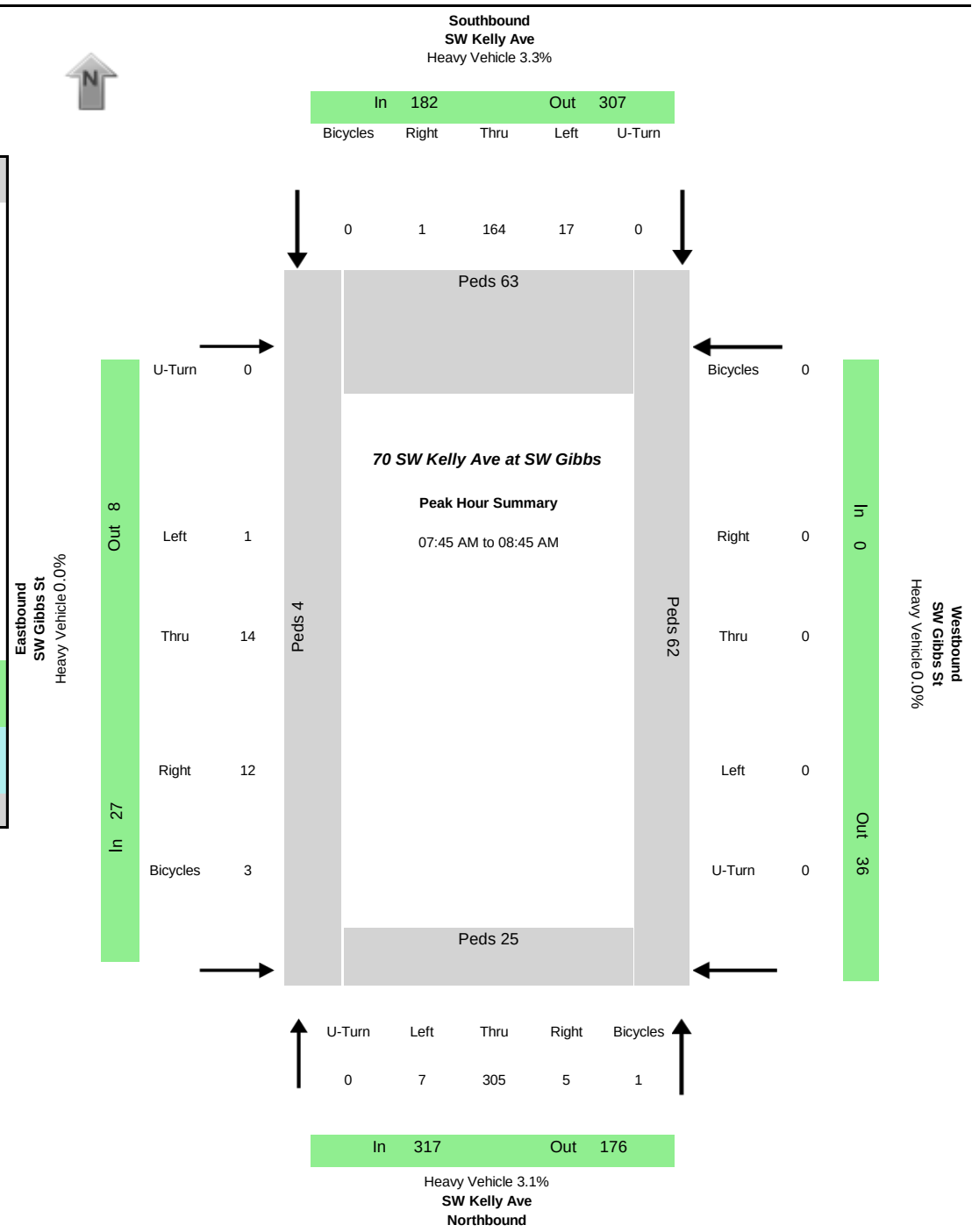
7:10 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:20 AM	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:25 AM	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:35 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
7:40 AM	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:50 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:55 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
8:00 AM	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:05 AM	0	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:10 AM	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:20 AM	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:25 AM	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:35 AM	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:40 AM	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:50 AM	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:55 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

All Pedestrians

	Northbound		Southbound		Eastbound		Westbound		Southwestbound	
	Naito Pkwy		Naito Pkwy		Ramp From Ross Islanc		Gibbs St		Ramp to Ross Island	
Start Time	Peds CCW	Peds CW	Peds CCW	Peds CW	Peds CCW	Peds CW	Peds CCW	Peds CW	Peds CCW	Peds CW
7:00 AM	0	0	0	0	0	0	0	0	0	0
7:05 AM	0	0	0	0	0	0	0	0	0	0
7:10 AM	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0
7:20 AM	0	0	0	0	0	0	0	0	0	0
7:25 AM	0	0	0	0	0	0	0	2	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	0
7:35 AM	1	0	0	0	0	0	1	0	0	0
7:40 AM	0	0	0	1	0	1	0	0	0	1
7:45 AM	0	0	0	0	0	0	0	0	0	0
7:50 AM	0	0	0	0	0	0	0	0	0	0
7:55 AM	0	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	0	0	0
8:05 AM	0	1	1	0	1	0	0	0	1	0
8:10 AM	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	1	0	0
8:20 AM	0	0	0	0	0	0	0	0	0	0
8:25 AM	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	0	0	0	0	0
8:35 AM	0	0	0	0	0	0	1	0	0	0
8:40 AM	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	0	0	0	0	0	0	0	0	0
8:50 AM	0	0	0	0	0	0	0	0	0	0
8:55 AM	0	0	0	0	0	0	0	0	0	0

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW Kelly Ave*
E/W street	*SW Gibbs St*
City, State	Portland OR
Site Notes	
Location	45.499356 - -122.674837
Start Date	Wednesday, October 24, 2018
Start Time	07:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:45:00 AM
Peak 15 Min Start	08:15:00 AM
PHF (15-Min Int)	0.95



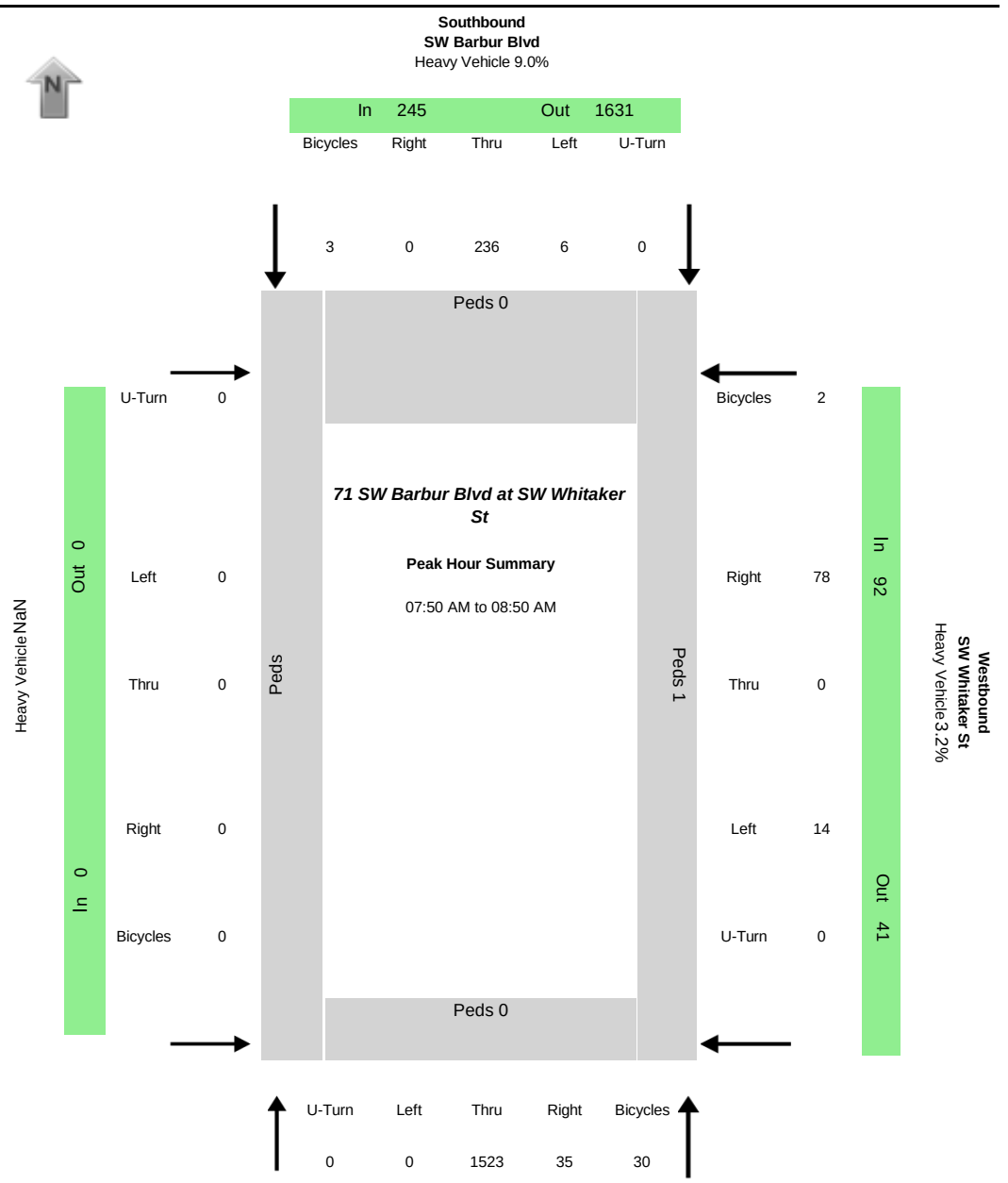
Peak-Hour Volumes (PHV)																							
Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
7	305	5	0	17	164	1	0	1	14	12	0	0	0	0	0	317	182	27	0	176	306	8	36
Percent Heavy Vehicles																							
28.6%	2.6%	0.0%	0.0%	17.6%	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.2%	3.3%	0.0%	0.0%	1.7%	2.6%	25.0%	8.3%

PHV- Bicycles																	PHV - Pedestrians				
Northbound				Southbound				Eastbound				Westbound					in Crosswalk				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**	NB	SB	EB	WB	**Sum**
0	1	0	0	0	0	0	0	0	3	0	0	0	0	0	0	4	25	63	4	62	154

All Vehicle Volumes																		
	Northbound				Southbound				Eastbound				Westbound					
	SW Kelly Ave				SW Kelly Ave				SW Gibbs St				SW Gibbs St				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
07:00:00 AM	0	16	0	0	1	6	0	0	0	0	0	0	0	0	0	0		
07:05:00 AM	0	14	0	0	0	4	0	0	0	0	0	0	0	0	0	0		
07:10:00 AM	0	11	0	0	0	5	0	0	0	1	0	0	0	0	0	0	58	
07:15:00 AM	0	13	1	0	0	8	0	1	0	2	0	0	0	0	0	0	60	
07:20:00 AM	0	14	1	0	0	11	0	0	0	0	0	0	0	0	0	0	68	
07:25:00 AM	1	13	0	0	1	7	0	0	0	1	1	0	0	0	0	0	75	
07:30:00 AM	1	20	0	0	2	10	0	0	0	1	0	0	0	0	0	0	84	
07:35:00 AM	1	22	0	0	2	18	0	0	1	2	2	0	0	0	0	0	106	
07:40:00 AM	1	25	1	0	1	10	1	0	0	0	0	0	0	0	0	0	121	
07:45:00 AM	0	32	1	0	2	10	0	0	0	3	1	0	0	0	0	0	136	
07:50:00 AM	1	22	1	0	2	13	0	0	0	0	0	0	0	0	0	0	127	
07:55:00 AM	0	27	0	0	2	17	0	0	0	0	0	0	0	0	0	0	134	388
08:00:00 AM	1	19	0	0	2	12	0	0	0	0	1	0	0	0	0	0	120	400
08:05:00 AM	0	23	0	0	2	15	0	0	0	1	0	0	0	0	0	0	122	423
08:10:00 AM	0	27	0	0	0	13	0	0	0	0	1	0	0	0	0	0	117	447
08:15:00 AM	1	27	1	0	0	15	0	0	1	1	1	0	0	0	0	0	129	469
08:20:00 AM	1	31	1	0	0	14	0	0	0	1	1	0	0	0	0	0	137	492
08:25:00 AM	2	26	0	0	0	13	0	0	0	1	1	0	0	0	0	0	139	511
08:30:00 AM	1	21	0	0	3	15	0	0	0	3	2	0	0	0	0	0	137	522
08:35:00 AM	0	25	1	0	3	14	1	0	0	1	3	0	0	0	0	0	136	522
08:40:00 AM	0	25	0	0	1	13	0	0	0	3	1	0	0	0	0	0	136	526
08:45:00 AM	0	19	0	0	1	9	1	0	0	1	0	0	0	0	0	0	122	508
08:50:00 AM	0	14	1	0	0	15	0	0	0	0	1	0	0	0	0	0	105	500
08:55:00 AM	1	19	0	0	2	11	0	0	0	0	0	0	0	0	0	0	95	487

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW Barbur Blvd*
E/W street	*SW Whitaker St*
City, State	Portland OR
Site Notes	
Location	45.498688 - -122.679748
Start Date	Wednesday, October 24, 2018
Start Time	07:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:50:00 AM
Peak 15 Min Start	08:00:00 AM
PHF (15-Min Int)	0.96



Peak-Hour Volumes (PHV)

Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
0	1523	35	0	6	236	0	0	0	0	0	0	14	0	78	0	1558	242	0	92	250	1601	0	41

Percent Heavy Vehicles

0.0%	2.5%	11.4%	0.0%	16.7%	8.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.8%	0.0%	2.7%	9.1%	#DIV/0!	3.3%	8.4%	2.6%	#DIV/0!	12.2%

PHV- Bicycles

Northbound				Southbound				Eastbound				Westbound				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**
	29	1	0	0	3		0					1		1	0	35

PHV - Pedestrians

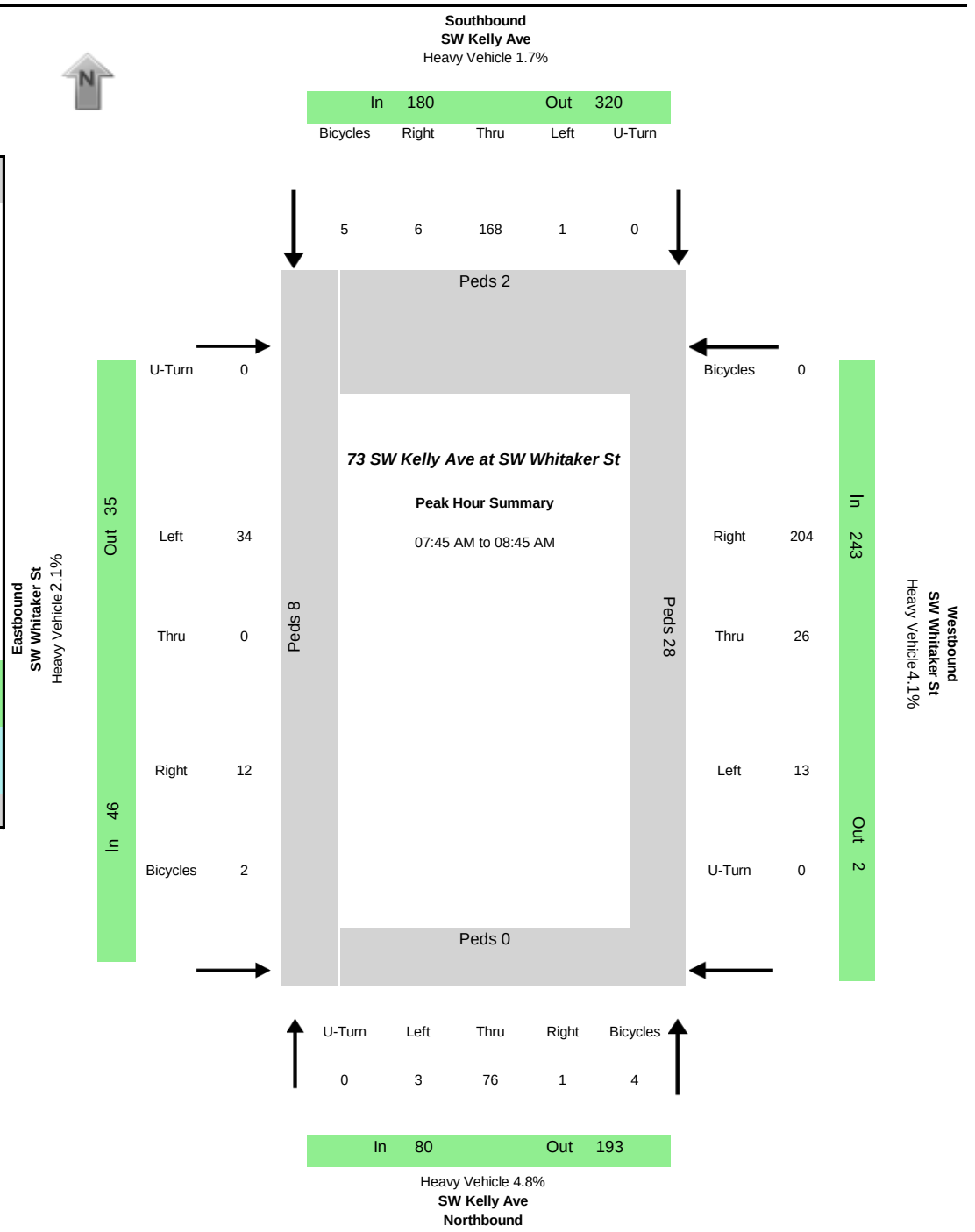
in Crosswalk				
NB	SB	EB	WB	**Sum**
0	0		1	1

All Vehicle Volumes

	Northbound				Southbound				Eastbound				Westbound					
	SW Barbur Blvd				SW Barbur Blvd								SW Whitaker St				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
07:00:00 AM		58	0	0	0	12		0					1		4	0		
07:05:00 AM		60	0	0	0	10		0					5		6	0		
07:10:00 AM		80	0	0	1	17		0					3		9	0	266	
07:15:00 AM		58	3	0	1	11		0					1		8	0	273	
07:20:00 AM		81	0	0	0	17		0					1		8	0	299	
07:25:00 AM		104	5	0	0	13		0					0		3	0	314	
07:30:00 AM		116	1	0	0	14		0					3		3	0	369	
07:35:00 AM		114	2	0	0	12		0					3		3	0	396	
07:40:00 AM		114	1	0	0	11		0					1		5	0	403	
07:45:00 AM		137	3	0	0	18		0					2		3	0	429	
07:50:00 AM		128	1	0	0	18		0					4		8	0	454	
07:55:00 AM		124	1	0	2	25		0					1		6	0	481	1464
08:00:00 AM		133	5	0	0	12		0					0		1	0	469	1540
08:05:00 AM		131	4	0	1	19		0					2		8	0	475	1624
08:10:00 AM		135	4	0	1	24		0					3		9	0	492	1690
08:15:00 AM		115	5	0	0	16		0					1		4	0	482	1749
08:20:00 AM		123	4	0	1	20		0					0		7	0	472	1797
08:25:00 AM		140	3	0	0	14		0					2		6	0	461	1837
08:30:00 AM		137	2	0	0	23		0					1		4	0	487	1867
08:35:00 AM		109	1	0	0	21		0					0		7	0	470	1871
08:40:00 AM		112	1	0	0	26		0					0		8	0	452	1886
08:45:00 AM		136	4	0	1	18		0					0		10	0	454	1892
08:50:00 AM		122	0	0	0	14		0					1		7	0	460	1877
08:55:00 AM		105	0	0	1	27		0					0		9	0	455	1860

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW Kelly Ave*
E/W street	*SW Whitaker St*
City, State	Portland OR
Site Notes	
Location	45.498614 - -122.674855
Start Date	Wednesday, October 24, 2018
Start Time	07:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:45:00 AM
Peak 15 Min Start	08:15:00 AM
PHF (15-Min Int)	0.91



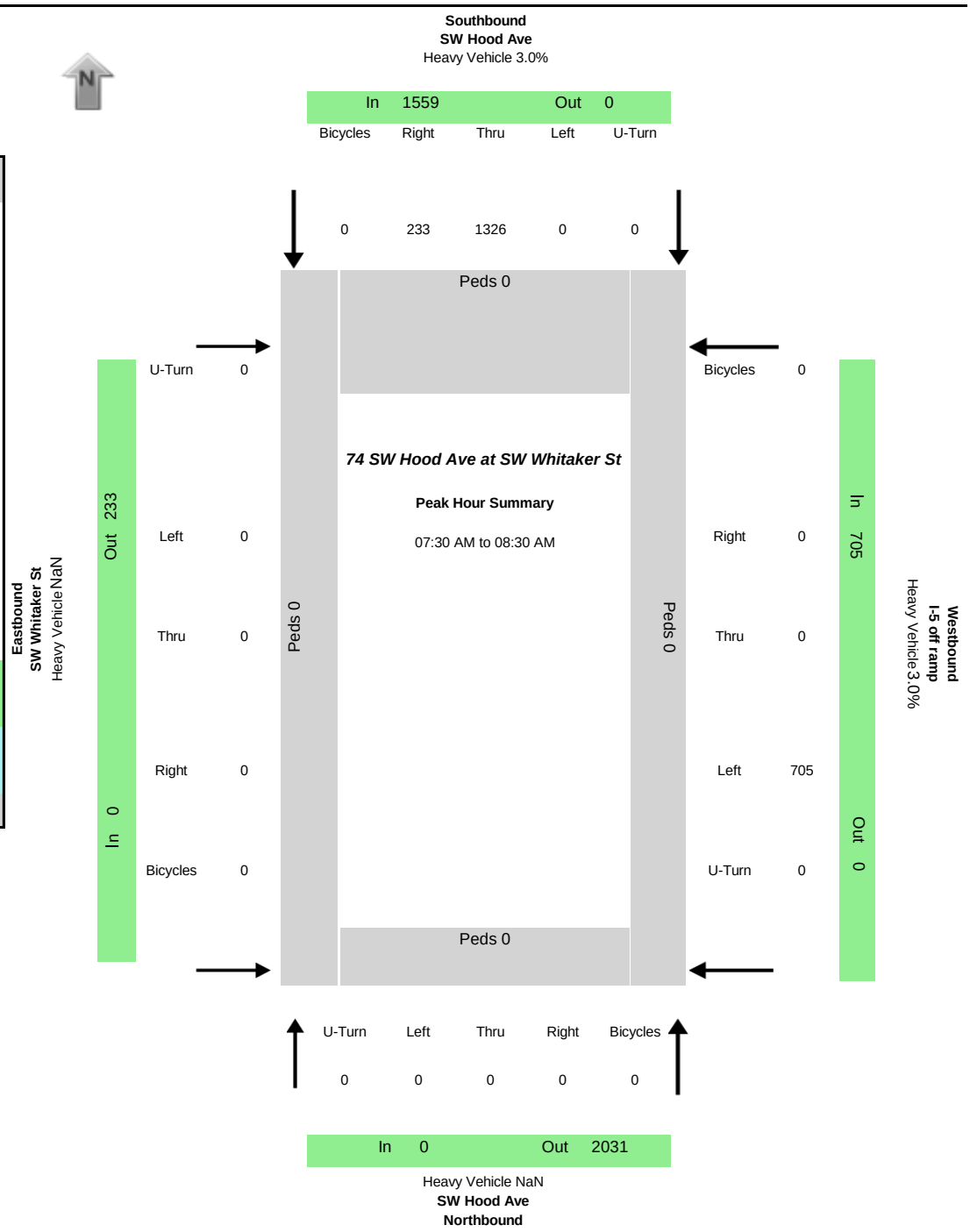
Peak-Hour Volumes (PHV)																							
Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
3	76	1	0	1	168	6	0	34	0	12	0	13	26	204	0	80	175	46	243	193	314	35	2
Percent Heavy Vehicles																							
33.3%	3.9%	0.0%	0.0%	0.0%	1.8%	0.0%	0.0%	2.9%	0.0%	0.0%	0.0%	0.0%	3.8%	4.4%	0.0%	5.0%	1.7%	2.2%	4.1%	1.6%	4.1%	5.7%	0.0%

PHV- Bicycles																	PHV - Pedestrians				
Northbound				Southbound				Eastbound				Westbound					in Crosswalk				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**	NB	SB	EB	WB	**Sum**
0	4	0	0	0	4	1	0	2	0	0	0	0	0	0	0	11	0	2	8	28	38

All Vehicle Volumes																		
	Northbound				Southbound				Eastbound				Westbound					
	SW Kelly Ave				SW Kelly Ave				SW Whitaker St				SW Whitaker St				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
07:00:00 AM	0	1	0	0	0	6	0	0	2	0	0	0	0	1	13	0		
07:05:00 AM	1	2	0	0	0	4	0	0	1	0	1	0	2	0	11	0		
07:10:00 AM	0	1	0	0	0	5	0	0	4	0	1	0	0	0	7	0	63	
07:15:00 AM	0	4	0	0	0	7	0	0	2	0	1	0	2	0	9	0	65	
07:20:00 AM	1	4	0	0	0	13	0	0	0	0	0	0	2	2	9	0	74	
07:25:00 AM	0	5	0	0	0	7	1	0	1	0	0	0	0	1	9	0	80	
07:30:00 AM	0	5	0	0	0	10	0	0	0	0	0	0	0	1	16	0	87	
07:35:00 AM	1	6	0	0	0	19	0	0	1	0	0	0	1	1	16	0	101	
07:40:00 AM	0	11	0	0	0	8	0	0	1	0	1	0	1	2	15	0	116	
07:45:00 AM	0	10	0	0	0	11	0	0	2	0	1	0	1	2	19	0	130	
07:50:00 AM	0	6	0	0	0	11	0	0	1	0	0	0	3	2	17	0	125	
07:55:00 AM	1	8	0	0	0	18	0	0	1	0	0	0	1	3	17	0	135	394
08:00:00 AM	1	5	0	0	0	13	0	0	3	0	0	0	0	2	13	0	126	408
08:05:00 AM	0	9	0	0	0	14	1	0	2	0	0	0	1	1	14	0	128	428
08:10:00 AM	1	9	0	0	0	13	0	0	3	0	3	0	0	2	14	0	124	455
08:15:00 AM	0	7	0	0	0	13	0	0	3	0	1	0	1	0	21	0	133	476
08:20:00 AM	0	5	0	0	0	15	2	0	3	0	1	0	0	2	23	0	142	496
08:25:00 AM	0	5	0	0	0	15	0	0	4	0	1	0	3	5	19	0	149	524
08:30:00 AM	0	7	1	0	1	16	1	0	4	0	0	0	1	3	10	0	147	536
08:35:00 AM	0	2	0	0	0	13	2	0	5	0	4	0	0	2	18	0	142	537
08:40:00 AM	0	3	0	0	0	16	0	0	3	0	1	0	2	2	19	0	136	544
08:45:00 AM	0	5	0	0	0	9	1	0	2	0	0	0	2	0	12	0	123	529
08:50:00 AM	0	6	0	0	0	15	0	0	2	0	0	0	2	2	6	0	110	522
08:55:00 AM	1	5	0	0	1	12	0	0	0	0	1	0	1	1	16	0	102	511

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW Hood Ave*
E/W street	*SW Whitaker St*
City, State	Portland OR
Site Notes	
Location	45.498709 - -122.673863
Start Date	Wednesday, October 24, 2018
Start Time	07:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:30:00 AM
Peak 15 Min Start	07:55:00 AM
PHF (15-Min Int)	0.94



Peak-Hour Volumes (PHV)

Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
0	0	0	0	0	1326	233	0	0	0	0	0	705	0	0	0	0	1559	0	705	2031	0	233	0
Percent Heavy Vehicles																							
0.0%	0.0%	0.0%	0.0%	0.0%	2.9%	3.9%	0.0%	0.0%	0.0%	0.0%	0.0%	3.0%	0.0%	0.0%	0.0%	#DIV/0!	3.0%	#DIV/0!	3.0%	2.9%	0.0%	3.9%	0.0%

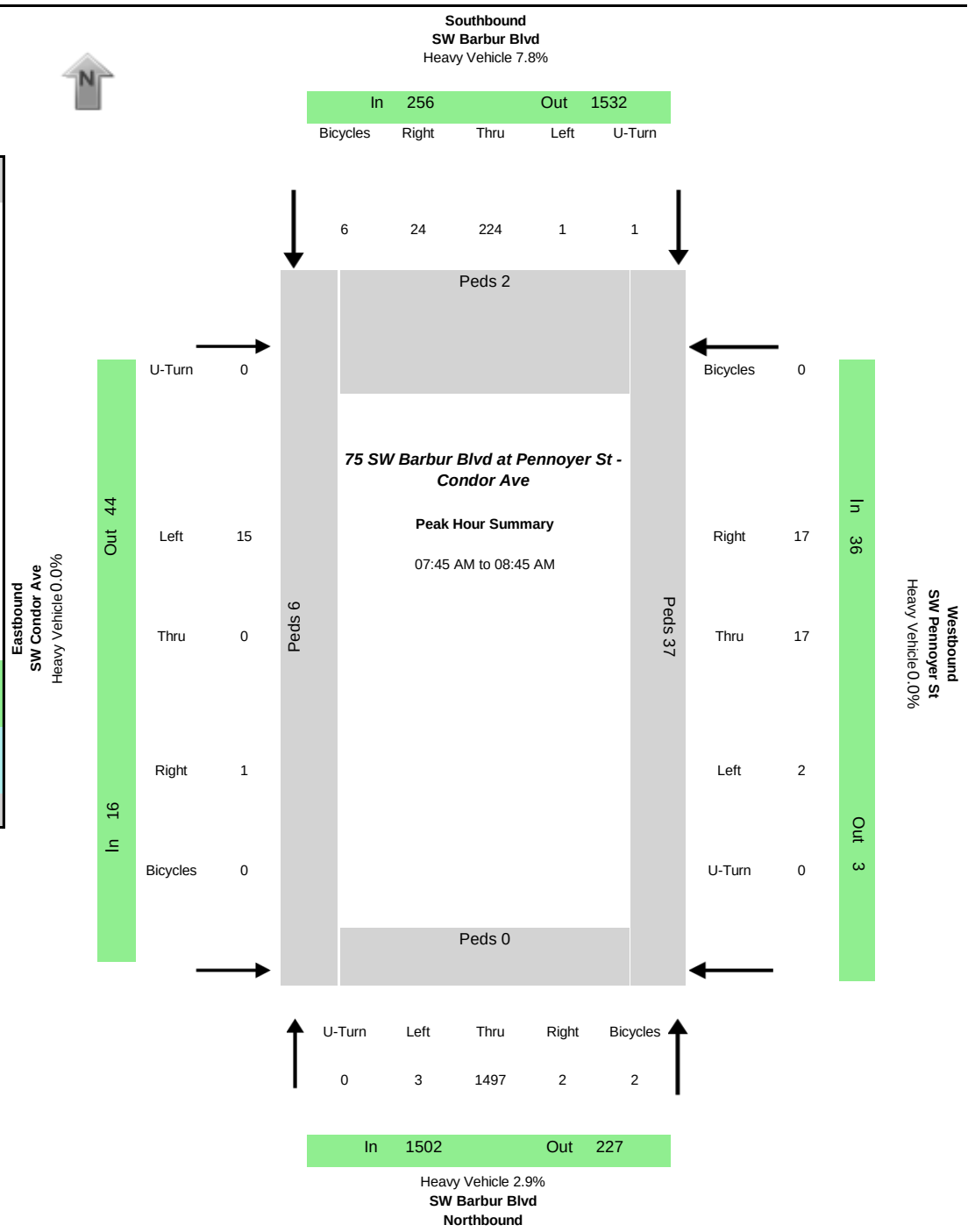
PHV- Bicycles																	PHV - Pedestrians				
Northbound				Southbound				Eastbound				Westbound					in Crosswalk				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	NB	SB	EB	WB	Sum
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

All Vehicle Volumes

	Northbound				Southbound				Eastbound				Westbound					
	SW Hood Ave				SW Hood Ave				SW Whitaker St				I-5 off ramp				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
07:00:00 AM	0	0	0	0	0	55	14	0	0	0	0	0	45	0	0	0		
07:05:00 AM	0	0	0	0	0	95	14	0	0	0	0	0	34	0	0	0		
07:10:00 AM	0	0	0	0	0	100	5	0	0	0	0	0	39	0	0	0	401	
07:15:00 AM	0	0	0	0	0	121	12	0	0	0	0	0	34	0	0	0	454	
07:20:00 AM	0	0	0	0	0	101	11	0	0	0	0	0	43	0	0	0	466	
07:25:00 AM	0	0	0	0	0	94	14	0	0	0	0	0	46	0	0	0	476	
07:30:00 AM	0	0	0	0	0	122	13	0	0	0	0	0	38	0	0	0	482	
07:35:00 AM	0	0	0	0	0	114	18	0	0	0	0	0	46	0	0	0	505	
07:40:00 AM	0	0	0	0	0	119	21	0	0	0	0	0	58	0	0	0	549	
07:45:00 AM	0	0	0	0	0	100	20	0	0	0	0	0	52	0	0	0	548	
07:50:00 AM	0	0	0	0	0	122	21	0	0	0	0	0	54	0	0	0	567	
07:55:00 AM	0	0	0	0	0	111	20	0	0	0	0	0	82	0	0	0	582	2008
08:00:00 AM	0	0	0	0	0	113	16	0	0	0	0	0	51	0	0	0	590	2074
08:05:00 AM	0	0	0	0	0	123	15	0	0	0	0	0	68	0	0	0	599	2137
08:10:00 AM	0	0	0	0	0	94	16	0	0	0	0	0	65	0	0	0	561	2168
08:15:00 AM	0	0	0	0	0	78	22	0	0	0	0	0	72	0	0	0	553	2173
08:20:00 AM	0	0	0	0	0	113	24	0	0	0	0	0	60	0	0	0	544	2215
08:25:00 AM	0	0	0	0	0	117	27	0	0	0	0	0	59	0	0	0	572	2264
08:30:00 AM	0	0	0	0	0	91	16	0	0	0	0	0	53	0	0	0	560	2251
08:35:00 AM	0	0	0	0	0	81	21	0	0	0	0	0	50	0	0	0	515	2225
08:40:00 AM	0	0	0	0	0	117	20	0	0	0	0	0	56	0	0	0	505	2220
08:45:00 AM	0	0	0	0	0	102	14	0	0	0	0	0	76	0	0	0	537	2240
08:50:00 AM	0	0	0	0	0	80	9	0	0	0	0	0	62	0	0	0	536	2194
08:55:00 AM	0	0	0	0	0	85	17	0	0	0	1	0	64	0	0	0	510	2148

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW Barbur Blvd*
E/W street	*SW Condor Ave*
City, State	Portland OR
Site Notes	
Location	45.497146 - -122.678898
Start Date	Wednesday, October 24, 2018
Start Time	07:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:45:00 AM
Peak 15 Min Start	08:00:00 AM
PHF (15-Min Int)	0.96



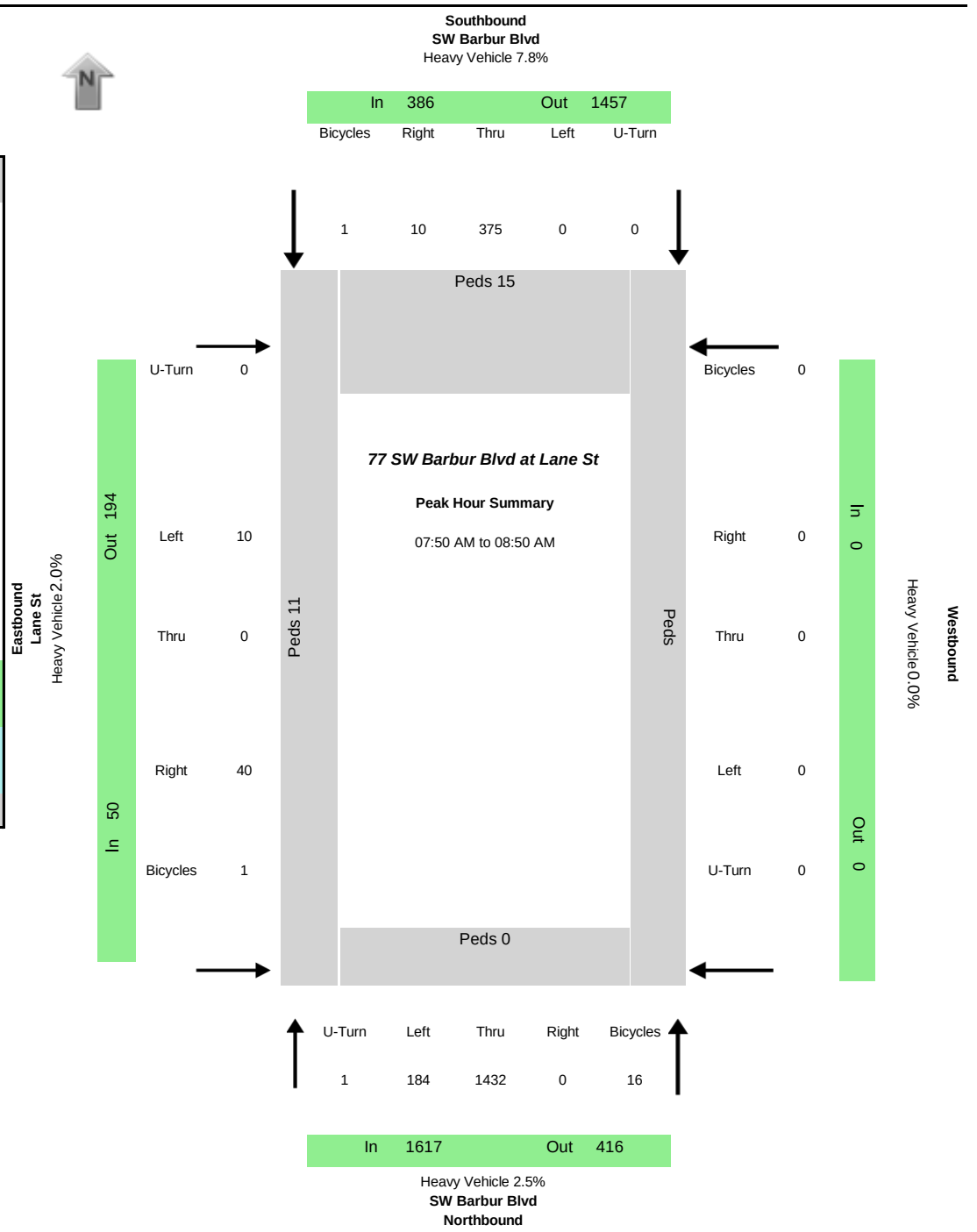
Peak-Hour Volumes (PHV)																							
Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
3	1497	2	0	1	224	24	1	15	0	1	0	2	17	17	0	1502	250	16	36	227	1530	44	3
Percent Heavy Vehicles																							
0.0%	2.9%	0.0%	0.0%	0.0%	8.5%	4.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.9%	8.0%	0.0%	0.0%	8.4%	2.9%	2.3%	0.0%

PHV- Bicycles																	PHV - Pedestrians				
Northbound				Southbound				Eastbound				Westbound					in Crosswalk				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**	NB	SB	EB	WB	**Sum**
0	2	0	0	0	3	3	0	0	0	0	0	0	0	0	0	8	0	2	6	37	45

All Vehicle Volumes																		
	Northbound				Southbound				Eastbound				Westbound					
	SW Barbur Blvd				SW Barbur Blvd				SW Condor Ave				SW Pennoyer St				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
07:00:00 AM	0	52	0	0	0	11	1	0	0	0	0	0	0	0	0	0		
07:05:00 AM	0	61	0	0	0	11	6	0	0	0	0	0	0	0	0	0		
07:10:00 AM	0	79	0	0	0	13	4	0	2	0	0	0	0	0	0	0	240	
07:15:00 AM	0	69	0	0	0	12	0	0	0	0	0	0	0	3	0	0	260	
07:20:00 AM	1	84	0	0	0	13	3	0	1	0	0	0	0	3	2	0	289	
07:25:00 AM	0	98	0	0	0	14	1	0	1	0	0	0	0	1	2	0	308	
07:30:00 AM	0	117	0	0	0	14	3	0	1	0	0	0	1	1	0	0	361	
07:35:00 AM	0	113	0	0	0	11	3	0	1	0	0	0	0	2	1	0	385	
07:40:00 AM	0	108	0	0	0	12	1	0	1	0	0	0	0	2	1	0	393	
07:45:00 AM	0	131	0	0	0	16	2	1	2	0	0	0	1	1	0	0	410	
07:50:00 AM	0	136	0	0	0	19	5	0	0	0	0	0	0	1	0	0	440	
07:55:00 AM	0	123	0	0	0	22	3	0	1	0	0	0	0	1	0	0	465	1406
08:00:00 AM	0	129	0	0	0	11	1	0	3	0	0	0	0	3	0	0	458	1489
08:05:00 AM	0	133	1	0	0	18	3	0	2	0	0	0	0	1	1	0	456	1570
08:10:00 AM	0	132	1	0	1	23	3	0	3	0	0	0	0	1	0	0	470	1636
08:15:00 AM	2	120	0	0	0	17	1	0	0	0	0	0	1	3	1	0	468	1697
08:20:00 AM	0	118	0	0	0	19	0	0	1	0	0	0	0	0	3	0	450	1731
08:25:00 AM	1	139	0	0	0	12	2	0	3	0	1	0	0	2	1	0	447	1775
08:30:00 AM	0	119	0	0	0	22	1	0	0	0	0	0	0	1	7	0	452	1788
08:35:00 AM	0	111	0	0	0	20	3	0	0	0	0	0	0	0	3	0	448	1794
08:40:00 AM	0	106	0	0	0	25	0	0	0	0	0	0	0	3	1	0	422	1804
08:45:00 AM	1	130	0	0	0	19	0	0	1	0	0	0	0	1	1	0	425	1803
08:50:00 AM	0	128	0	0	0	14	1	0	0	0	2	0	0	1	0	0	434	1788
08:55:00 AM	1	102	0	0	0	25	1	0	0	0	0	0	0	3	1	0	432	1771

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW Barbur Blvd*
E/W street	*Lane St*
City, State	Portland OR
Site Notes	
Location	45.495783 - -122.678005
Start Date	Tuesday, October 23, 2018
Start Time	07:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:50:00 AM
Peak 15 Min Start	08:25:00 AM
PHF (15-Min Int)	0.92



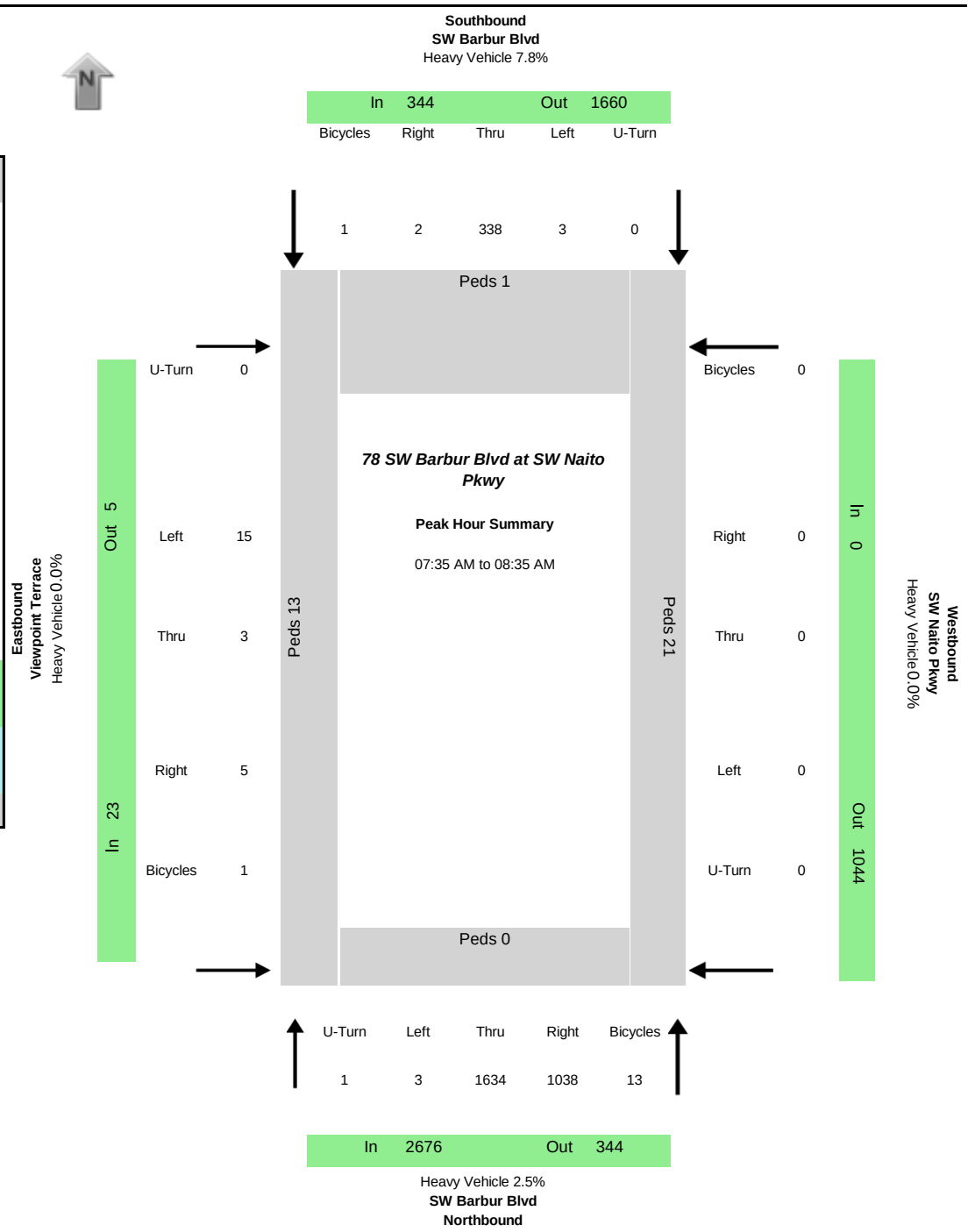
Peak-Hour Volumes (PHV)																							
Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
184	1432	0	1	0	375	10	0	10	0	40	0	0	0	0	0	1617	385	50	0	416	1442	194	0
Percent Heavy Vehicles																							
1.1%	2.7%	0.0%	0.0%	0.0%	8.0%	0.0%	0.0%	0.0%	0.0%	2.5%	0.0%	0.0%	0.0%	0.0%	0.0%	2.5%	7.8%	2.0%	0.0%	7.5%	2.7%	1.0%	0.0%

PHV- Bicycles																	PHV - Pedestrians				
Northbound				Southbound				Eastbound				Westbound					in Crosswalk				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**	NB	SB	EB	WB	**Sum**
2	14		0		1	0	0	1		0	0					18	0	15	11		26

All Vehicle Volumes																		
	Northbound				Southbound				Eastbound				Westbound					
	SW Barbur Blvd				SW Barbur Blvd				Lane St								15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
07:00:00 AM	15	62		0		11	1	0	0		4	0						
07:05:00 AM	12	67		0		6	0	0	1		1	0						
07:10:00 AM	21	55		0		16	0	0	0		3	0					275	
07:15:00 AM	15	93		0		10	4	0	0		0	0					304	
07:20:00 AM	9	96		0		4	1	0	0		3	0					330	
07:25:00 AM	22	103		0		13	0	0	0		2	0					375	
07:30:00 AM	14	120		0		17	0	0	0		3	0					407	
07:35:00 AM	17	113		0		15	0	0	1		5	0					445	
07:40:00 AM	15	118		0		22	0	0	0		6	0					466	
07:45:00 AM	22	110		0		17	1	0	3		2	0					467	
07:50:00 AM	12	137		0		14	1	0	2		2	0					484	
07:55:00 AM	26	132		0		20	1	0	0		2	0					504	1620
08:00:00 AM	9	117		0		18	1	0	1		3	0					498	1676
08:05:00 AM	14	97		1		20	2	0	0		3	0					467	1726
08:10:00 AM	14	137		0		34	2	0	1		6	0					480	1825
08:15:00 AM	14	128		0		37	0	0	1		5	0					516	1888
08:20:00 AM	15	100		0		28	1	0	0		2	0					525	1921
08:25:00 AM	22	120		0		38	1	0	3		0	0					515	1965
08:30:00 AM	18	142		0		39	0	0	1		5	0					535	2016
08:35:00 AM	12	112		0		43	0	0	1		0	0					557	2033
08:40:00 AM	14	94		0		45	0	0	0		9	0					535	2034
08:45:00 AM	14	116		0		39	1	0	0		3	0					503	2052
08:50:00 AM	15	116		0		32	1	0	1		2	0					502	2051
08:55:00 AM	10	88		0		26	0	0	0		3	0					467	1997

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW Barbur Blvd*
E/W street	*Viewpoint Terrace*
City, State	Portland OR
Site Notes	
Location	45.49567 - -122.67787
Start Date	Tuesday, October 23, 2018
Start Time	07:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:35:00 AM
Peak 15 Min Start	07:45:00 AM
PHF (15-Min Int)	0.95



Peak-Hour Volumes (PHV)

Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
3	1634	1038	1	3	338	2	0	15	3	5	0	0	0	0	0	2676	343	23	0	344	1649	5	1044
Percent Heavy Vehicles																							
0.0%	2.3%	2.9%	0.0%	0.0%	8.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.5%	7.9%	0.0%	0.0%	7.8%	2.2%	0.0%	2.9%

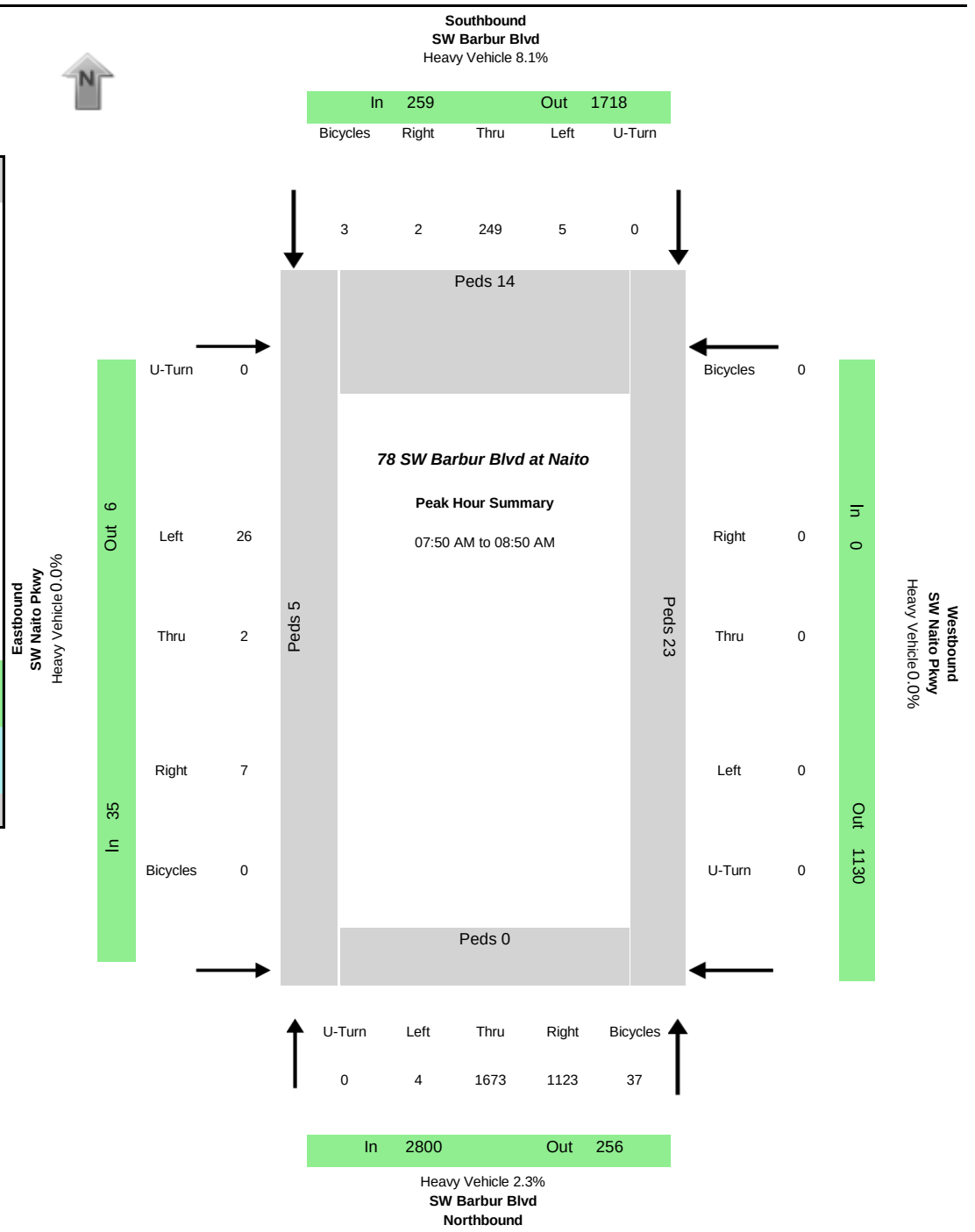
PHV- Bicycles																	PHV - Pedestrians				
Northbound				Southbound				Eastbound				Westbound					in Crosswalk				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**	NB	SB	EB	WB	**Sum**
0	10	3	0	0	1	0	0	1	0	0	0	0	0	0	0	15	0	1	13	21	35

All Vehicle Volumes

	Northbound				Southbound				Eastbound				Westbound					
	SW Barbur Blvd				SW Barbur Blvd				Viewpoint Terrace				SW Naito Pkwy				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
07:00:00 AM	2	77	62	0	2	12	1	0	0	0	0	0	0	0	0	0		
07:05:00 AM	0	79	72	0	1	5	1	0	0	0	0	0	0	0	0	0		
07:10:00 AM	0	74	63	0	0	19	0	0	2	1	0	0	0	0	0	0	473	
07:15:00 AM	0	105	83	0	0	10	0	0	3	1	0	0	0	0	0	0	519	
07:20:00 AM	2	103	99	0	0	6	1	0	2	0	1	0	0	0	0	0	575	
07:25:00 AM	1	125	77	0	0	15	0	0	0	0	0	0	0	0	0	0	634	
07:30:00 AM	0	130	78	0	0	20	0	0	4	0	0	0	0	0	0	0	664	
07:35:00 AM	0	128	106	0	1	19	0	0	2	1	2	0	0	0	0	0	709	
07:40:00 AM	0	131	107	0	0	28	0	0	2	0	0	0	0	0	0	0	759	
07:45:00 AM	0	130	82	0	0	19	0	0	2	1	0	0	0	0	0	0	761	
07:50:00 AM	0	148	102	0	0	16	0	0	1	0	0	0	0	0	0	0	769	
07:55:00 AM	0	157	119	0	1	21	0	0	1	0	0	0	0	0	0	0	800	2666
08:00:00 AM	0	125	65	0	0	21	0	0	1	0	0	0	0	0	0	0	778	2722
08:05:00 AM	0	109	63	1	0	23	0	0	2	0	0	0	0	0	0	0	709	2762
08:10:00 AM	0	150	76	0	0	39	1	0	1	0	0	0	0	0	0	0	677	2870
08:15:00 AM	1	142	86	0	0	42	0	0	0	0	0	0	0	0	0	0	736	2939
08:20:00 AM	1	115	81	0	1	29	0	0	0	1	2	0	0	0	0	0	768	2955
08:25:00 AM	0	142	73	0	0	38	0	0	0	0	0	0	0	0	0	0	754	2990
08:30:00 AM	1	157	78	0	0	43	1	0	3	0	1	0	0	0	0	0	767	3042
08:35:00 AM	1	122	90	0	0	43	0	0	2	0	0	0	0	0	0	0	795	3041
08:40:00 AM	0	108	69	0	2	52	0	0	0	0	1	0	0	0	0	0	774	3005
08:45:00 AM	1	129	56	0	0	42	0	0	1	0	0	0	0	0	0	0	719	3000
08:50:00 AM	0	128	108	0	2	33	0	0	3	0	0	0	0	0	0	0	735	3007
08:55:00 AM	1	98	80	0	0	29	0	0	0	0	1	0	0	0	0	0	712	2917

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW Barbur Blvd*
E/W street	*SW Naito Pkwy*
City, State	Portland OR
Site Notes	
Location	45.495565 - -122.677805
Start Date	Wednesday, October 24, 2018
Start Time	07:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:50:00 AM
Peak 15 Min Start	07:50:00 AM
PHF (15-Min Int)	0.98



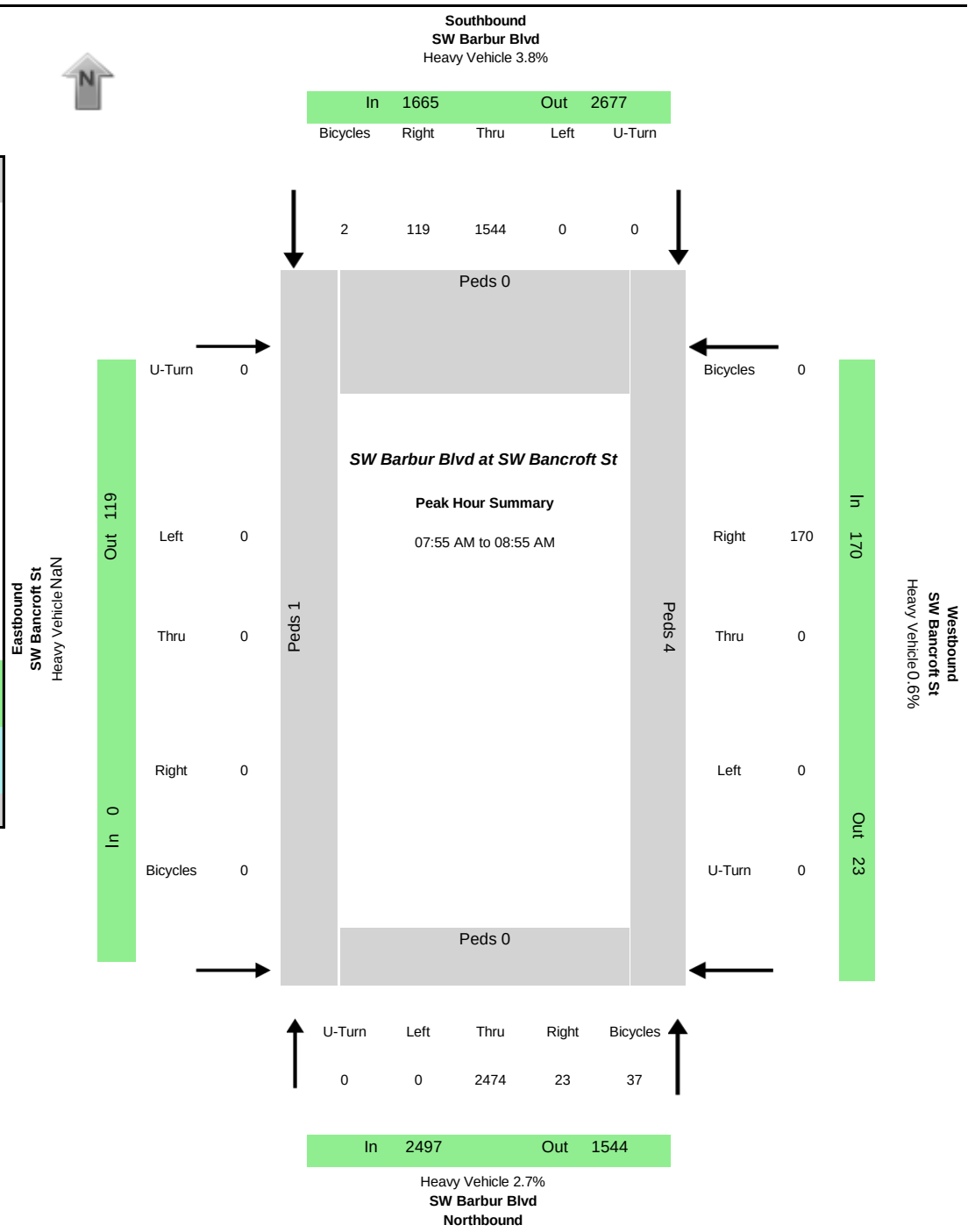
Peak-Hour Volumes (PHV)																							
Northbound				**Southbound**				**Eastbound**				**Westbound**				**Entering**				**Leaving**			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
4	1673	1123	0	5	249	2	0	26	2	7	0	0	0	0	0	2800	256	35	0	256	1699	6	1130
Percent Heavy Vehicles																							
0.0%	2.4%	2.2%	0.0%	0.0%	8.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.3%	8.2%	0.0%	0.0%	8.2%	2.4%	0.0%	2.2%

PHV- Bicycles																	PHV - Pedestrians				
Northbound				**Southbound**				**Eastbound**				**Westbound**					in Crosswalk				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**	NB	SB	EB	WB	**Sum**
0	19	18	0	0	3	0	0	0	0	0	0	0	0	0	0	40	0	14	5	23	42

All Vehicle Volumes																			
	Northbound				**Southbound**				**Eastbound**				**Westbound**					
	SW Barbur Blvd				SW Barbur Blvd				SW Naito Pkwy				SW Naito Pkwy				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
07:00:00 AM	0	68	61	0	0	9	0	0	0	1	0	0	0	0	0	0		
07:05:00 AM	0	74	44	0	0	9	0	0	0	0	0	0	0	0	0	0		
07:10:00 AM	0	85	74	0	0	14	0	0	1	0	0	0	0	0	0	0	440	
07:15:00 AM	0	82	97	0	1	9	0	0	1	0	0	0	0	0	0	0	491	
07:20:00 AM	0	115	97	0	0	14	0	0	2	0	0	0	0	0	0	0	592	
07:25:00 AM	0	108	87	0	0	14	0	0	3	0	0	0	0	0	0	0	630	
07:30:00 AM	0	123	112	0	1	14	0	0	3	0	1	0	0	0	0	0	694	
07:35:00 AM	0	140	94	0	0	17	0	0	2	0	2	0	0	0	0	0	721	
07:40:00 AM	0	129	99	0	1	14	0	0	1	0	0	0	0	0	0	0	753	
07:45:00 AM	0	140	87	0	0	22	0	0	4	0	0	0	0	0	0	0	752	
07:50:00 AM	0	149	116	0	0	22	0	0	2	0	0	0	0	0	0	0	786	
07:55:00 AM	0	131	114	0	0	23	0	0	3	0	0	0	0	0	0	0	813	2636
08:00:00 AM	0	134	79	0	1	13	0	0	2	1	0	0	0	0	0	0	790	2727
08:05:00 AM	1	150	97	0	0	23	0	0	5	1	0	0	0	0	0	0	778	2877
08:10:00 AM	1	150	89	0	0	21	0	0	1	0	1	0	0	0	0	0	770	2966
08:15:00 AM	0	132	68	0	0	21	0	0	2	0	1	0	0	0	0	0	764	3000
08:20:00 AM	0	127	95	0	0	18	0	0	1	0	4	0	0	0	0	0	732	3017
08:25:00 AM	1	151	99	0	0	16	1	0	4	0	0	0	0	0	0	0	741	3077
08:30:00 AM	0	150	84	0	2	23	0	0	1	0	0	0	0	0	0	0	777	3083
08:35:00 AM	0	127	89	0	1	21	0	0	2	0	0	0	0	0	0	0	772	3068
08:40:00 AM	0	124	89	0	1	27	0	0	1	0	0	0	0	0	0	0	742	3066
08:45:00 AM	1	148	104	0	0	21	1	0	2	0	1	0	0	0	0	0	760	3091
08:50:00 AM	0	154	99	0	3	17	0	0	0	0	0	0	0	0	0	0	793	3075
08:55:00 AM	0	100	92	0	0	27	1	0	3	0	0	0	0	0	0	0	774	3027

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW Barbur Blvd*
E/W street	*SW Bancroft St*
City, State	Portland OR
Site Notes	
Location	45.492387 - -122.676987
Start Date	Tuesday, October 23, 2018
Start Time	07:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:55:00 AM
Peak 15 Min Start	08:15:00 AM
PHF (15-Min Int)	0.95



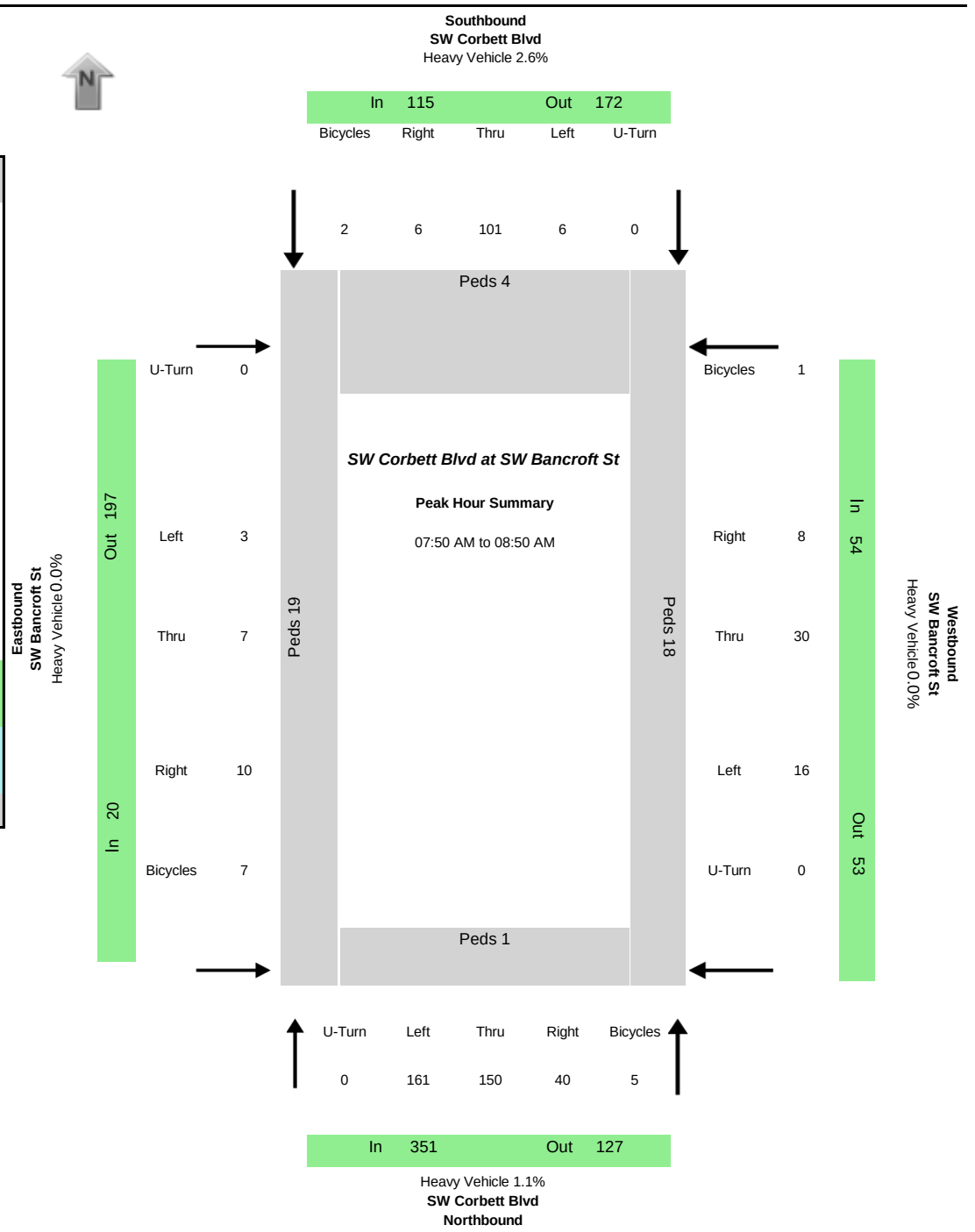
Peak-Hour Volumes (PHV)																							
Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
0	2474	23	0	0	1544	119	0	0	0	0	0	0	0	170	0	2497	1663	0	170	1544	2644	119	23
Percent Heavy Vehicles																							
0.0%	2.8%	0.0%	0.0%	0.0%	4.0%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	0.0%	2.8%	3.8%	#DIV/0!	0.6%	4.0%	2.6%	0.8%	0.0%

PHV- Bicycles																	PHV - Pedestrians				
Northbound				Southbound				Eastbound				Westbound					in Crosswalk				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**	NB	SB	EB	WB	**Sum**
0	33	4	0	0	2	0	0	0	0	0	0	0	0	0	0	39	0	0	1	4	5

All Vehicle Volumes																		
	Northbound				Southbound				Eastbound				Westbound					
	SW Barbur Blvd				SW Barbur Blvd				SW Bancroft St				SW Bancroft St				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
07:00:00 AM	0	130	2	0	0	44	3	0	0	0	0	0	0	0	16	0		
07:05:00 AM	0	150	1	0	0	54	5	0	0	0	0	0	0	0	10	0		
07:10:00 AM	0	143	1	0	0	72	8	0	0	0	0	0	0	0	11	0	650	
07:15:00 AM	0	149	0	0	0	52	7	0	0	0	0	0	0	0	8	0	671	
07:20:00 AM	0	201	2	0	0	51	6	0	0	0	0	0	0	0	15	0	726	
07:25:00 AM	0	212	0	0	0	82	7	0	0	0	0	0	0	0	14	0	806	
07:30:00 AM	0	192	2	0	0	72	6	0	0	0	0	0	0	0	21	0	883	
07:35:00 AM	0	203	1	0	0	77	7	0	0	0	0	0	0	0	9	0	905	
07:40:00 AM	0	244	2	0	0	86	12	0	0	0	0	0	0	0	14	0	948	
07:45:00 AM	0	218	2	0	0	97	11	0	0	0	0	0	0	0	15	0	998	
07:50:00 AM	0	212	2	0	0	72	11	0	0	0	0	0	0	0	20	0	1018	
07:55:00 AM	0	261	5	0	0	73	15	0	0	0	0	0	0	0	18	0	1032	3436
08:00:00 AM	0	229	2	0	0	90	12	0	0	0	0	0	0	0	11	0	1033	3585
08:05:00 AM	0	181	1	0	0	97	12	0	0	0	0	0	0	0	24	0	1031	3680
08:10:00 AM	0	183	2	0	0	125	6	0	0	0	0	0	0	0	13	0	988	3774
08:15:00 AM	0	247	2	0	0	144	7	0	0	0	0	0	0	0	13	0	1057	3971
08:20:00 AM	0	214	2	0	0	133	9	0	0	0	0	0	0	0	9	0	1109	4063
08:25:00 AM	0	187	0	0	0	145	11	0	0	0	0	0	0	0	21	0	1144	4112
08:30:00 AM	0	211	2	0	0	159	9	0	0	0	0	0	0	0	14	0	1126	4214
08:35:00 AM	0	200	0	0	0	149	6	0	0	0	0	0	0	0	16	0	1130	4288
08:40:00 AM	0	177	0	0	0	142	6	0	0	0	0	0	0	0	12	0	1103	4267
08:45:00 AM	0	160	4	0	0	165	13	0	0	0	0	0	0	0	12	0	1062	4278
08:50:00 AM	0	224	3	0	0	122	13	0	0	0	0	0	0	0	7	0	1060	4330
08:55:00 AM	0	197	4	0	0	116	11	0	0	0	0	0	0	0	3	0	1054	4289

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW Corbett Blvd*
E/W street	*SW Bancroft St*
City, State	Portland OR
Site Notes	
Location	45.492328 - -122.676239
Start Date	Tuesday, October 23, 2018
Start Time	07:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:50:00 AM
Peak 15 Min Start	07:55:00 AM
PHF (15-Min Int)	0.87



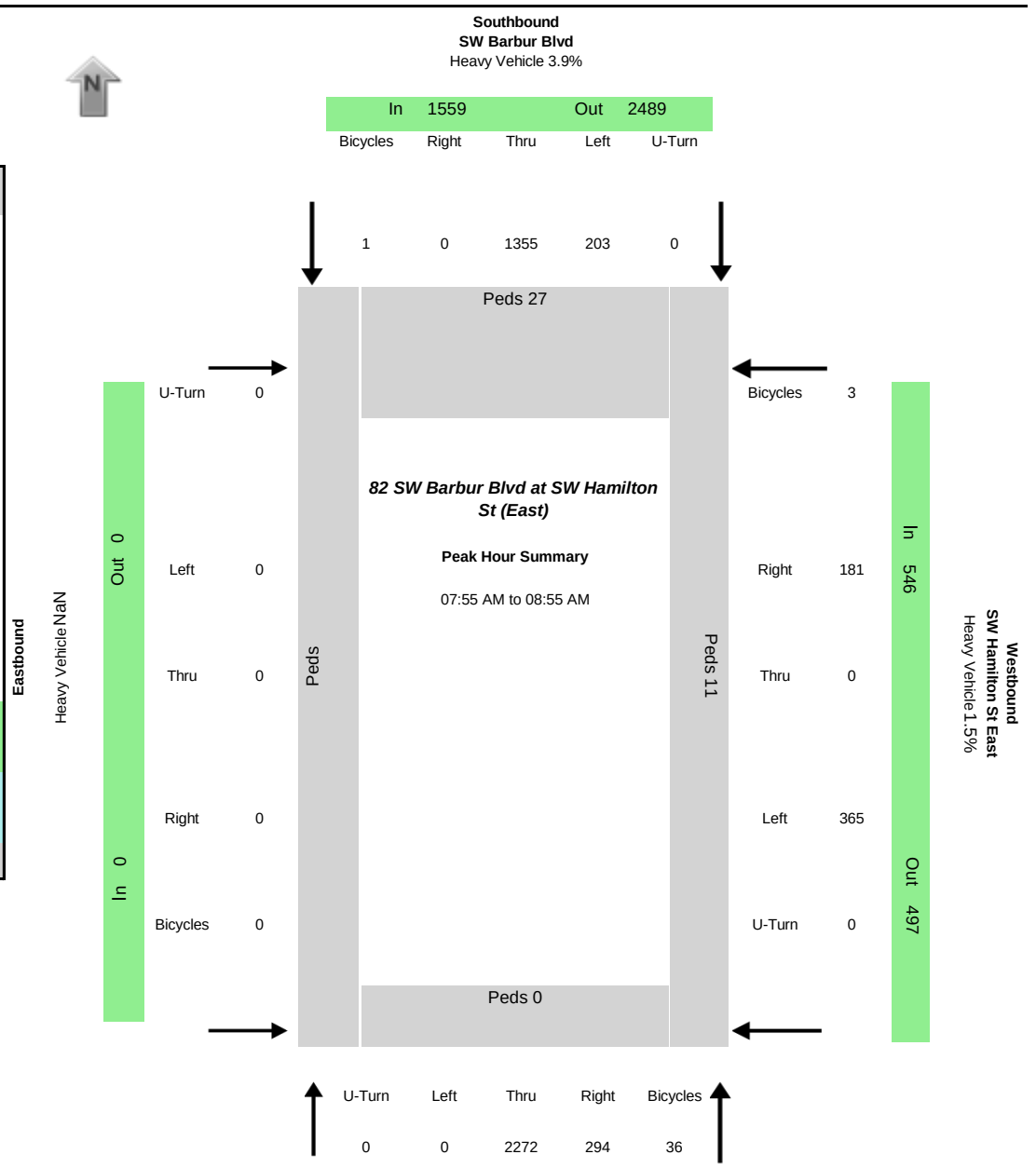
Peak-Hour Volumes (PHV)																							
Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
161	150	40	0	6	101	6	0	3	7	10	0	16	30	8	0	351	113	20	54	127	161	197	53
Percent Heavy Vehicles																							
0.0%	2.7%	0.0%	0.0%	0.0%	3.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.1%	2.7%	0.0%	0.0%	2.4%	2.5%	0.0%	0.0%

PHV- Bicycles																	PHV - Pedestrians				
Northbound				Southbound				Eastbound				Westbound					in Crosswalk				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**	NB	SB	EB	WB	**Sum**
1	4	0	0	0	2	0	0	7	0	0	0	0	1	0	0	15	1	4	19	18	42

All Vehicle Volumes																		
	Northbound				Southbound				Eastbound				Westbound					
	SW Corbett Blvd				SW Corbett Blvd				SW Bancroft St				SW Bancroft St				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
07:00:00 AM	15	7	1	0	0	1	1	0	0	2	0	0	1	1	0	0		
07:05:00 AM	10	6	0	0	0	1	0	0	0	0	1	0	0	0	0	0		
07:10:00 AM	10	10	1	0	0	2	1	0	0	0	1	0	1	1	1	0	75	
07:15:00 AM	6	5	1	0	0	4	1	0	0	0	0	0	0	0	0	0	63	
07:20:00 AM	16	8	1	0	0	1	0	0	0	2	0	0	1	0	0	0	74	
07:25:00 AM	14	15	2	0	0	3	0	0	0	0	0	0	0	2	0	0	82	
07:30:00 AM	21	11	4	0	1	7	1	0	0	1	0	0	0	0	0	0	111	
07:35:00 AM	8	10	4	0	0	2	0	0	0	2	1	0	3	0	0	0	112	
07:40:00 AM	13	13	6	0	1	3	0	0	1	1	0	0	0	4	0	0	118	
07:45:00 AM	12	12	3	0	0	2	0	0	0	2	0	0	1	0	1	0	105	
07:50:00 AM	16	14	4	0	0	0	1	0	0	1	0	0	0	4	0	0	115	
07:55:00 AM	15	16	5	0	0	7	0	0	1	1	2	0	0	4	0	0	124	399
08:00:00 AM	14	13	5	0	1	9	1	0	0	1	1	0	2	2	1	0	141	420
08:05:00 AM	16	15	5	0	1	9	0	0	0	0	1	0	2	3	1	0	154	455
08:10:00 AM	11	13	3	0	2	9	0	0	0	2	0	0	2	2	2	0	149	473
08:15:00 AM	10	10	6	0	0	9	2	0	0	2	1	0	0	2	1	0	142	499
08:20:00 AM	12	6	4	0	0	10	1	0	1	0	1	0	3	4	1	0	132	513
08:25:00 AM	14	9	3	0	0	12	0	0	0	0	1	0	2	3	1	0	131	522
08:30:00 AM	11	14	1	0	0	10	1	0	1	0	1	0	2	4	1	0	134	522
08:35:00 AM	17	15	1	0	1	7	0	0	0	0	0	0	1	1	0	0	134	535
08:40:00 AM	9	18	1	0	1	9	0	0	0	0	0	0	2	1	0	0	130	534
08:45:00 AM	16	7	2	0	0	10	0	0	0	0	2	0	0	0	0	0	121	538
08:50:00 AM	6	10	1	0	0	5	0	0	0	0	2	0	0	1	1	0	104	524
08:55:00 AM	3	11	0	0	1	9	0	0	0	0	2	0	2	0	0	0	91	501

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW Barbur Blvd*
E/W street	*SW Hamilton St East*
City, State	Portland OR
Site Notes	
Location	45.491131 - -122.678061
Start Date	Tuesday, October 23, 2018
Start Time	07:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:55:00 AM
Peak 15 Min Start	08:15:00 AM
PHF (15-Min Int)	0.92



Peak-Hour Volumes (PHV)

Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
0	2272	294	0	203	1355	0	0	0	0	0	0	365	0	181	0	2566	1558	0	546	1720	2453	0	497
Percent Heavy Vehicles																							
0.0%	3.0%	0.7%	0.0%	3.0%	4.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.9%	0.0%	0.6%	0.0%	2.7%	3.9%	#DIV/0!	1.5%	3.6%	2.8%	#DIV/0!	1.6%

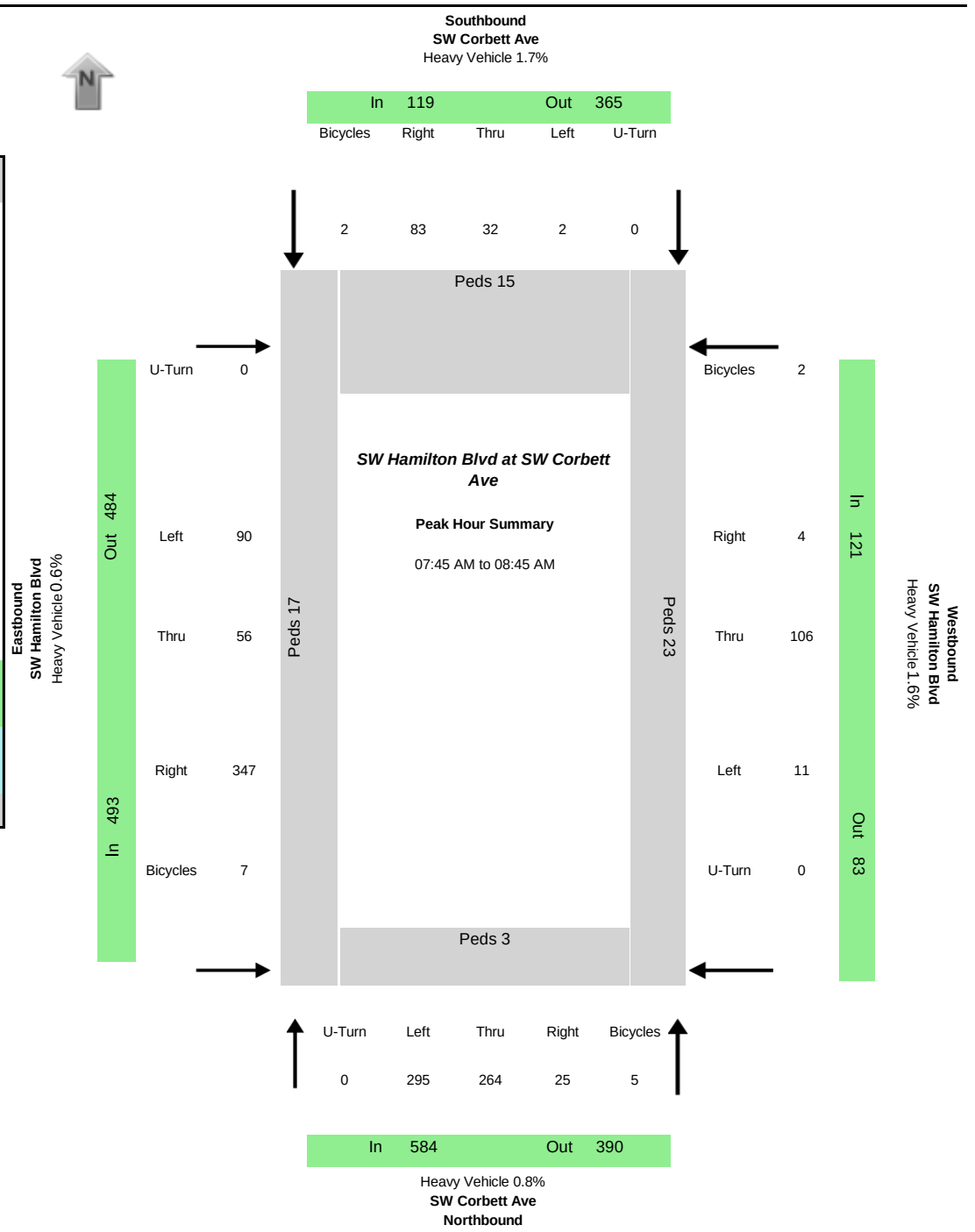
PHV- Bicycles																	PHV - Pedestrians				
Northbound				Southbound				Eastbound				Westbound					in Crosswalk				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**	NB	SB	EB	WB	**Sum**
	36	0	0	0	1		0					3		0	0	40	0	27		11	38

All Vehicle Volumes

	Northbound				Southbound				Eastbound				Westbound					
	SW Barbur Blvd				SW Barbur Blvd								SW Hamilton St East				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
07:00:00 AM		116	13	0	6	28		0					16		17	0		
07:05:00 AM		149	10	0	8	58		0					12		5	0		
07:10:00 AM		138	10	0	10	57		0					14		11	0	678	
07:15:00 AM		145	8	0	12	43		0					16		18	0	724	
07:20:00 AM		169	22	0	4	44		0					16		14	0	751	
07:25:00 AM		220	23	1	10	69		0					14		10	0	858	
07:30:00 AM		176	14	0	12	61		0					27		22	0	928	
07:35:00 AM		169	18	0	23	64		0					33		17	0	983	
07:40:00 AM		229	32	0	5	66		0					19		14	0	1001	
07:45:00 AM		210	31	0	22	84		0					7		27	0	1070	
07:50:00 AM		202	22	0	16	61		0					17		19	0	1083	
07:55:00 AM		225	30	0	17	53		0					20		24	0	1087	3624
08:00:00 AM		218	32	0	12	77		0					23		6	0	1074	3796
08:05:00 AM		183	20	0	19	81		0					33		15	0	1088	3905
08:10:00 AM		141	20	0	18	111		0					38		20	0	1067	4013
08:15:00 AM		235	37	0	11	111		0					31		12	0	1136	4208
08:20:00 AM		231	18	0	17	138		0					21		6	0	1216	4370
08:25:00 AM		161	24	0	15	138		0					44		20	0	1270	4425
08:30:00 AM		181	26	0	16	139		0					45		12	0	1252	4532
08:35:00 AM		181	22	0	13	121		0					29		19	0	1206	4593
08:40:00 AM		178	23	0	28	137		0					20		10	0	1200	4624
08:45:00 AM		174	26	0	21	139		0					29		22	0	1192	4654
08:50:00 AM		164	16	0	16	110		0					32		15	0	1160	4670
08:55:00 AM		193	29	0	18	92		1					10		5	0	1112	4649

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW Corbett Ave*
E/W street	*SW Hamilton Blvd*
City, State	Portland OR
Site Notes	
Location	45.490845 - -122.67626
Start Date	Tuesday, October 23, 2018
Start Time	07:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:45:00 AM
Peak 15 Min Start	07:55:00 AM
PHF (15-Min Int)	0.97



Peak-Hour Volumes (PHV)

Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
295	264	25	0	2	32	83	0	90	56	347	0	11	106	4	0	584	117	493	121	390	358	484	83
Percent Heavy Vehicles																							
1.0%	0.8%	0.0%	0.0%	0.0%	6.3%	0.0%	0.0%	1.1%	0.0%	0.6%	0.0%	0.0%	1.9%	0.0%	0.0%	0.9%	1.7%	0.6%	1.7%	1.0%	0.8%	1.0%	0.0%

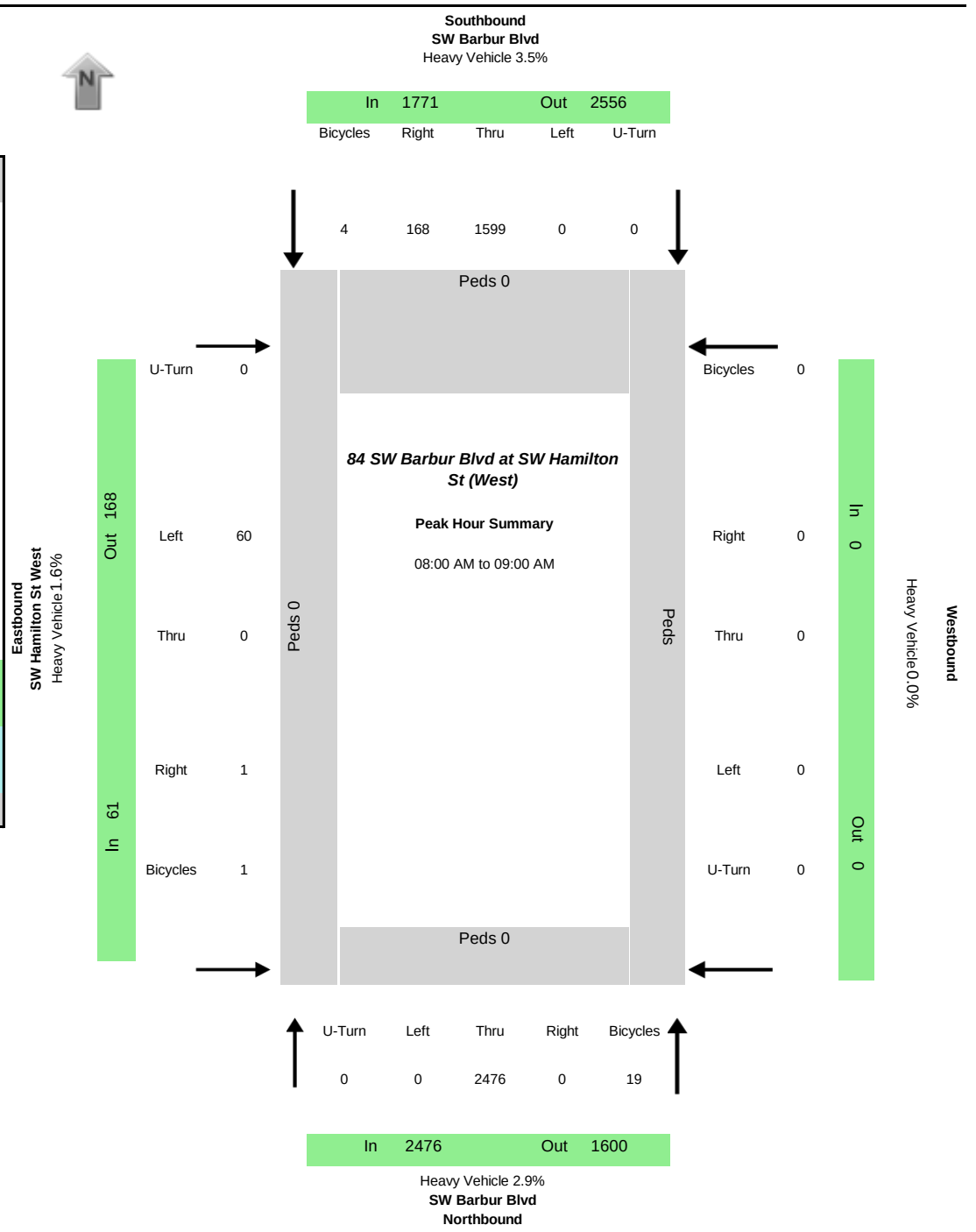
PHV- Bicycles																	PHV - Pedestrians				
Northbound				Southbound				Eastbound				Westbound					in Crosswalk				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**	NB	SB	EB	WB	**Sum**
2	3	0	0	0	1	1	0	4	1	2	0	0	2	0	0	16	3	15	17	23	58

All Vehicle Volumes

	Northbound				Southbound				Eastbound				Westbound					
	SW Corbett Ave				SW Corbett Ave				SW Hamilton Blvd				SW Hamilton Blvd				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
07:00:00 AM	26	25	1	0	0	1	1	0	2	1	14	0	0	2	0	0		
07:05:00 AM	22	10	2	0	0	1	0	0	3	0	14	0	1	0	0	0		
07:10:00 AM	26	19	1	0	0	1	4	0	4	0	11	0	0	0	0	0	192	
07:15:00 AM	23	10	3	0	0	2	2	0	3	1	15	0	0	2	0	0	180	
07:20:00 AM	24	24	2	0	0	1	1	0	4	4	16	0	0	2	0	0	205	
07:25:00 AM	36	24	1	0	0	0	2	0	9	3	21	0	0	0	0	0	235	
07:30:00 AM	25	25	3	0	0	4	4	0	6	6	11	0	0	1	0	0	259	
07:35:00 AM	36	20	5	0	0	2	4	0	5	2	23	0	0	0	0	0	278	
07:40:00 AM	27	23	1	0	0	1	1	0	10	4	29	0	0	0	1	0	279	
07:45:00 AM	31	18	7	0	0	0	1	0	6	5	33	0	1	2	0	0	298	
07:50:00 AM	27	28	2	0	0	0	0	0	6	6	28	0	0	2	1	0	301	
07:55:00 AM	28	28	0	0	0	2	4	0	10	8	23	0	2	4	0	0	313	1019
08:00:00 AM	24	24	3	0	0	3	9	0	6	1	37	0	1	8	0	0	325	1062
08:05:00 AM	20	26	0	0	0	2	9	0	10	3	23	0	2	17	2	0	339	1123
08:10:00 AM	18	18	2	0	1	1	11	0	7	7	27	0	0	15	1	0	338	1165
08:15:00 AM	15	16	1	0	1	4	4	0	11	7	33	0	1	22	0	0	337	1219
08:20:00 AM	22	19	4	0	0	7	6	0	6	3	25	0	1	13	0	0	329	1247
08:25:00 AM	23	17	1	0	0	2	14	0	9	7	24	0	0	8	0	0	326	1256
08:30:00 AM	28	19	1	0	0	6	9	0	6	5	28	0	0	7	0	0	320	1280
08:35:00 AM	32	26	2	0	0	3	7	0	8	1	29	0	1	2	0	0	325	1294
08:40:00 AM	27	25	2	0	0	2	9	0	5	3	37	0	2	6	0	0	338	1315
08:45:00 AM	30	17	0	0	0	6	6	0	10	7	27	0	0	1	0	0	333	1315
08:50:00 AM	26	17	0	0	0	5	2	0	2	2	28	0	0	4	0	0	308	1301
08:55:00 AM	15	12	0	0	0	3	9	0	7	2	34	0	1	0	0	0	273	1275

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW Barbur Blvd*
E/W street	*SW Hamilton St West*
City, State	Portland OR
Site Notes	
Location	45.490868 - -122.67856
Start Date	Tuesday, October 23, 2018
Start Time	07:00:00 AM
Weather	
Study ID #	
Peak Hour Start	08:00:00 AM
Peak 15 Min Start	08:15:00 AM
PHF (15-Min Int)	0.90



Peak-Hour Volumes (PHV)

Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
0	2476	0	0	0	1599	168	0	60	0	1	0	0	0	0	0	2476	1767	61	0	1600	2536	168	0
Percent Heavy Vehicles																							
0.0%	2.9%	0.0%	0.0%	0.0%	3.8%	1.2%	0.0%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.9%	3.5%	1.6%	0.0%	3.8%	2.9%	1.2%	0.0%

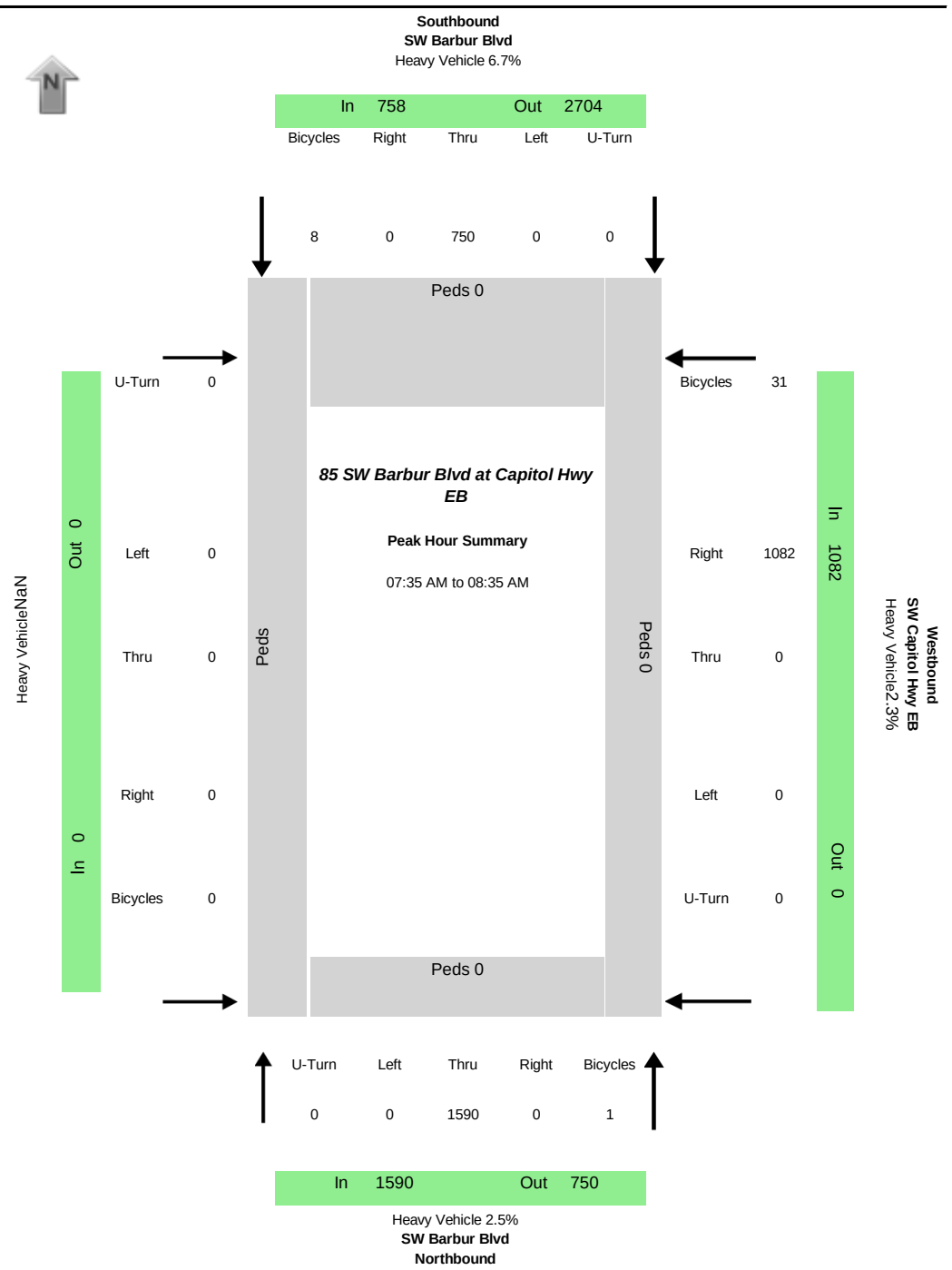
PHV- Bicycles																	PHV - Pedestrians				
Northbound				Southbound				Eastbound				Westbound					in Crosswalk				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	NB	SB	EB	WB	Sum
0	19		0		4	0	0	1		0	0					24	0	0	0		0

All Vehicle Volumes

	Northbound				Southbound				Eastbound				Westbound					
	SW Barbur Blvd				SW Barbur Blvd				SW Hamilton St West								15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
07:00:00 AM	0	122		0		32	13	0	4		0	0						
07:05:00 AM	0	161		0		60	12	0	7		0	0						
07:10:00 AM	0	146		0		52	18	0	1		1	0					629	
07:15:00 AM	0	161		0		44	18	0	1		0	0					682	
07:20:00 AM	0	176		0		37	20	0	6		0	0					681	
07:25:00 AM	0	232		0		73	15	0	5		0	0					788	
07:30:00 AM	0	187		0		69	21	0	9		1	0					851	
07:35:00 AM	0	180		0		77	21	0	12		0	0					902	
07:40:00 AM	0	256		0		67	17	0	9		1	0					927	
07:45:00 AM	0	238		0		81	10	0	6		1	0					976	
07:50:00 AM	0	206		0		63	18	0	8		0	0					981	
07:55:00 AM	0	240		0		57	15	0	8		0	0					951	3295
08:00:00 AM	0	245		0		88	11	0	7		0	0					966	3475
08:05:00 AM	0	200		0		100	18	0	3		0	0					992	3556
08:10:00 AM	0	155		0		137	11	0	12		1	0					988	3654
08:15:00 AM	0	262		0		134	11	0	5		0	0					1049	3842
08:20:00 AM	0	246		0		147	16	0	0		0	0					1137	4012
08:25:00 AM	0	185		0		164	17	0	6		0	0					1193	4059
08:30:00 AM	0	202		0		163	21	0	6		0	0					1173	4164
08:35:00 AM	0	197		0		140	9	0	4		0	0					1114	4224
08:40:00 AM	0	191		0		150	16	0	3		0	0					1102	4234
08:45:00 AM	0	177		0		157	17	0	5		0	0					1066	4254
08:50:00 AM	0	197		0		122	15	0	2		0	0					1052	4295
08:55:00 AM	0	219		0		97	6	0	7		0	0					1021	4304

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW Barbur Blvd*
E/W street	*SW Capitol Hwy EB*
City, State	Portland OR
Site Notes	
Location	45.482004 - -122.680422
Start Date	Wednesday, October 24, 2018
Start Time	06:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:35:00 AM
Peak 15 Min Start	07:40:00 AM
PHF (15-Min Int)	0.95



Peak-Hour Volumes (PHV)

Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
0	1590	0	0	0	750	0	0	0	0	0	0	0	0	1082	0	1590	750	0	1082	750	2672	0	0

Percent Heavy Vehicles

0.0%	2.5%	0.0%	0.0%	0.0%	6.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.4%	0.0%	2.5%	6.8%	#DIV/0!	2.4%	6.8%	2.5%	#DIV/0!	0.0%

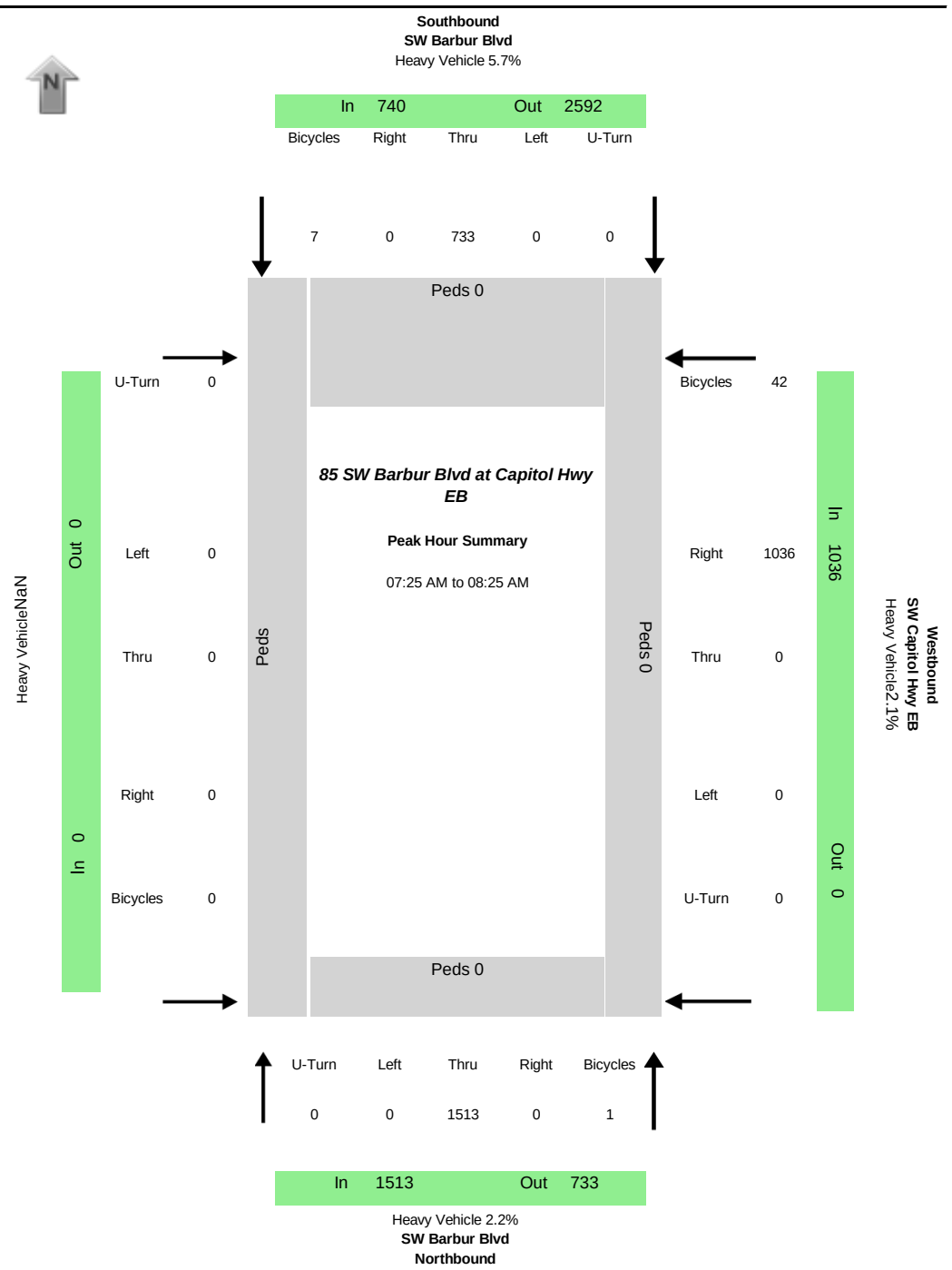
PHV- Bicycles																	PHV - Pedestrians				
Northbound				Southbound				Eastbound				Westbound					in Crosswalk				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	NB	SB	EB	WB	Sum
	1	0	0	0	8		0					0		31	0	40	0	0		0	0

All Vehicle Volumes

	Northbound				Southbound				Eastbound				Westbound					
	SW Barbur Blvd				SW Barbur Blvd								SW Capitol Hwy EB				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
06:00:00 AM		14	0	0	0	13		0					0		15	0		
06:05:00 AM		14	0	0	0	15		0					0		22	0		
06:10:00 AM		13	0	0	0	19		0					0		11	0	136	
06:15:00 AM		23	0	0	0	18		0					0		20	0	155	
06:20:00 AM		24	0	0	0	23		0					0		27	0	178	
06:25:00 AM		28	0	0	0	19		0					0		22	0	204	
06:30:00 AM		25	0	0	0	37		0					0		21	0	226	
06:35:00 AM		48	0	0	0	41		0					0		37	0	278	
06:40:00 AM		45	0	0	0	31		0					0		51	0	336	
06:45:00 AM		63	0	0	0	34		0					0		42	0	392	
06:50:00 AM		67	0	0	0	31		0					0		45	0	409	
06:55:00 AM		60	0	0	0	41		0					0		47	0	430	1106
07:00:00 AM		61	0	0	0	32		0					0		35	0	419	1192
07:05:00 AM		89	0	0	0	45		0					0		45	0	455	1320
07:10:00 AM		79	0	0	0	65		0					0		61	0	512	1482
07:15:00 AM		112	0	0	0	71		0					0		70	0	637	1674
07:20:00 AM		129	0	0	0	46		0					0		76	0	709	1851
07:25:00 AM		122	0	0	0	70		0					0		66	0	762	2040
07:30:00 AM		126	0	0	0	56		0					0		84	0	775	2223
07:35:00 AM		141	0	0	0	64		0					0		80	0	809	2382
07:40:00 AM		150	0	0	0	49		0					0		106	0	856	2560
07:45:00 AM		138	0	0	0	65		0					0		101	0	894	2725
07:50:00 AM		129	0	0	0	70		0					0		92	0	900	2873
07:55:00 AM		114	0	0	0	62		0					0		90	0	861	2991
08:00:00 AM		118	0	0	0	60		0					0		77	0	812	3118
08:05:00 AM		121	0	0	0	67		0					0		95	0	804	3222
08:10:00 AM		124	0	0	0	67		0					0		82	0	811	3290
08:15:00 AM		142	0	0	0	71		0					0		89	0	858	3339
08:20:00 AM		149	0	0	0	47		0					0		93	0	864	3377
08:25:00 AM		132	0	0	0	57		0					0		86	0	866	3394
08:30:00 AM		132	0	0	0	71		0					0		91	0	858	3422
08:35:00 AM		130	0	0	0	65		0					0		87	0	851	3419
08:40:00 AM		113	0	0	0	75		0					0		93	0	857	3395
08:45:00 AM		157	0	0	0	69		0					0		97	0	886	3414
08:50:00 AM		124	0	0	0	65		0					0		72	0	865	3384
08:55:00 AM		102	0	0	0	58		0					0		76	0	820	3354

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW Barbur Blvd*
E/W street	*SW Capitol Hwy EB*
City, State	Portland OR
Site Notes	
Location	45.482004 - -122.680422
Start Date	Thursday, October 25, 2018
Start Time	06:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:25:00 AM
Peak 15 Min Start	07:40:00 AM
PHF (15-Min Int)	0.90



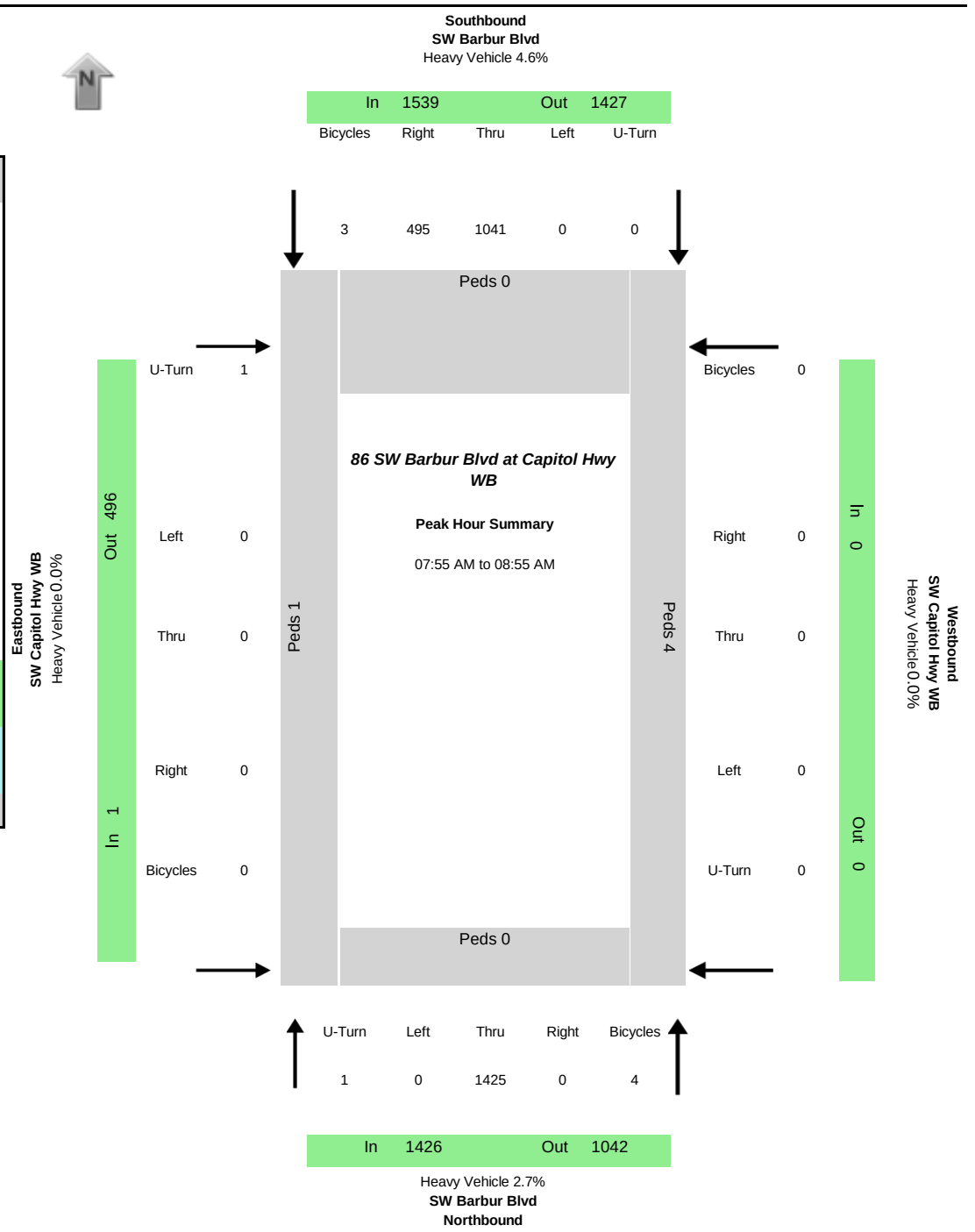
Peak-Hour Volumes (PHV)																							
Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
0	1513	0	0	0	733	0	0	0	0	0	0	0	0	1036	0	1513	733	0	1036	733	2549	0	0
Percent Heavy Vehicles																							
0.0%	2.2%	0.0%	0.0%	0.0%	5.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.2%	0.0%	2.2%	5.7%	#DIV/0!	2.2%	5.7%	2.2%	#DIV/0!	0.0%

PHV- Bicycles																	PHV - Pedestrians				
Northbound				Southbound				Eastbound				Westbound					in Crosswalk				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**	NB	SB	EB	WB	**Sum**
	1	0	0	0	7		0					0		42	0	50	0	0		0	0

All Vehicle Volumes																	
	Northbound				Southbound				Eastbound				Westbound					
	SW Barbur Blvd				SW Barbur Blvd								SW Capitol Hwy EB				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
06:00:00 AM		21	0	0	0	17		0					0		15	0		
06:05:00 AM		16	0	0	0	19		0					0		24	0		
06:10:00 AM		16	0	0	0	17		0					0		18	0	163	
06:15:00 AM		20	0	0	0	17		0					0		15	0	162	
06:20:00 AM		25	0	0	0	18		0					0		16	0	162	
06:25:00 AM		22	0	0	0	24		0					0		30	0	187	
06:30:00 AM		35	0	0	0	33		0					0		18	0	221	
06:35:00 AM		37	0	0	0	29		0					0		33	0	261	
06:40:00 AM		50	0	0	0	25		0					0		35	0	295	
06:45:00 AM		50	0	0	0	40		0					0		46	0	345	
06:50:00 AM		78	0	0	0	43		0					0		50	0	417	
06:55:00 AM		53	0	0	0	38		0					0		43	0	441	1086
07:00:00 AM		79	0	0	0	46		0					0		47	0	477	1205
07:05:00 AM		67	0	0	0	40		0					0		49	0	462	1302
07:10:00 AM		94	0	0	0	53		0					0		77	0	552	1475
07:15:00 AM		110	0	0	0	63		0					0		56	0	609	1652
07:20:00 AM		104	0	0	0	51		0					0		87	0	695	1835
07:25:00 AM		120	0	0	0	50		0					0		94	0	735	2023
07:30:00 AM		127	0	0	0	58		0					0		85	0	776	2207
07:35:00 AM		117	0	0	0	59		0					0		98	0	808	2382
07:40:00 AM		121	0	0	0	77		0					0		100	0	842	2570
07:45:00 AM		144	0	0	0	67		0					0		88	0	871	2733
07:50:00 AM		140	0	0	0	72		0					0		98	0	907	2872
07:55:00 AM		131	0	0	0	59		0					0		89	0	888	3017
08:00:00 AM		127	0	0	0	52		0					0		70	0	838	3094
08:05:00 AM		101	0	0	0	42		0					0		69	0	740	3150
08:10:00 AM		133	0	0	0	58		0					0		80	0	732	3197
08:15:00 AM		124	0	0	0	74		0					0		83	0	764	3249
08:20:00 AM		128	0	0	0	65		0					0		82	0	827	3282
08:25:00 AM		98	0	0	0	65		0					0		86	0	805	3267
08:30:00 AM		112	0	0	0	69		0					0		72	0	777	3250
08:35:00 AM		101	0	0	0	67		0					0		58	0	728	3202
08:40:00 AM		108	0	0	0	67		0					0		60	0	714	3139
08:45:00 AM		126	0	0	0	79		0					0		79	0	745	3124
08:50:00 AM		102	0	0	0	72		0					0		59	0	752	3047
08:55:00 AM		85	0	0	0	61		0					0		68	0	731	2982

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW Barbur Blvd*
E/W street	*SW Capitol Hwy WB*
City, State	Portland OR
Site Notes	
Location	45.480452 - -122.68028
Start Date	Tuesday, October 23, 2018
Start Time	07:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:55:00 AM
Peak 15 Min Start	08:20:00 AM
PHF (15-Min Int)	0.89



Peak-Hour Volumes (PHV)

Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
0	1425	0	1	0	1041	495	0	0	0	0	1	0	0	0	0	1426	1536	1	0	1042	1425	496	0

Percent Heavy Vehicles

0.0%	2.7%	0.0%	0.0%	0.0%	3.7%	6.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.7%	4.6%	0.0%	0.0%	3.7%	2.7%	6.5%	0.0%

PHV- Bicycles

Northbound				Southbound				Eastbound				Westbound				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**
0	2	2	0	0	2	1	0	0	0	0	0	0	0	0	0	7

PHV - Pedestrians

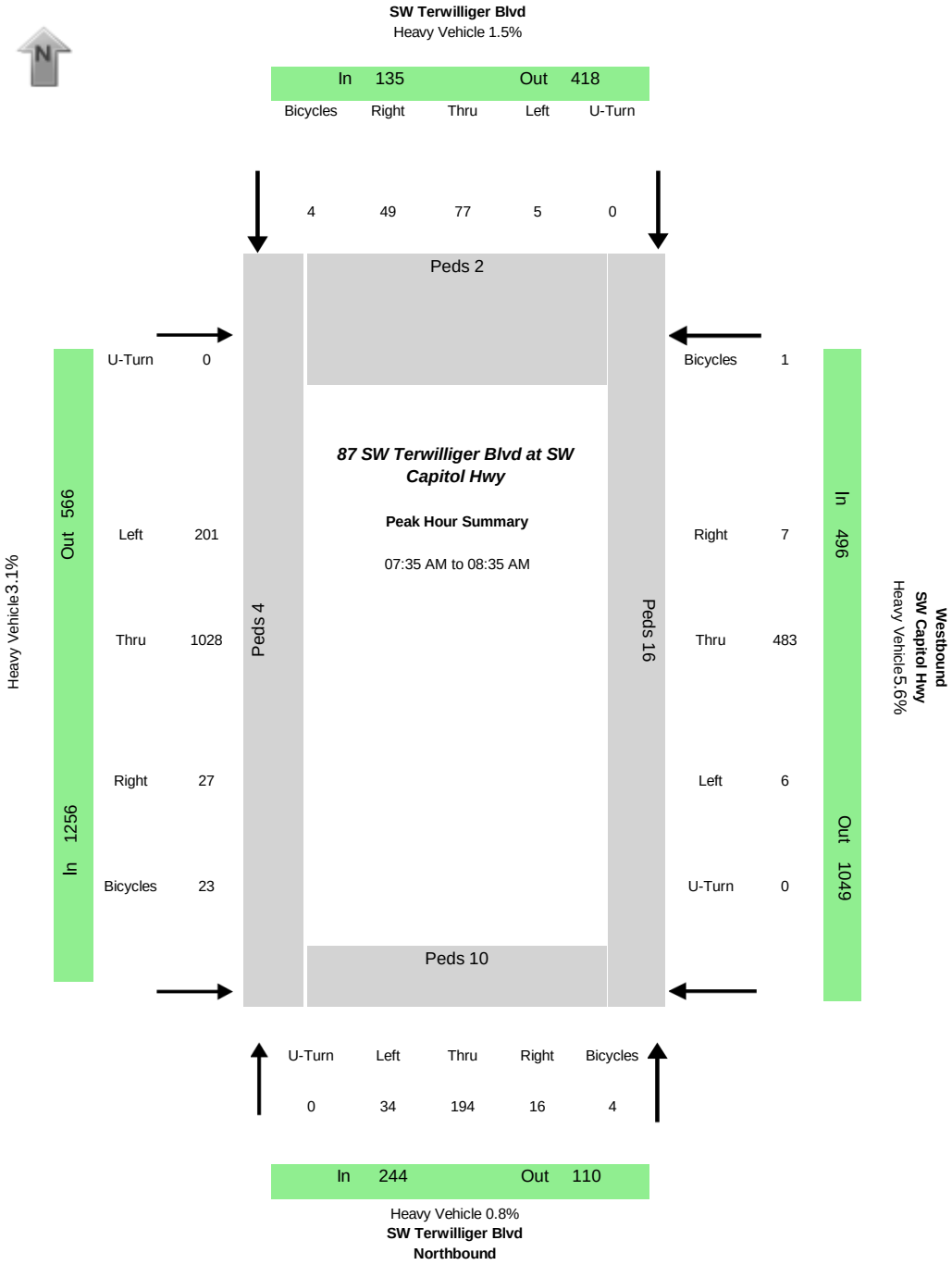
in Crosswalk				
NB	SB	EB	WB	**Sum**
0	0	1	4	5

All Vehicle Volumes

	Northbound				Southbound				Eastbound				Westbound					
	SW Barbur Blvd				SW Barbur Blvd				SW Capitol Hwy WB				SW Capitol Hwy WB				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
07:00:00 AM	0	85	0	0	0	14	21	0	0	0	0	0	0	0	0	0		
07:05:00 AM	0	65	0	0	0	21	35	0	0	0	0	0	0	0	0	0		
07:10:00 AM	0	101	0	0	0	15	37	0	0	0	0	0	0	0	0	0	394	
07:15:00 AM	0	109	0	0	0	17	26	0	0	0	0	0	0	0	0	0	426	
07:20:00 AM	0	101	0	0	0	12	30	0	0	0	0	0	0	0	0	0	448	
07:25:00 AM	0	140	0	0	0	23	37	0	0	0	0	0	0	0	0	0	495	
07:30:00 AM	0	124	0	0	0	26	55	0	0	0	0	0	0	0	0	0	548	
07:35:00 AM	0	120	1	0	0	23	48	0	0	0	0	0	0	0	0	0	597	
07:40:00 AM	0	133	1	0	0	33	46	0	0	0	0	0	0	0	0	0	610	
07:45:00 AM	0	146	0	0	0	27	52	0	0	0	0	0	0	0	0	0	630	
07:50:00 AM	0	143	0	0	0	22	39	0	0	0	0	0	0	0	0	0	642	
07:55:00 AM	0	133	0	0	0	24	38	0	0	0	0	0	0	0	0	0	624	2123
08:00:00 AM	0	119	0	0	0	41	48	0	0	0	0	0	0	0	0	0	607	2211
08:05:00 AM	0	100	0	0	0	62	38	0	0	0	0	0	0	0	0	0	603	2290
08:10:00 AM	0	125	0	1	0	60	36	0	0	0	0	0	0	0	0	0	630	2359
08:15:00 AM	0	130	0	0	0	114	45	0	0	0	0	0	0	0	0	0	711	2496
08:20:00 AM	0	134	0	0	0	102	44	0	0	0	0	0	0	0	0	0	791	2633
08:25:00 AM	0	115	0	0	0	93	41	0	0	0	0	0	0	0	0	0	818	2682
08:30:00 AM	0	123	0	0	0	132	45	0	0	0	0	0	0	0	0	0	829	2777
08:35:00 AM	0	101	0	0	0	119	41	0	0	0	0	1	0	0	0	0	811	2847
08:40:00 AM	0	92	0	0	0	94	41	0	0	0	0	0	0	0	0	0	789	2861
08:45:00 AM	0	122	0	0	0	93	28	0	0	0	0	0	0	0	0	0	732	2879
08:50:00 AM	0	131	0	0	0	107	50	0	0	0	0	0	0	0	0	0	758	2963
08:55:00 AM	0	24	0	0	0	16	13	0	0	0	0	0	0	0	0	0	584	2821

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW Terwilliger Blvd*
E/W street	*SW Capitol Hwy*
City, State	Portland OR
Site Notes	
Location	45.480194 - -122.687019
Start Date	Tuesday, October 23, 2018
Start Time	06:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:35:00 AM
Peak 15 Min Start	07:40:00 AM
PHF (15-Min Int)	0.96



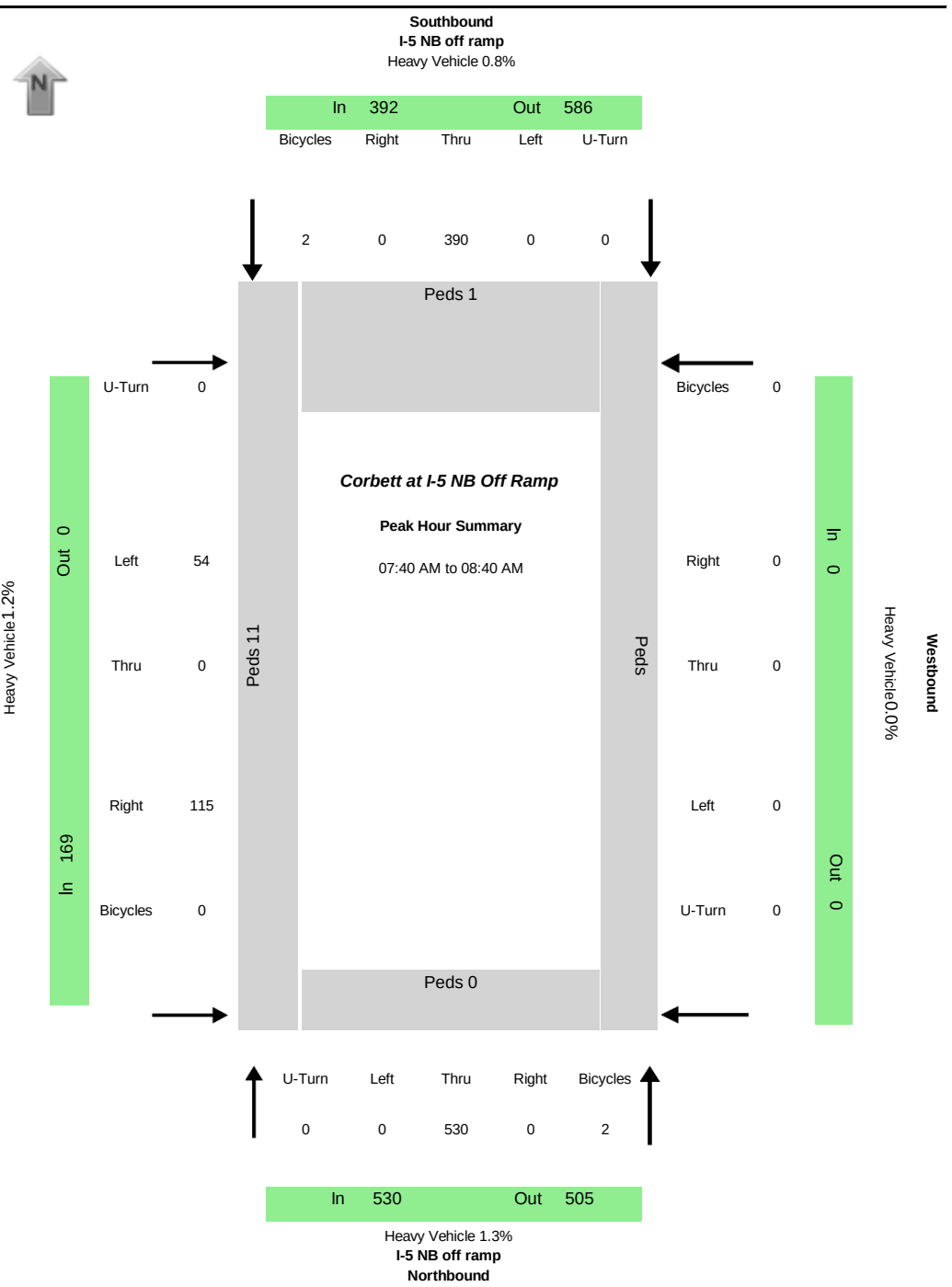
Peak-Hour Volumes (PHV)																							
Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
34	194	16	0	5	77	49	0	201	1028	27	0	6	483	7	0	244	131	1256	496	110	402	566	1049
Percent Heavy Vehicles																							
2.9%	0.5%	0.0%	0.0%	0.0%	2.6%	0.0%	0.0%	3.5%	2.9%	11.1%	0.0%	0.0%	5.8%	0.0%	0.0%	0.8%	1.5%	3.2%	5.6%	4.5%	2.0%	5.1%	2.9%

PHV- Bicycles																	PHV - Pedestrians				
Northbound				Southbound				Eastbound				Westbound					in Crosswalk				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**	NB	SB	EB	WB	**Sum**
0	4	0	0	0	2	2	0	12	11	0	0	0	1	0	0	32	10	2	4	16	32

All Vehicle Volumes																		
	Northbound				Southbound				Eastbound				Westbound					
	SW Terwilliger Blvd				SW Terwilliger Blvd				SW Capitol Hwy				SW Capitol Hwy				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
06:00:00 AM	1	6	1	0	0	1	1	0	5	14	0	0	0	8	0	0		
06:05:00 AM	0	7	0	0	0	0	0	0	6	15	0	0	0	11	0	0		
06:10:00 AM	1	11	0	0	0	2	1	0	5	23	3	0	0	16	0	0	138	
06:15:00 AM	1	9	0	0	1	2	3	0	7	10	1	0	0	9	0	0	144	
06:20:00 AM	1	6	0	0	0	2	3	0	13	24	0	0	0	24	0	0	178	
06:25:00 AM	0	5	0	0	0	0	1	0	15	28	0	0	0	19	1	0	185	
06:30:00 AM	0	12	0	0	0	2	2	0	18	23	0	0	0	15	0	0	214	
06:35:00 AM	4	19	0	0	0	3	1	0	12	36	2	0	0	19	0	0	237	
06:40:00 AM	2	20	2	0	0	5	4	0	19	42	0	0	1	15	1	0	279	
06:45:00 AM	4	8	0	0	0	1	2	0	26	40	1	0	0	22	1	0	312	
06:50:00 AM	0	21	1	0	0	2	2	0	20	53	3	0	0	23	0	0	341	
06:55:00 AM	2	12	0	0	0	7	4	0	11	60	3	0	0	12	0	0	341	943
07:00:00 AM	2	19	0	0	0	7	5	0	8	48	3	0	0	15	0	0	343	1013
07:05:00 AM	5	9	1	0	2	1	5	0	13	54	1	0	0	32	1	0	342	1098
07:10:00 AM	3	16	0	0	0	4	2	0	15	63	0	0	0	34	0	0	368	1173
07:15:00 AM	2	16	1	0	1	3	2	0	21	89	2	0	0	30	2	0	430	1299
07:20:00 AM	3	12	0	0	0	6	2	0	14	82	4	0	0	30	1	0	460	1380
07:25:00 AM	2	18	2	0	1	0	6	0	16	87	4	0	0	32	2	0	493	1481
07:30:00 AM	1	12	2	0	0	6	4	0	13	90	1	0	1	47	0	0	501	1586
07:35:00 AM	6	19	2	0	1	7	2	0	12	87	1	0	0	50	0	0	534	1677
07:40:00 AM	3	18	1	0	3	5	5	0	19	89	0	0	0	29	1	0	537	1739
07:45:00 AM	2	14	1	0	0	12	7	0	17	84	0	0	0	52	0	0	549	1823
07:50:00 AM	2	16	0	0	0	5	3	0	28	85	2	0	1	50	1	0	555	1891
07:55:00 AM	2	9	1	0	0	6	3	0	11	92	3	0	1	34	0	0	544	1942
08:00:00 AM	5	16	2	0	1	4	3	0	11	91	1	0	1	42	2	0	534	2014
08:05:00 AM	1	16	1	0	0	8	7	0	10	93	4	0	1	36	1	0	519	2068
08:10:00 AM	1	9	1	0	0	6	3	0	12	81	3	0	0	36	0	0	509	2083
08:15:00 AM	6	19	3	0	0	6	5	0	19	84	2	0	1	40	0	0	515	2099
08:20:00 AM	2	16	2	0	0	11	7	0	22	83	3	0	1	27	1	0	512	2120
08:25:00 AM	1	28	0	0	0	3	1	0	19	73	5	0	0	44	1	0	535	2125
08:30:00 AM	3	14	2	0	0	4	3	0	21	86	3	0	0	43	0	0	529	2127
08:35:00 AM	4	5	3	0	0	5	4	0	14	82	5	0	1	52	1	0	530	2116
08:40:00 AM	3	24	3	0	1	5	4	0	20	82	3	0	0	30	1	0	531	2119
08:45:00 AM	9	14	0	0	1	4	2	0	11	81	1	0	0	33	2	0	510	2088
08:50:00 AM	5	11	2	0	0	6	5	0	13	58	4	0	1	49	1	0	489	2050
08:55:00 AM	3	18	5	0	1	5	5	0	15	70	3	0	0	40	0	0	478	2053

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*I-5 NB off ramp*
E/W street	*SW Corbett Ave*
City, State	Portland OR
Site Notes	
Location	45.488014 - -122.676782
Start Date	Tuesday, October 23, 2018
Start Time	06:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:40:00 AM
Peak 15 Min Start	07:40:00 AM
PHF (15-Min Int)	0.94



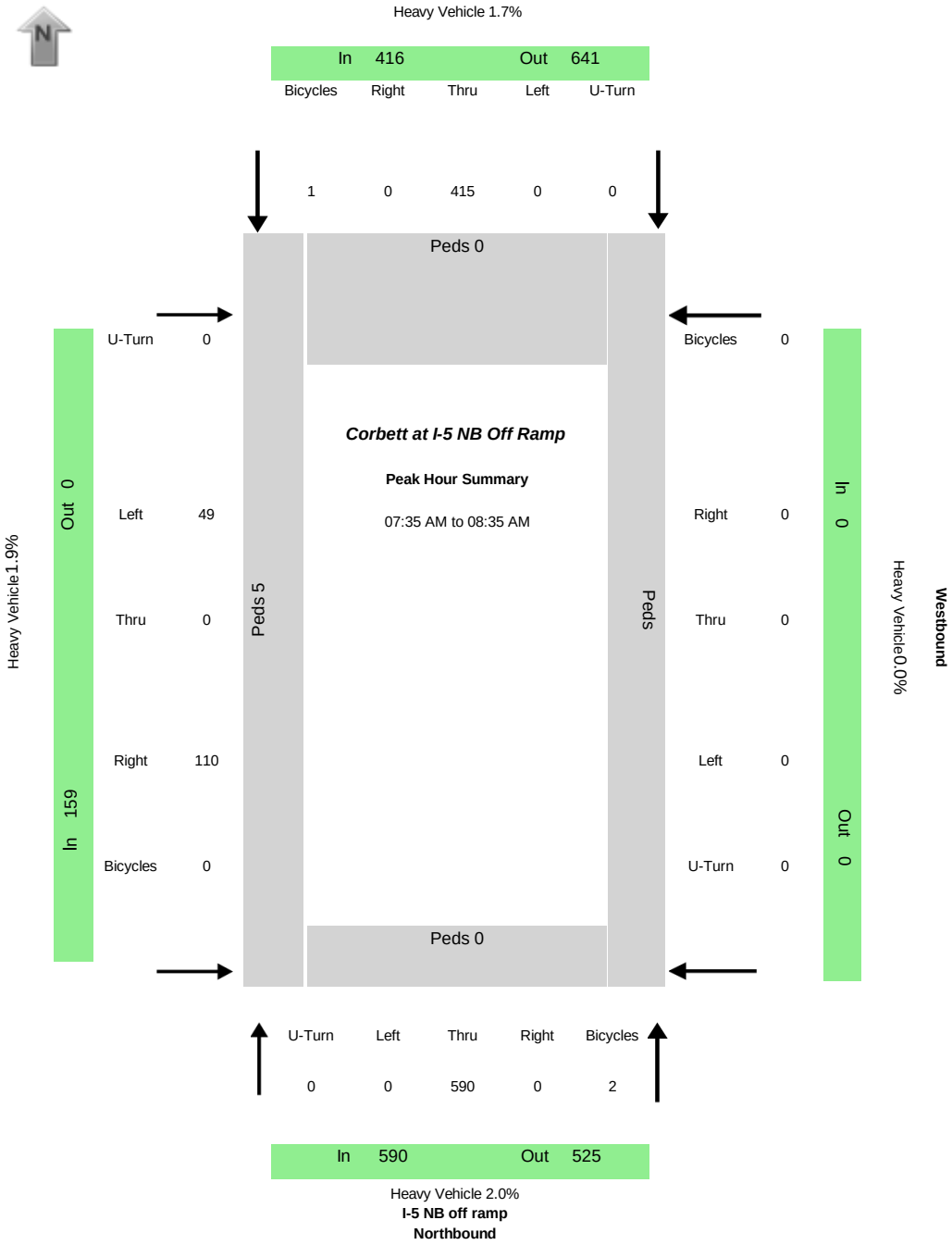
Peak-Hour Volumes (PHV)																							
Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
0	530	0	0	0	390	0	0	54	0	115	0	0	0	0	0	530	390	169	0	505	584	0	0
Percent Heavy Vehicles																							
0.0%	1.3%	0.0%	0.0%	0.0%	0.8%	0.0%	0.0%	0.0%	0.0%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.8%	1.2%	0.0%	1.0%	1.2%	#DIV/0!	0.0%

PHV- Bicycles																	PHV - Pedestrians				
Northbound				Southbound				Eastbound				Westbound					in Crosswalk				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**	NB	SB	EB	WB	**Sum**
0	2		0		2	0	0	0		0	0					4	0	1	11		12

All Vehicle Volumes																		
	Northbound				Southbound				Eastbound				Westbound					
	I-5 NB off ramp				I-5 NB off ramp				SW Corbett Ave								15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
06:00:00 AM	0	11		0		2	0	0	12		9	0						
06:05:00 AM	0	7		0		4	0	0	16		5	0						
06:10:00 AM	0	14		0		8	0	0	15		9	0					112	
06:15:00 AM	0	10		0		3	0	0	11		13	0					115	
06:20:00 AM	0	13		0		7	0	0	20		10	0					133	
06:25:00 AM	0	24		0		5	0	0	21		11	0					148	
06:30:00 AM	0	16		0		9	0	0	16		8	0					160	
06:35:00 AM	0	31		0		8	0	0	26		15	0					190	
06:40:00 AM	0	27		0		11	0	0	15		12	0					194	
06:45:00 AM	0	30		0		10	0	0	20		16	0					221	
06:50:00 AM	0	25		0		9	0	0	21		9	0					205	
06:55:00 AM	0	27		0		13	0	0	11		10	0					201	655
07:00:00 AM	0	35		0		22	0	0	17		8	0					207	703
07:05:00 AM	0	30		0		17	0	0	7		5	0					202	730
07:10:00 AM	0	32		0		14	0	0	9		6	0					202	745
07:15:00 AM	0	27		0		22	0	0	6		9	0					184	772
07:20:00 AM	0	51		0		19	0	0	10		8	0					213	810
07:25:00 AM	0	52		0		18	0	0	6		11	0					239	836
07:30:00 AM	0	42		0		21	0	0	10		12	0					260	872
07:35:00 AM	0	46		0		25	0	0	2		10	0					255	875
07:40:00 AM	0	56		0		33	0	0	5		4	0					266	908
07:45:00 AM	0	42		0		37	0	0	9		9	0					278	929
07:50:00 AM	0	52		0		30	0	0	5		7	0					289	959
07:55:00 AM	0	55		0		28	0	0	2		11	0					287	994
08:00:00 AM	0	43		0		38	0	0	4		5	0					280	1002
08:05:00 AM	0	44		0		28	0	0	1		9	0					268	1025
08:10:00 AM	0	39		0		27	0	0	4		8	0					250	1042
08:15:00 AM	0	30		0		36	0	0	7		14	0					247	1065
08:20:00 AM	0	34		0		33	0	0	6		18	0					256	1068
08:25:00 AM	0	40		0		31	0	0	2		11	0					262	1065
08:30:00 AM	0	40		0		37	0	0	5		11	0					268	1073
08:35:00 AM	0	55		0		32	0	0	4		8	0					276	1089
08:40:00 AM	0	44		0		35	0	0	4		11	0					286	1085
08:45:00 AM	0	28		0		41	0	0	2		15	0					279	1074
08:50:00 AM	0	30		0		34	0	0	3		10	0					257	1057
08:55:00 AM	0	20		0		38	0	0	4		10	0					235	1033

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	***I-5 NB off ramp***
E/W street	***SW Corbett Ave***
City, State	Portland OR
Site Notes	
Location	45.488014 - -122.676782
Start Date	Wednesday, October 24, 2018
Start Time	06:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:35:00 AM
Peak 15 Min Start	08:15:00 AM
PHF (15-Min Int)	0.94



Peak-Hour Volumes (PHV)

Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
0	590	0	0	0	415	0	0	49	0	110	0	0	0	0	0	590	415	159	0	525	639	0	0

Percent Heavy Vehicles

0.0%	2.0%	0.0%	0.0%	0.0%	1.7%	0.0%	0.0%	2.0%	0.0%	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%	2.0%	1.7%	1.9%	0.0%	1.7%	2.0%	#DIV/0!	0.0%

PHV- Bicycles

Northbound				Southbound				Eastbound				Westbound				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**
0	2		0		1	0	0	0		0	0					3

PHV - Pedestrians

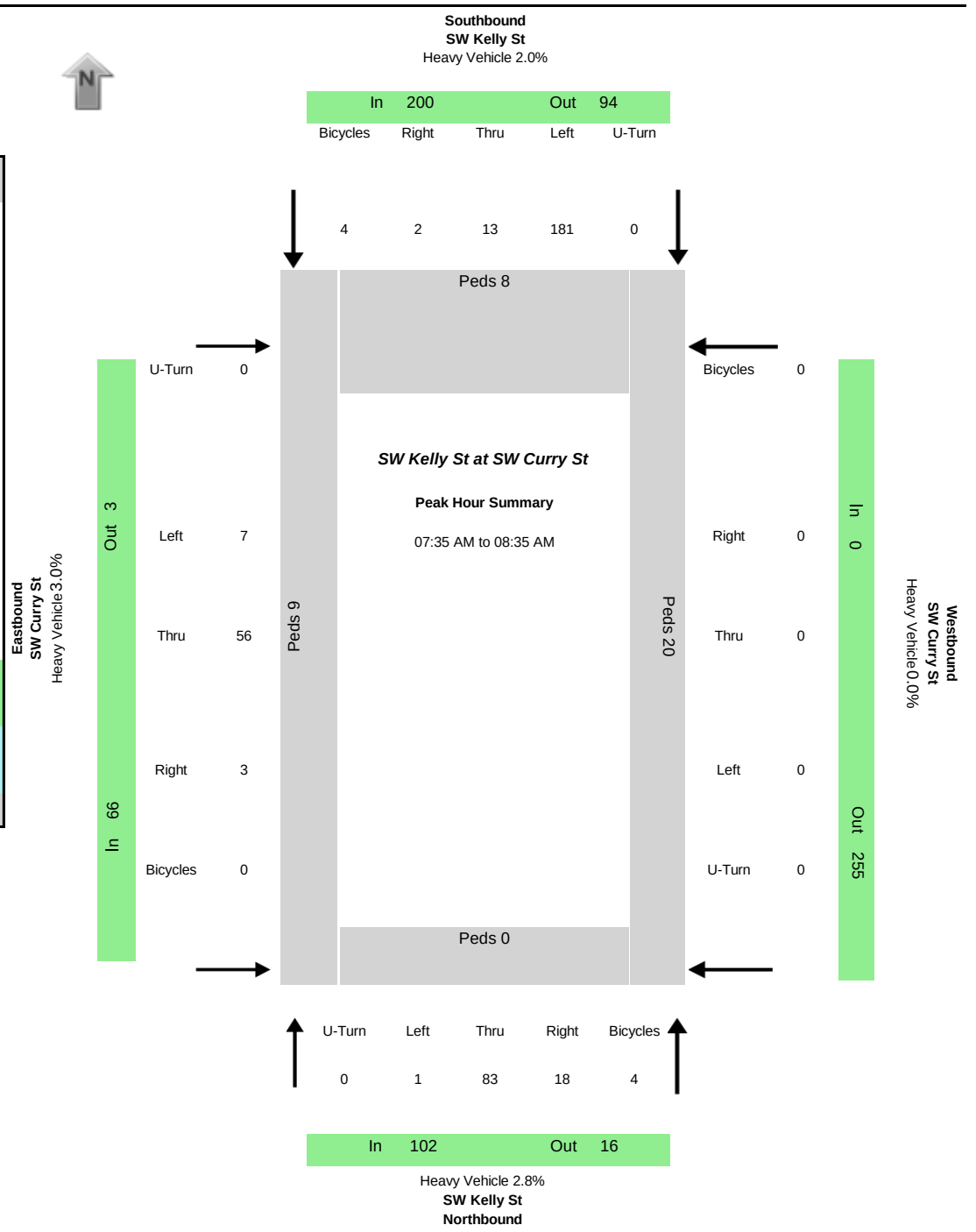
in Crosswalk				
NB	SB	EB	WB	**Sum**
0	0	5		5

All Vehicle Volumes

	Northbound				Southbound				Eastbound				Westbound					
	I-5 NB off ramp				I-5 NB off ramp				SW Corbett Ave								15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
06:00:00 AM	0	2		0		2	0	0	8		10	0						
06:05:00 AM	0	5		0		4	0	0	11		14	0						
06:10:00 AM	0	12		0		2	0	0	12		6	0					88	
06:15:00 AM	0	11		0		5	0	0	13		10	0					105	
06:20:00 AM	0	16		0		4	0	0	24		13	0					128	
06:25:00 AM	0	17		0		8	0	0	22		14	0					157	
06:30:00 AM	0	22		0		10	0	0	14		12	0					176	
06:35:00 AM	0	24		0		8	0	0	17		9	0					177	
06:40:00 AM	0	22		0		5	0	0	16		14	0					173	
06:45:00 AM	0	18		0		13	0	0	24		8	0					178	
06:50:00 AM	0	23		0		12	0	0	13		9	0					177	
06:55:00 AM	0	29		0		20	0	0	8		9	0					186	604
07:00:00 AM	0	28		0		21	0	0	6		7	0					185	644
07:05:00 AM	0	31		0		11	0	0	10		8	0					188	670
07:10:00 AM	0	20		0		16	0	0	8		10	0					176	692
07:15:00 AM	0	42		0		15	0	0	6		7	0					184	723
07:20:00 AM	0	45		0		21	0	0	10		7	0					207	749
07:25:00 AM	0	49		0		18	0	0	5		10	0					235	770
07:30:00 AM	0	39		0		19	0	0	9		6	0					238	785
07:35:00 AM	0	60		0		27	0	0	5		5	0					252	824
07:40:00 AM	0	46		0		25	0	0	4		8	0					253	850
07:45:00 AM	0	54		0		33	0	0	1		7	0					275	882
07:50:00 AM	0	42		0		28	0	0	7		8	0					263	910
07:55:00 AM	0	57		0		47	0	0	5		10	0					299	963
08:00:00 AM	0	52		0		24	0	0	3		10	0					293	990
08:05:00 AM	0	46		0		39	0	0	6		8	0					307	1029
08:10:00 AM	0	36		0		47	0	0	1		11	0					283	1070
08:15:00 AM	0	46		0		31	0	0	5		10	0					286	1092
08:20:00 AM	0	54		0		39	0	0	5		13	0					298	1120
08:25:00 AM	0	50		0		43	0	0	3		11	0					310	1145
08:30:00 AM	0	47		0		32	0	0	4		9	0					310	1164
08:35:00 AM	0	50		0		29	0	0	1		10	0					289	1157
08:40:00 AM	0	52		0		24	0	0	5		6	0					269	1161
08:45:00 AM	0	35		0		32	0	0	3		9	0					256	1145
08:50:00 AM	0	27		0		42	0	0	8		8	0					251	1145
08:55:00 AM	0	48		0		33	0	0	3		14	0					262	1124

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW Kelly St*
E/W street	*SW Curry St*
City, State	Portland OR
Site Notes	
Location	45.497875 - -122.674859
Start Date	Wednesday, October 24, 2018
Start Time	07:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:35:00 AM
Peak 15 Min Start	07:35:00 AM
PHF (15-Min Int)	0.92



Peak-Hour Volumes (PHV)

Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
1	83	18	0	181	13	2	0	7	56	3	0	0	0	0	0	102	196	66	0	16	90	3	255

Percent Heavy Vehicles

0.0%	3.6%	0.0%	0.0%	2.2%	0.0%	0.0%	0.0%	0.0%	1.8%	33.3%	0.0%	0.0%	0.0%	0.0%	0.0%	2.9%	2.0%	3.0%	0.0%	6.3%	3.3%	0.0%	2.0%

PHV- Bicycles

Northbound				Southbound				Eastbound				Westbound				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**
0	4	0	0	0	4	0	0	0	0	0	0	0	0	0	0	8

PHV - Pedestrians

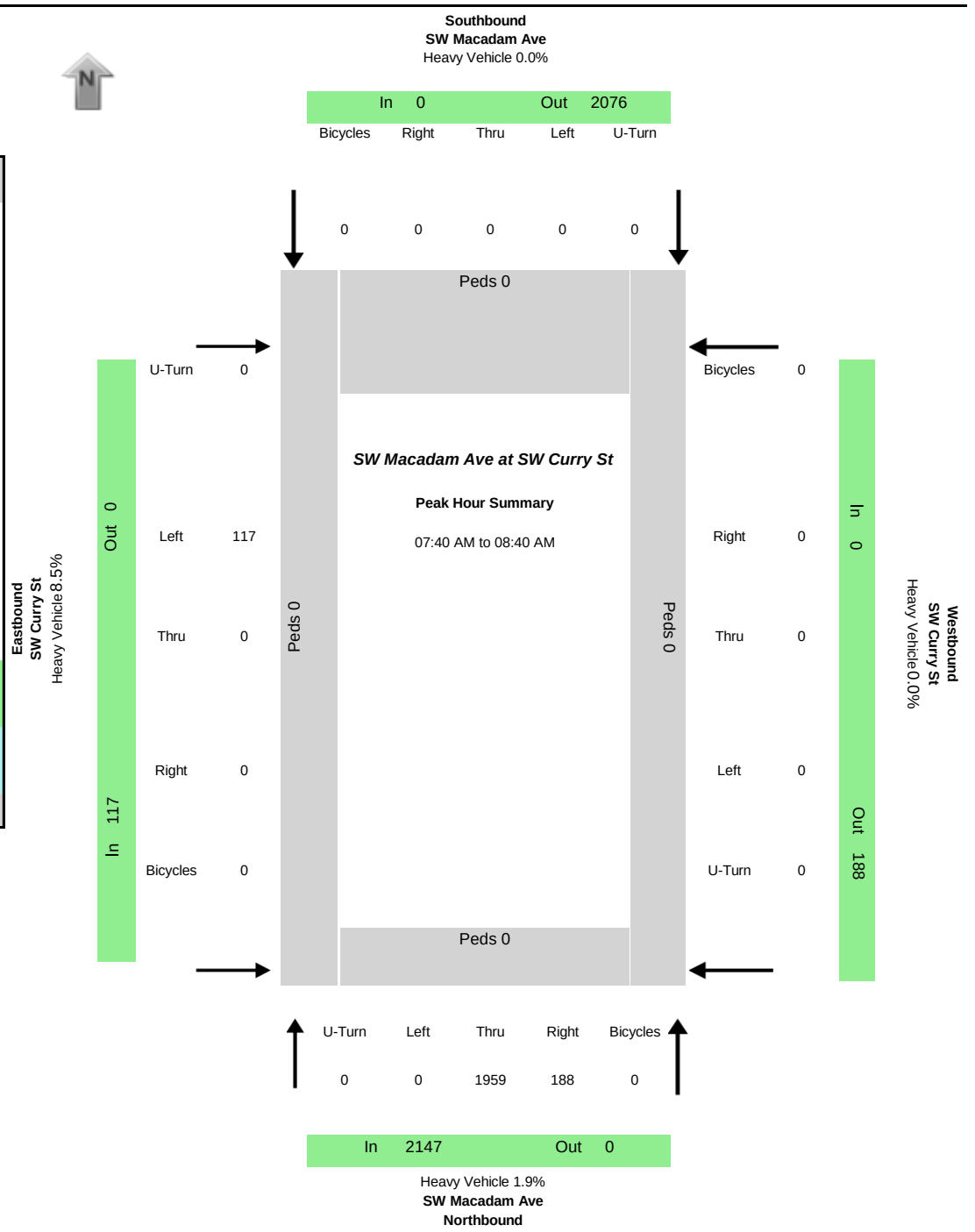
in Crosswalk				
NB	SB	EB	WB	**Sum**
0	8	9	20	37

All Vehicle Volumes

	Northbound SW Kelly St				Southbound SW Kelly St				Eastbound SW Curry St				Westbound SW Curry St				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
07:00:00 AM	0	1	1	0	6	0	0	0	1	2	0	0	0	0	0	0		
07:05:00 AM	0	1	3	0	5	2	0	0	1	3	0	0	0	0	0	0		
07:10:00 AM	0	1	2	0	6	1	0	0	0	2	0	0	0	0	0	0	38	
07:15:00 AM	0	4	0	0	8	2	0	0	0	3	0	0	0	0	0	0	44	
07:20:00 AM	0	5	3	0	14	1	0	0	0	3	0	0	0	0	0	0	55	
07:25:00 AM	0	4	1	0	7	0	0	0	1	8	1	0	0	0	0	0	65	
07:30:00 AM	0	3	1	0	11	0	0	0	2	3	0	0	0	0	0	0	68	
07:35:00 AM	0	7	0	0	18	0	0	0	1	4	0	0	0	0	0	0	72	
07:40:00 AM	1	10	1	0	15	1	0	0	1	7	0	0	0	0	0	0	86	
07:45:00 AM	0	9	3	0	12	0	1	0	0	8	0	0	0	0	0	0	99	
07:50:00 AM	0	4	2	0	11	4	0	0	2	5	0	0	0	0	0	0	97	
07:55:00 AM	0	7	0	0	18	1	0	0	0	2	1	0	0	0	0	0	90	279
08:00:00 AM	0	6	2	0	13	0	0	0	0	2	0	0	0	0	0	0	80	291
08:05:00 AM	0	9	2	0	11	1	0	0	0	5	0	0	0	0	0	0	80	304
08:10:00 AM	0	7	0	0	20	0	0	0	2	7	1	0	0	0	0	0	88	329
08:15:00 AM	0	7	2	0	13	1	0	0	0	6	0	0	0	0	0	0	94	341
08:20:00 AM	0	5	4	0	15	2	0	0	0	2	0	0	0	0	0	0	94	343
08:25:00 AM	0	6	1	0	17	1	0	0	0	2	1	0	0	0	0	0	85	349
08:30:00 AM	0	6	1	0	18	2	1	0	1	6	0	0	0	0	0	0	91	364
08:35:00 AM	0	1	0	0	15	1	2	0	0	7	0	0	0	0	0	0	89	360
08:40:00 AM	0	2	3	0	17	2	0	0	0	11	0	0	0	0	0	0	96	359
08:45:00 AM	0	6	0	0	11	0	0	0	0	5	0	0	0	0	0	0	83	348
08:50:00 AM	0	6	1	0	16	1	0	0	0	4	0	0	0	0	0	0	85	348
08:55:00 AM	0	4	1	0	13	1	0	0	2	2	0	0	0	0	0	0	73	342

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW Macadam Ave*
E/W street	*SW Curry St*
City, State	Portland OR
Site Notes	
Location	45.497874 - -122.672846
Start Date	Wednesday, October 24, 2018
Start Time	07:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:40:00 AM
Peak 15 Min Start	07:55:00 AM
PHF (15-Min Int)	0.96



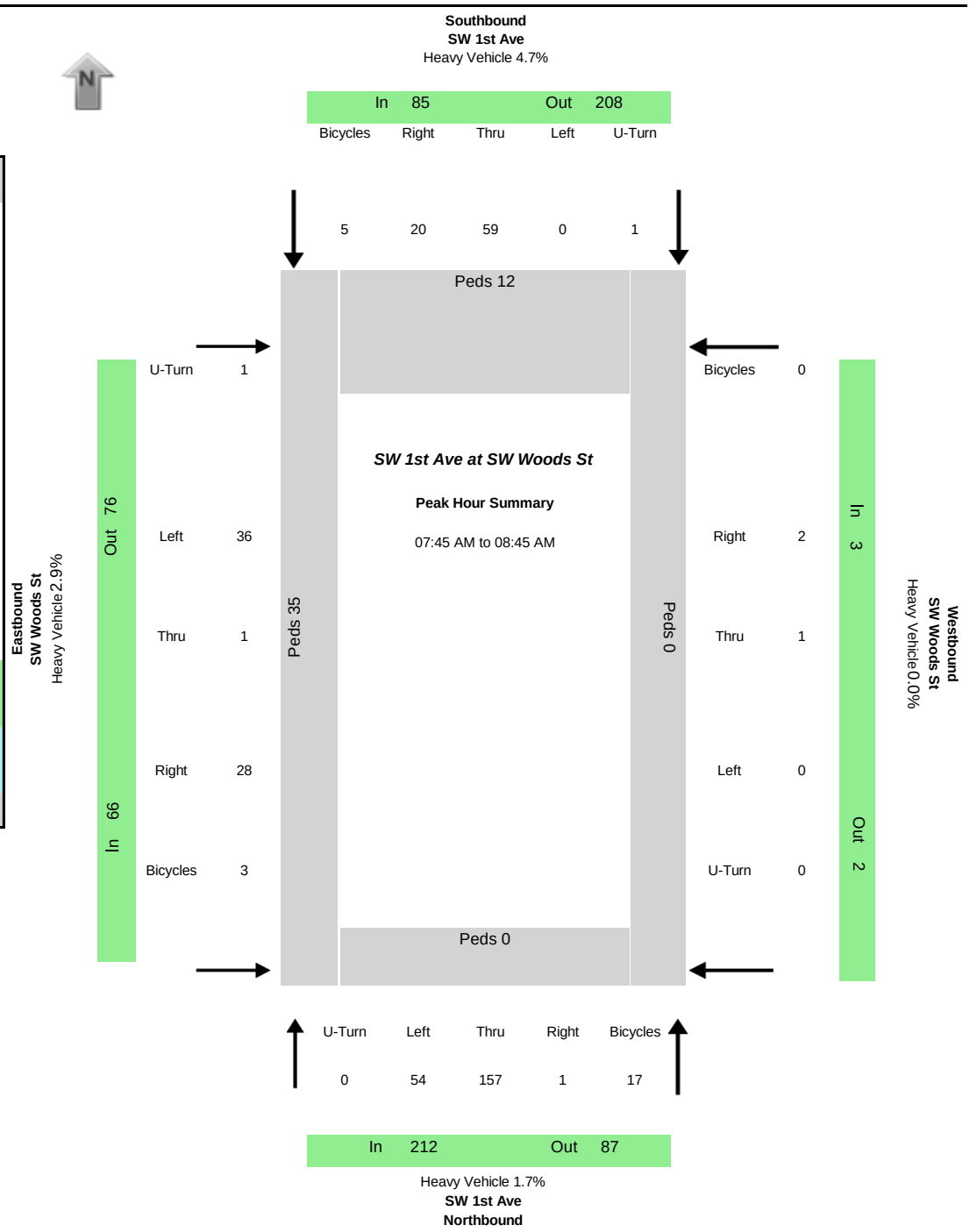
Peak-Hour Volumes (PHV)																							
Northbound				**Southbound**				**Eastbound**				**Westbound**				**Entering**				**Leaving**			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
0	1959	188	0	0	0	0	0	117	0	0	0	0	0	0	0	2147	0	117	0	0	2076	0	188
Percent Heavy Vehicles																							
0.0%	2.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	8.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.9%	0.0%	8.5%	0.0%	#DIV/0!	2.5%	#DIV/0!	0.0%

PHV- Bicycles																	PHV - Pedestrians				
Northbound				**Southbound**				**Eastbound**				**Westbound**					in Crosswalk				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**	NB	SB	EB	WB	**Sum**
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

All Vehicle Volumes																		
	Northbound				**Southbound**				**Eastbound**				**Westbound**					
	SW Macadam Ave				SW Macadam Ave				SW Curry St				SW Curry St				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
07:00:00 AM	0	116	12	0	0	0	0	0	10	0	0	0	0	0	0	0		
07:05:00 AM	0	104	13	0	0	0	0	0	9	0	0	0	0	0	0	0		
07:10:00 AM	0	108	17	0	0	0	0	0	3	0	0	0	0	0	0	0	392	
07:15:00 AM	0	159	14	0	0	0	0	0	8	0	0	0	0	0	0	0	435	
07:20:00 AM	0	130	21	0	0	0	0	0	3	0	0	0	0	0	0	0	463	
07:25:00 AM	0	153	14	0	0	0	0	0	11	0	0	0	0	0	0	0	513	
07:30:00 AM	0	152	11	0	0	0	0	0	10	0	0	0	0	0	0	0	505	
07:35:00 AM	0	154	14	0	0	0	0	0	9	0	0	0	0	0	0	0	528	
07:40:00 AM	0	186	18	0	0	0	0	0	16	0	0	0	0	0	0	0	570	
07:45:00 AM	0	183	18	0	0	0	0	0	13	0	0	0	0	0	0	0	611	
07:50:00 AM	0	127	12	0	0	0	0	0	13	0	0	0	0	0	0	0	586	
07:55:00 AM	0	178	15	0	0	0	0	0	8	0	0	0	0	0	0	0	567	2042
08:00:00 AM	0	180	16	0	0	0	0	0	9	0	0	0	0	0	0	0	558	2109
08:05:00 AM	0	159	16	0	0	0	0	0	7	0	0	0	0	0	0	0	588	2165
08:10:00 AM	0	148	16	0	0	0	0	0	12	0	0	0	0	0	0	0	563	2213
08:15:00 AM	0	151	12	0	0	0	0	0	7	0	0	0	0	0	0	0	528	2202
08:20:00 AM	0	147	16	0	0	0	0	0	10	0	0	0	0	0	0	0	519	2221
08:25:00 AM	0	161	13	0	0	0	0	0	7	0	0	0	0	0	0	0	524	2224
08:30:00 AM	0	169	15	0	0	0	0	0	7	0	0	0	0	0	0	0	545	2242
08:35:00 AM	0	170	21	0	0	0	0	0	8	0	0	0	0	0	0	0	571	2264
08:40:00 AM	0	163	13	0	0	0	0	0	12	0	0	0	0	0	0	0	578	2232
08:45:00 AM	0	160	16	0	0	0	0	0	3	0	0	0	0	0	0	0	566	2197
08:50:00 AM	0	139	25	0	0	0	0	0	3	0	0	0	0	0	0	0	534	2212
08:55:00 AM	0	121	28	0	0	0	0	0	12	0	0	0	0	0	0	0	507	2172

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW 1st Ave*
E/W street	*SW Woods St*
City, State	Portland OR
Site Notes	
Location	45.500856 - -122.678705
Start Date	Tuesday, October 23, 2018
Start Time	07:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:45:00 AM
Peak 15 Min Start	08:05:00 AM
PHF (15-Min Int)	0.74



Peak-Hour Volumes (PHV)

Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
54	157	1	0	0	59	20	1	36	1	28	1	0	1	2	0	212	80	66	3	87	196	76	2

Percent Heavy Vehicles

0.0%	2.5%	0.0%	0.0%	0.0%	5.1%	5.0%	0.0%	0.0%	0.0%	7.1%	0.0%	0.0%	0.0%	0.0%	0.0%	1.9%	5.0%	3.0%	0.0%	5.7%	2.0%	1.3%	0.0%

PHV- Bicycles

Northbound				Southbound				Eastbound				Westbound				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**
6	11	0	0	0	5	0	0	1	0	2	0	0	0	0	0	25

PHV - Pedestrians

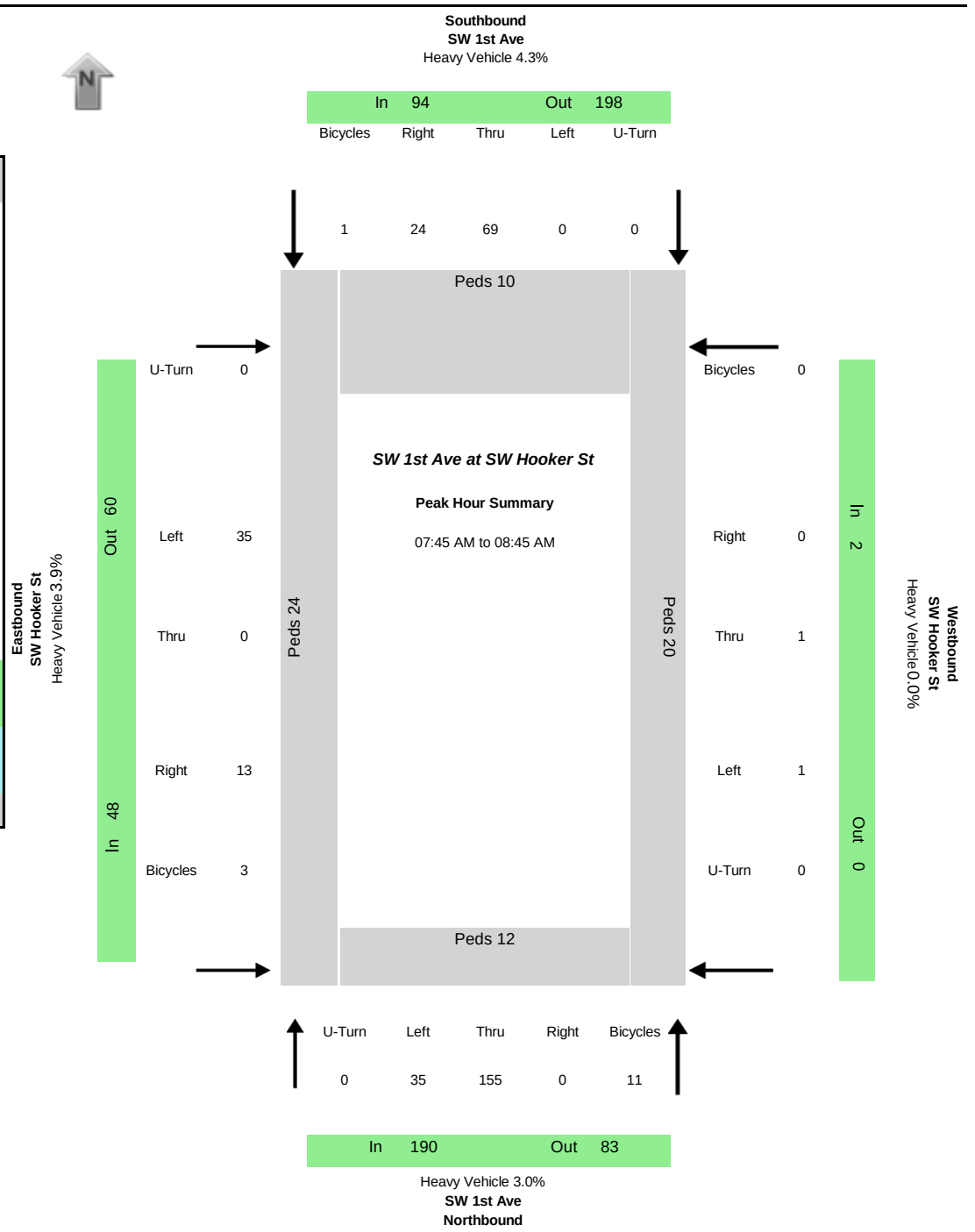
in Crosswalk				
NB	SB	EB	WB	**Sum**
0	12	35	0	47

All Vehicle Volumes

	Northbound				Southbound				Eastbound				Westbound					
	SW 1st Ave				SW 1st Ave				SW Woods St				SW Woods St				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
07:00:00 AM	1	5	0	0	0	1	1	1	1	0	2	0	0	0	0	0		
07:05:00 AM	0	3	0	0	0	3	0	0	0	0	0	0	0	0	0	0		
07:10:00 AM	0	4	0	0	0	0	1	1	3	0	0	0	0	0	0	0	27	
07:15:00 AM	2	2	0	0	0	4	1	0	1	0	2	0	0	0	0	0	27	
07:20:00 AM	2	4	0	0	0	0	0	0	1	0	0	0	0	0	0	0	28	
07:25:00 AM	2	6	0	0	0	5	0	0	1	0	1	0	0	0	0	0	34	
07:30:00 AM	2	5	0	0	0	0	1	0	2	0	1	0	0	0	0	0	33	
07:35:00 AM	1	9	0	0	0	4	0	0	0	0	1	0	0	0	0	0	41	
07:40:00 AM	2	7	0	0	0	4	0	0	0	0	2	0	0	0	0	0	41	
07:45:00 AM	1	12	0	0	0	3	1	0	3	0	1	0	0	1	0	0	52	
07:50:00 AM	5	12	0	0	0	2	1	0	2	0	1	0	0	0	0	0	60	
07:55:00 AM	6	20	0	0	0	5	0	0	0	0	0	0	0	0	0	0	76	178
08:00:00 AM	4	15	0	0	0	5	4	0	4	0	3	1	0	0	0	0	90	202
08:05:00 AM	8	14	1	0	0	6	2	0	3	0	2	0	0	0	0	0	103	232
08:10:00 AM	10	15	0	0	0	8	4	0	4	1	3	0	0	0	0	0	117	268
08:15:00 AM	7	17	0	0	0	6	4	0	2	0	4	0	0	0	1	0	122	297
08:20:00 AM	3	8	0	0	0	5	0	1	5	0	1	0	0	0	1	0	110	314
08:25:00 AM	6	5	0	0	0	6	0	0	2	0	3	0	0	0	0	0	87	321
08:30:00 AM	1	18	0	0	0	4	3	0	4	0	4	0	0	0	0	0	80	344
08:35:00 AM	2	7	0	0	0	3	1	0	4	0	3	0	0	0	0	0	76	349
08:40:00 AM	1	14	0	0	0	6	0	0	3	0	3	0	0	0	0	0	81	361
08:45:00 AM	1	6	0	0	0	6	2	0	0	0	1	0	0	0	0	0	63	355
08:50:00 AM	0	4	0	0	0	3	1	0	0	0	1	0	0	0	0	0	52	341
08:55:00 AM	1	5	1	0	0	4	0	0	2	0	2	0	0	0	0	0	40	325

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW 1st Ave*
E/W street	*SW Hooker St*
City, State	Portland OR
Site Notes	
Location	45.502266 - -122.678695
Start Date	Tuesday, October 23, 2018
Start Time	07:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:45:00 AM
Peak 15 Min Start	08:00:00 AM
PHF (15-Min Int)	0.80



Peak-Hour Volumes (PHV)

Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
35	155	0	0	0	69	24	0	35	0	13	0	1	1	0	0	190	93	48	2	83	190	60	0

Percent Heavy Vehicles

2.9%	3.2%	0.0%	0.0%	0.0%	5.8%	0.0%	0.0%	5.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.2%	4.3%	4.2%	0.0%	4.8%	3.7%	1.7%	0.0%

PHV- Bicycles

Northbound				Southbound				Eastbound				Westbound				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**
3	8	0	0	0	1	0	0	0	0	3	0	0	0	0	0	15

PHV - Pedestrians

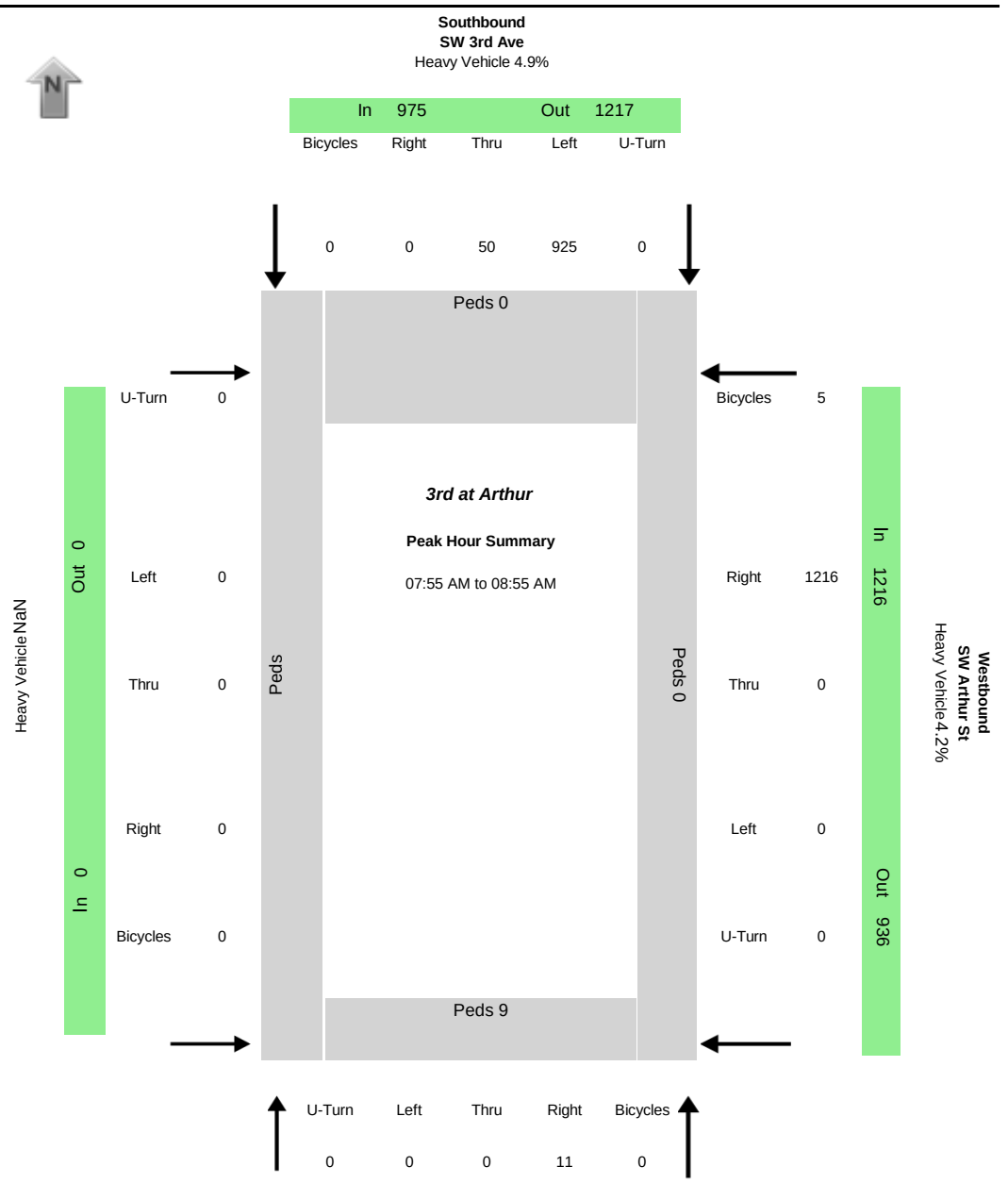
in Crosswalk				
NB	SB	EB	WB	**Sum**
12	10	24	20	66

All Vehicle Volumes

	Northbound				Southbound				Eastbound				Westbound					
	SW 1st Ave				SW 1st Ave				SW Hooker St				SW Hooker St				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
07:00:00 AM	0	7	0	0	0	1	2	1	3	0	1	0	0	0	0	0		
07:05:00 AM	1	1	0	0	0	2	2	0	0	0	0	0	0	0	0	0		
07:10:00 AM	1	6	0	0	0	2	0	0	1	1	0	0	0	0	0	0	32	
07:15:00 AM	0	1	0	0	0	4	1	0	0	0	1	0	0	0	0	0	24	
07:20:00 AM	0	5	0	0	0	0	1	0	1	0	0	0	0	1	0	0	26	
07:25:00 AM	1	4	0	0	0	5	2	0	0	0	1	0	0	0	0	0	28	
07:30:00 AM	0	5	0	0	0	1	0	0	2	0	0	0	0	1	0	0	30	
07:35:00 AM	1	9	0	0	0	5	2	0	5	1	0	0	0	1	0	0	46	
07:40:00 AM	1	6	0	0	0	1	2	0	3	0	3	0	0	0	0	0	49	
07:45:00 AM	3	13	0	0	0	3	4	0	3	0	0	0	0	0	0	0	66	
07:50:00 AM	1	12	0	0	0	5	1	0	2	0	2	0	0	0	0	0	65	
07:55:00 AM	2	10	0	0	0	5	1	0	4	0	1	0	0	0	0	0	72	181
08:00:00 AM	3	14	0	0	0	7	3	0	4	0	1	0	0	0	0	0	78	198
08:05:00 AM	2	14	0	0	0	4	3	0	2	0	4	0	0	1	0	0	85	222
08:10:00 AM	3	18	0	0	0	7	4	0	7	0	3	0	0	0	0	0	104	253
08:15:00 AM	4	15	0	0	0	8	3	0	2	0	0	0	0	0	0	0	104	278
08:20:00 AM	4	9	0	0	0	5	1	0	4	0	0	0	0	0	0	0	97	293
08:25:00 AM	1	8	0	0	0	8	1	0	2	0	2	0	0	0	0	0	77	302
08:30:00 AM	2	16	0	0	0	5	1	0	1	0	0	0	0	0	0	0	70	318
08:35:00 AM	5	15	0	0	0	4	1	0	3	0	0	0	1	0	0	0	76	323
08:40:00 AM	5	11	0	0	0	8	1	0	1	0	0	0	0	0	0	0	80	333
08:45:00 AM	0	9	0	0	0	3	2	0	5	0	3	0	0	0	0	0	77	329
08:50:00 AM	1	3	0	0	0	3	0	0	0	0	1	0	0	0	0	0	56	314
08:55:00 AM	0	9	0	0	0	2	0	0	0	0	3	0	0	0	0	0	44	305

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW 3rd Ave*
E/W street	*SW Arthur St*
City, State	Portland OR
Site Notes	
Location	45.503815 - -122.680779
Start Date	Tuesday, October 23, 2018
Start Time	07:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:55:00 AM
Peak 15 Min Start	07:55:00 AM
PHF (15-Min Int)	0.95



Peak-Hour Volumes (PHV)

Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
0	0	11	0	925	50	0	0	0	0	0	0	0	0	1216	0	11	975	0	1216	50	1216	0	936
Percent Heavy Vehicles																							
0.0%	0.0%	18.2%	0.0%	4.9%	6.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.2%	0.0%	18.2%	4.9%	#DIV/0!	4.2%	6.0%	4.2%	#DIV/0!	5.0%

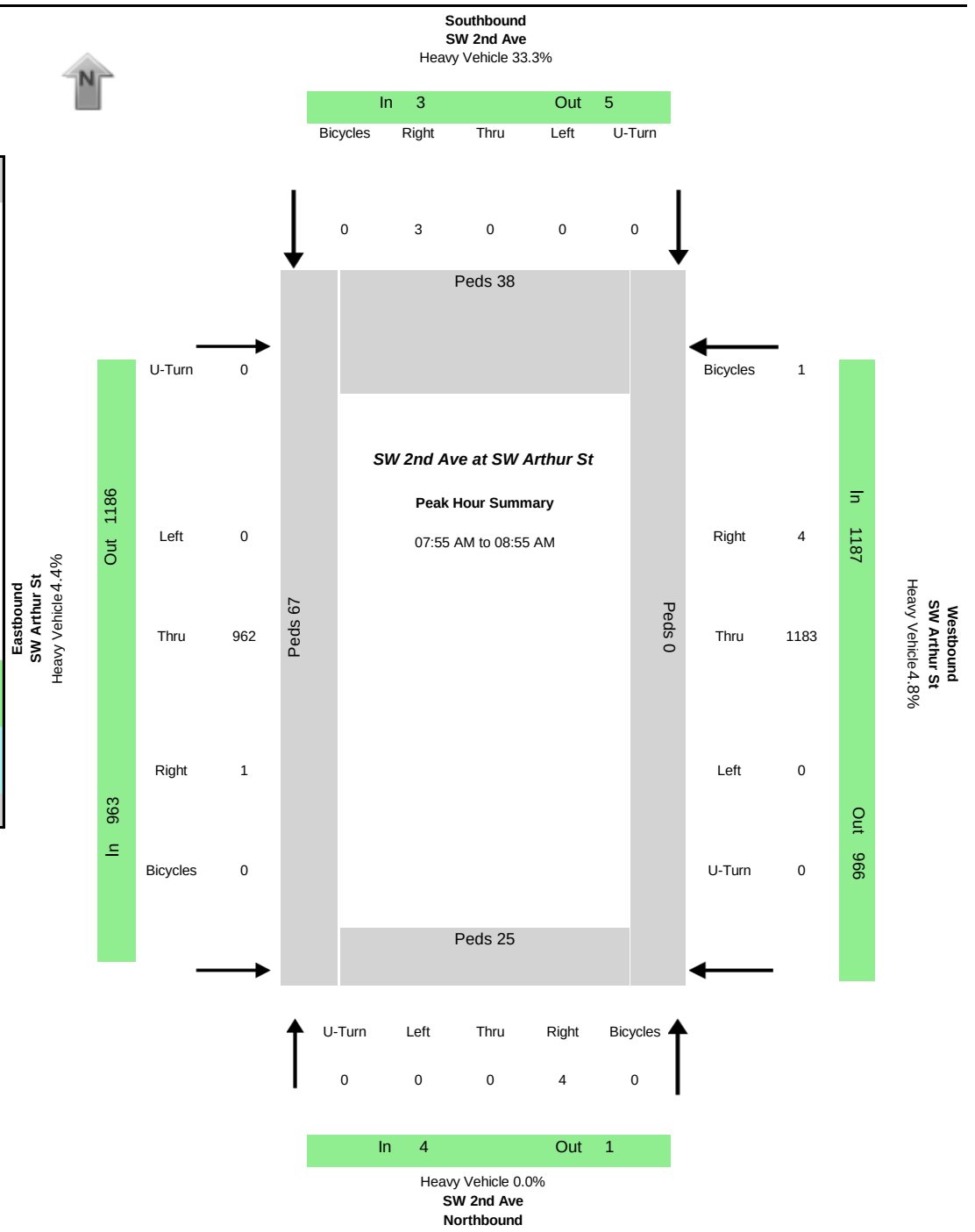
PHV- Bicycles																	PHV - Pedestrians				
Northbound				Southbound				Eastbound				Westbound					in Crosswalk				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**	NB	SB	EB	WB	**Sum**
	0	0	0	0	0		0					4		1	0	5	9	0		0	9

All Vehicle Volumes

	Northbound				Southbound				Eastbound				Westbound					
	SW 3rd Ave				SW 3rd Ave								SW Arthur St				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
07:00:00 AM		0	0	0	51	3		0					0		112	0		
07:05:00 AM		0	0	0	59	4		0					0		109	0		
07:10:00 AM		0	0	0	57	4		0					0		90	0	489	
07:15:00 AM		0	0	0	55	4		0					0		101	0	483	
07:20:00 AM		0	1	0	69	4		0					0		106	0	491	
07:25:00 AM		0	0	0	57	4		0					0		88	0	489	
07:30:00 AM		0	1	0	74	4		0					0		99	0	507	
07:35:00 AM		0	0	0	94	2		0					0		81	0	504	
07:40:00 AM		0	0	0	81	2		0					0		103	0	541	
07:45:00 AM		0	0	0	76	3		0					0		89	0	531	
07:50:00 AM		0	1	0	99	7		0					0		69	0	530	
07:55:00 AM		0	1	0	89	7		0					0		103	0	544	2063
08:00:00 AM		0	2	0	87	5		0					0		105	0	575	2096
08:05:00 AM		0	1	0	85	8		0					0		86	0	579	2104
08:10:00 AM		0	0	0	76	3		0					0		89	0	547	2121
08:15:00 AM		0	1	0	64	7		0					0		112	0	532	2145
08:20:00 AM		0	2	0	81	5		0					0		94	0	534	2147
08:25:00 AM		0	0	0	74	2		0					0		106	0	548	2180
08:30:00 AM		0	0	0	73	5		0					0		101	0	543	2181
08:35:00 AM		0	0	0	82	1		0					0		100	0	544	2187
08:40:00 AM		0	3	0	71	2		0					0		110	0	548	2187
08:45:00 AM		0	0	0	61	2		0					0		105	0	537	2187
08:50:00 AM		0	1	0	82	3		0					0		105	0	545	2202
08:55:00 AM		0	0	0	63	1		0					0		101	0	524	2167

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW 2nd Ave*
E/W street	*SW Arthur St*
City, State	Portland OR
Site Notes	
Location	45.503712 - -122.679733
Start Date	Tuesday, October 23, 2018
Start Time	07:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:55:00 AM
Peak 15 Min Start	07:55:00 AM
PHF (15-Min Int)	0.97



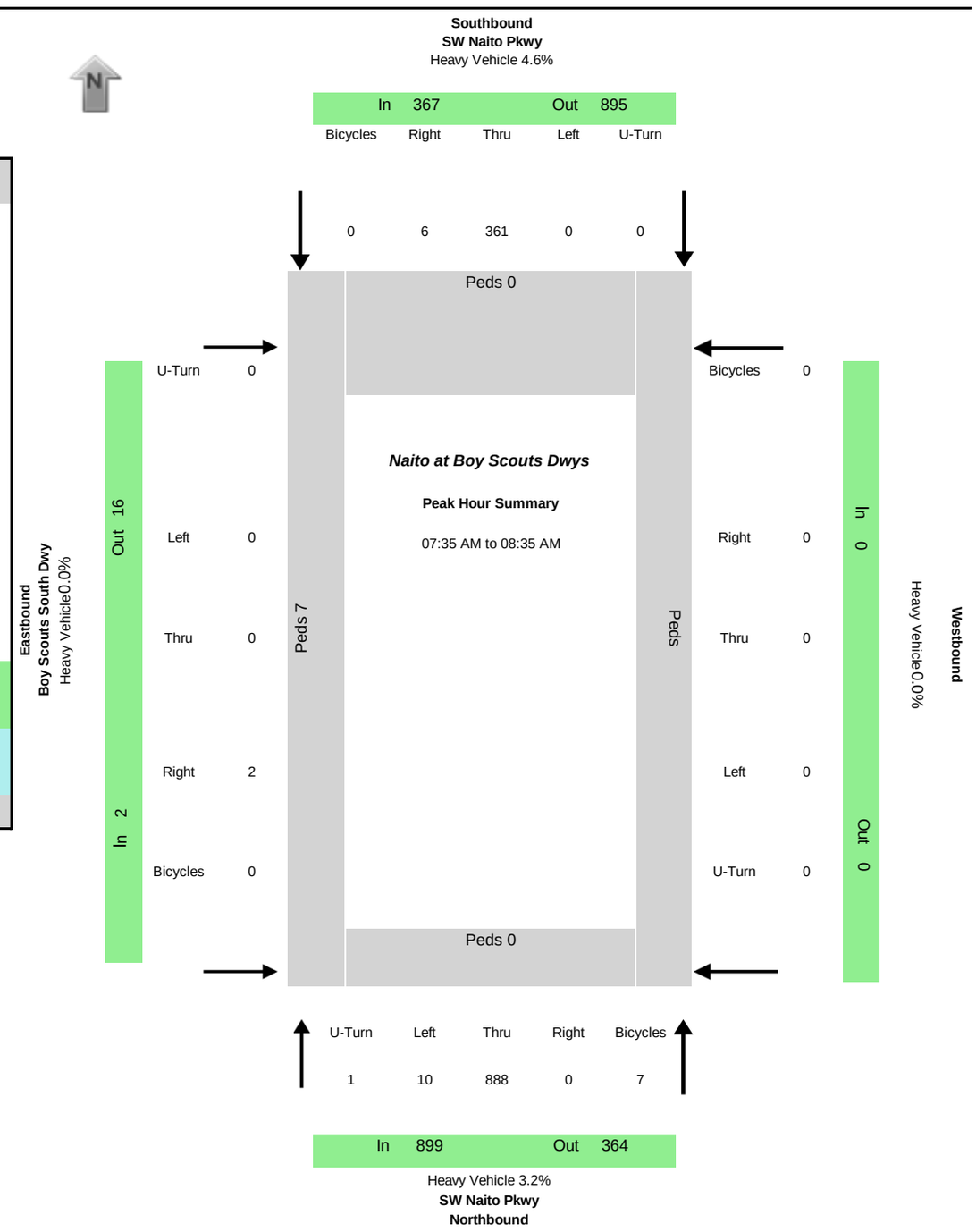
Peak-Hour Volumes (PHV)																							
Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
0	0	4	0	0	0	3	0	0	962	1	0	0	1183	4	0	4	3	963	1187	1	4	1186	966
Percent Heavy Vehicles																							
0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	33.3%	0.0%	0.0%	4.4%	0.0%	0.0%	0.0%	4.7%	25.0%	0.0%	0.0%	33.3%	4.4%	4.8%	0.0%	25.0%	4.8%	4.3%

PHV- Bicycles																	PHV - Pedestrians				
Northbound				Southbound				Eastbound				Westbound					in Crosswalk				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**	NB	SB	EB	WB	**Sum**
0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	25	38	67	0	130

All Vehicle Volumes																		
	Northbound				Southbound				Eastbound				Westbound					
	SW 2nd Ave				SW 2nd Ave				SW Arthur St				SW Arthur St				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
07:00:00 AM	0	0	1	0	0	0	0	0	0	52	0	0	0	115	1	0		
07:05:00 AM	0	0	0	0	0	0	0	0	0	59	0	0	0	112	0	0		
07:10:00 AM	0	0	1	0	0	0	0	0	0	58	0	0	0	93	1	0	493	
07:15:00 AM	0	0	0	0	0	0	0	0	0	55	0	0	0	97	0	0	476	
07:20:00 AM	0	0	0	0	0	0	0	0	0	61	0	0	0	110	0	0	476	
07:25:00 AM	0	0	0	0	0	0	0	0	0	67	0	0	0	82	0	0	472	
07:30:00 AM	0	0	0	0	0	0	0	0	0	75	0	0	0	96	0	0	491	
07:35:00 AM	0	0	0	0	0	0	0	0	0	91	0	0	0	74	0	0	485	
07:40:00 AM	0	0	1	0	0	0	0	0	0	88	0	0	0	107	0	0	532	
07:45:00 AM	0	0	0	0	0	0	0	0	0	75	0	0	0	78	0	0	514	
07:50:00 AM	0	0	1	0	0	0	0	0	0	89	0	0	0	66	1	0	506	
07:55:00 AM	0	0	1	0	0	0	1	0	0	100	0	0	0	88	0	0	500	1997
08:00:00 AM	0	0	0	0	0	0	0	0	0	93	0	0	0	99	1	0	540	2021
08:05:00 AM	0	0	1	0	0	0	0	0	0	81	0	0	0	90	0	0	555	2022
08:10:00 AM	0	0	0	0	0	0	0	0	0	84	0	0	0	93	0	0	542	2046
08:15:00 AM	0	0	0	0	0	0	0	0	0	65	0	0	0	111	0	0	525	2070
08:20:00 AM	0	0	1	0	0	0	0	0	0	76	0	0	0	94	0	0	524	2070
08:25:00 AM	0	0	0	0	0	0	1	0	0	80	0	0	0	100	0	0	528	2102
08:30:00 AM	0	0	0	0	0	0	1	0	0	74	0	0	0	89	1	0	517	2096
08:35:00 AM	0	0	0	0	0	0	0	0	0	78	0	0	0	100	0	0	524	2109
08:40:00 AM	0	0	0	0	0	0	0	0	0	85	0	0	0	113	1	0	542	2112
08:45:00 AM	0	0	1	0	0	0	0	0	0	62	0	0	0	105	0	0	545	2127
08:50:00 AM	0	0	0	0	0	0	0	0	0	84	1	0	0	101	1	0	554	2157
08:55:00 AM	0	0	0	0	0	0	0	0	0	49	0	0	0	74	0	0	478	2090

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW Naito Pkwy*
E/W street	*Boy Scouts Driveways*
City, State	Portland OR
Site Notes	
Location	45.507335 - -122.677554
Start Date	Wednesday, October 24, 2018
Start Time	07:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:35:00 AM
Peak 15 Min Start	08:10:00 AM
PHF (15-Min Int)	0.95



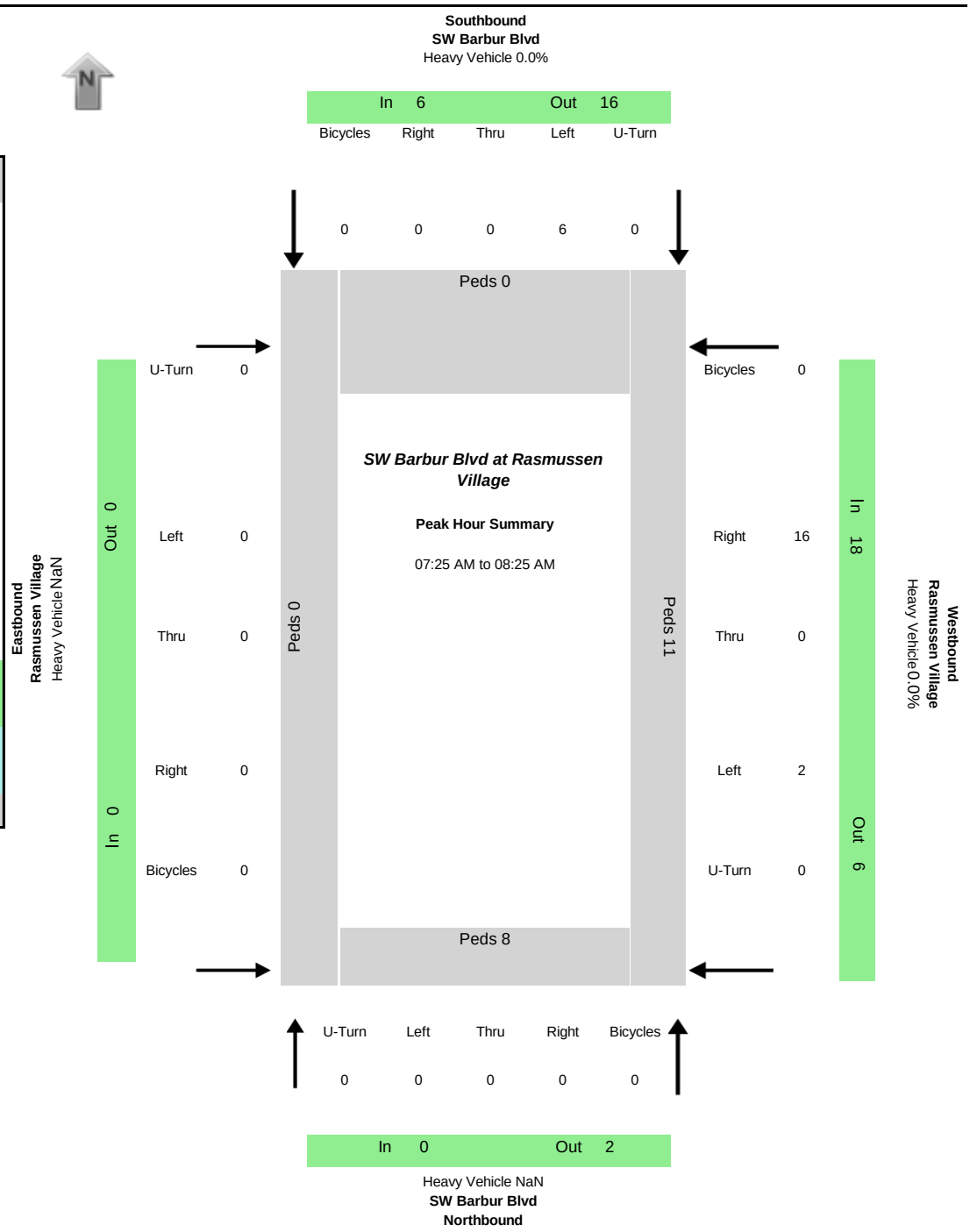
Peak-Hour Volumes (PHV)																							
Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
10	888	0	1	0	361	6	0	0	0	2	0	0	0	0	0	899	367	2	0	364	888	16	0
Percent Heavy Vehicles																							
0.0%	3.3%	0.0%	0.0%	0.0%	4.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.2%	4.6%	0.0%	0.0%	4.7%	3.3%	0.0%	0.0%

PHV- Bicycles																	PHV - Pedestrians				
Northbound				Southbound				Eastbound				Westbound					in Crosswalk				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	NB	SB	EB	WB	Sum
0	7		0		0	0	0	0		0	0					7	0	0	7		7

All Vehicle Volumes																		
	Northbound				Southbound				Eastbound				Westbound					
	SW Naito Pkwy				SW Naito Pkwy				Boy Scouts Driveways								15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
07:00:00 AM	0	70		0		17	0	0	0		0	0						
07:00:00 AM	0	3		0		0	0	0	0		0	0						
07:05:00 AM	1	75		0		17	0	0	0		0	0						
07:05:00 AM	0	1		0		0	0	0	0		0	0						
07:10:00 AM	0	72		0		23	0	0	0		0	0					287	
07:10:00 AM	0	5		0		3	0	0	0		0	0					287	
07:15:00 AM	3	79		0		19	0	0	0		0	0					301	
07:15:00 AM	0	3		0		0	0	0	0		0	0					301	
07:20:00 AM	1	90		1		23	0	0	0		0	0					328	
07:20:00 AM	0	3		0		3	0	0	0		0	0					328	
07:25:00 AM	1	68		0		15	0	0	0		0	0					309	
07:25:00 AM	0	0		0		0	0	0	0		0	0					309	
07:30:00 AM	1	75		0		19	0	0	0		0	0					304	
07:30:00 AM	0	2		0		2	0	0	0		0	0					304	
07:35:00 AM	1	80		0		25	0	0	0		0	0					294	
07:35:00 AM	0	4		0		1	0	0	0		0	0					294	
07:40:00 AM	2	69		0		26	0	0	0		0	0					309	
07:40:00 AM	0	2		0		0	0	0	0		0	0					309	
07:45:00 AM	1	65		1		27	1	0	0		0	0					312	
07:45:00 AM	0	5		0		2	0	0	0		0	0					312	
07:50:00 AM	1	82		0		37	0	0	0		0	0					326	
07:50:00 AM	0	2		0		3	0	0	0		0	0					326	
07:55:00 AM	0	74		0		23	0	0	0		0	0					325	1230
07:55:00 AM	0	0		0		1	0	0	0		0	0					325	1230
08:00:00 AM	0	71		0		34	0	0	0		0	0					330	1247
08:00:00 AM	0	1		0		1	0	0	0		0	0					330	1247
08:05:00 AM	0	65		0		17	1	0	0		0	0					292	1240
08:05:00 AM	0	3		0		1	0	0	0		0	0					292	1240
08:10:00 AM	0	82		0		37	1	0	0		0	0					318	1261
08:10:00 AM	0	1		0		3	0	0	0		0	0					318	1261
08:15:00 AM	1	64		0		25	1	0	0		0	0					306	1252
08:15:00 AM	0	4		0		0	0	0	0		0	0					306	1252
08:20:00 AM	0	72		0		36	2	0	0		0	0					333	1245
08:20:00 AM	0	4		0		0	0	0	0		0	0					333	1245
08:25:00 AM	2	66		0		32	0	0	0		1	0					313	1265
08:25:00 AM	0	1		0		2	0	0	0		0	0					313	1265
08:30:00 AM	2	69		0		25	0	0	0		1	0					320	1268
08:30:00 AM	0	2		0		3	0	0	0		0	0					320	1268
08:35:00 AM	2	60		0		31	0	0	0		0	0					303	1254
08:35:00 AM	0	1		0		3	0	0	0		0	0					303	1254
08:40:00 AM	0	61		0		33	1	0	0		0	0					295	1251
08:40:00 AM	0	0		0		1	0	0	0		0	0					295	1251
08:45:00 AM	1	64		0		27	1	0	0		0	0					293	1249
08:45:00 AM	1	4		0		1	0	0	0		1	0					293	1249
08:50:00 AM	0	82		0		26	0	0	0		0	1					309	1237
08:50:00 AM	0	0		0		4	0	0	0		0	0					309	1237
08:55:00 AM	0	71		0		21	1	0	0		0	0					309	1235
08:55:00 AM	0	1		0		2	0	0	0		0	0					309	1235

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW Barbur Blvd*
E/W street	*Rasmussen Village*
City, State	Portland OR
Site Notes	
Location	45.487567 - -122.682695
Start Date	Wednesday, November 14, 2018
Start Time	07:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:25:00 AM
Peak 15 Min Start	07:25:00 AM
PHF (15-Min Int)	0.86



Peak-Hour Volumes (PHV)

Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
0	0	0	0	6	0	0	0	0	0	0	0	2	0	16	0	0	6	0	18	2	16	0	6
Percent Heavy Vehicles																							
0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	#DIV/0!	0.0%	#DIV/0!	0.0%	0.0%	0.0%	#DIV/0!	0.0%

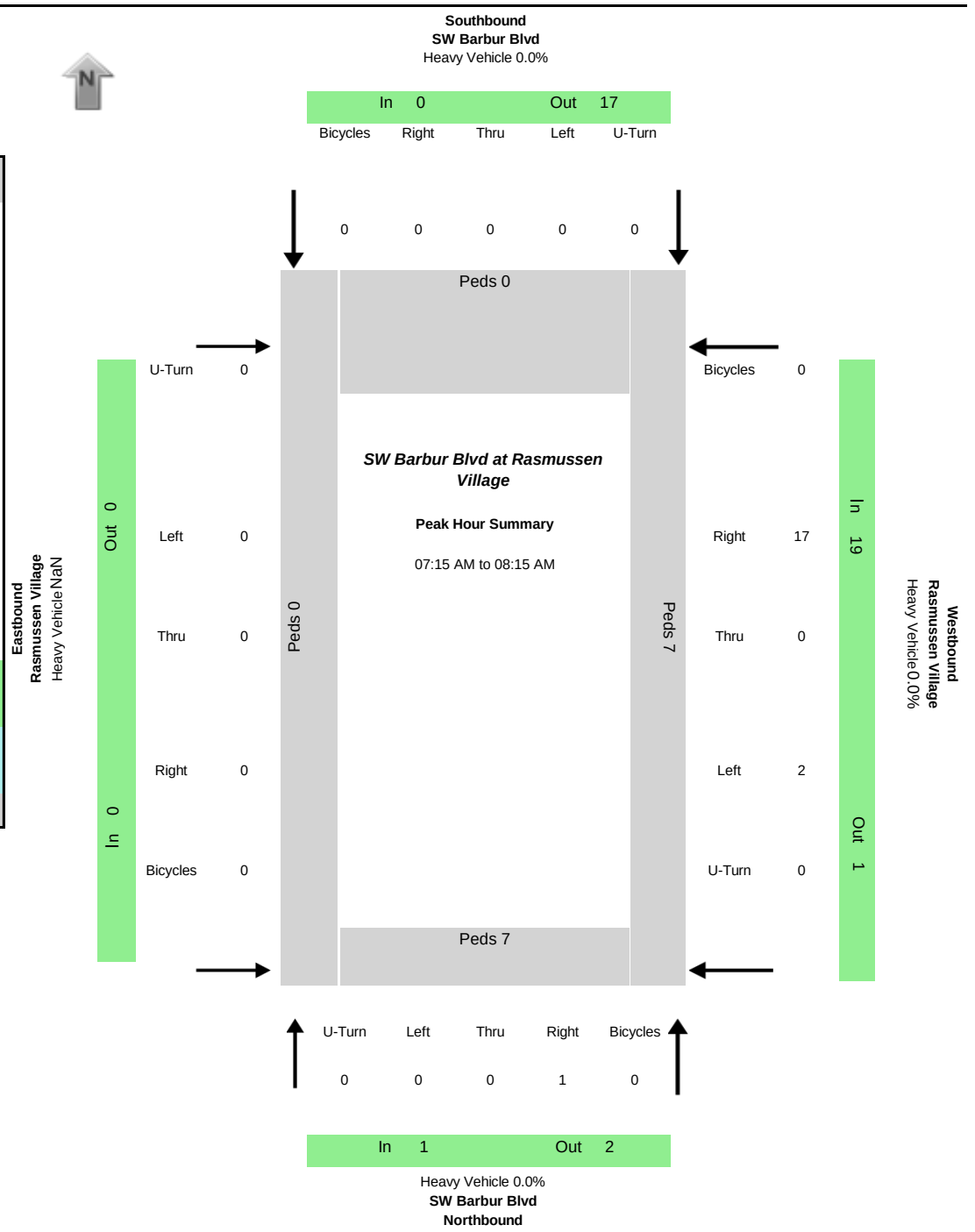
PHV- Bicycles																	PHV - Pedestrians				
Northbound				Southbound				Eastbound				Westbound					in Crosswalk				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	NB	SB	EB	WB	Sum
0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	8	0	0	11	19

All Vehicle Volumes

	Northbound				Southbound				Eastbound				Westbound					
	SW Barbur Blvd				SW Barbur Blvd				Rasmussen Village				Rasmussen Village				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
07:00:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0		
07:05:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
07:10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	
07:15:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
07:20:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	
07:25:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	4	
07:30:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	7	
07:35:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	7	
07:40:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	7	
07:45:00 AM	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	6	
07:50:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	7	
07:55:00 AM	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	6	20
08:00:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	5	18
08:05:00 AM	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	5	20
08:10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	4	21
08:15:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	4	22
08:20:00 AM	0	0	0	0	2	0	0	0	0	0	0	0	0	0	1	0	5	24
08:25:00 AM	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	5	22
08:30:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	5	20
08:35:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	19
08:40:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	17
08:45:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	4	18
08:50:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	16
08:55:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	4	15

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW Barbur Blvd*
E/W street	*Rasmussen Village*
City, State	Portland OR
Site Notes	
Location	45.487567 - -122.682695
Start Date	Thursday, November 15, 2018
Start Time	07:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:15:00 AM
Peak 15 Min Start	07:20:00 AM
PHF (15-Min Int)	0.45



Peak-Hour Volumes (PHV)

Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
0	0	1	0	0	0	0	0	0	0	0	0	2	0	17	0	1	0	0	19	2	17	0	1

Percent Heavy Vehicles

0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	#DIV/0!	0.0%	0.0%	0.0%	#DIV/0!	0.0%

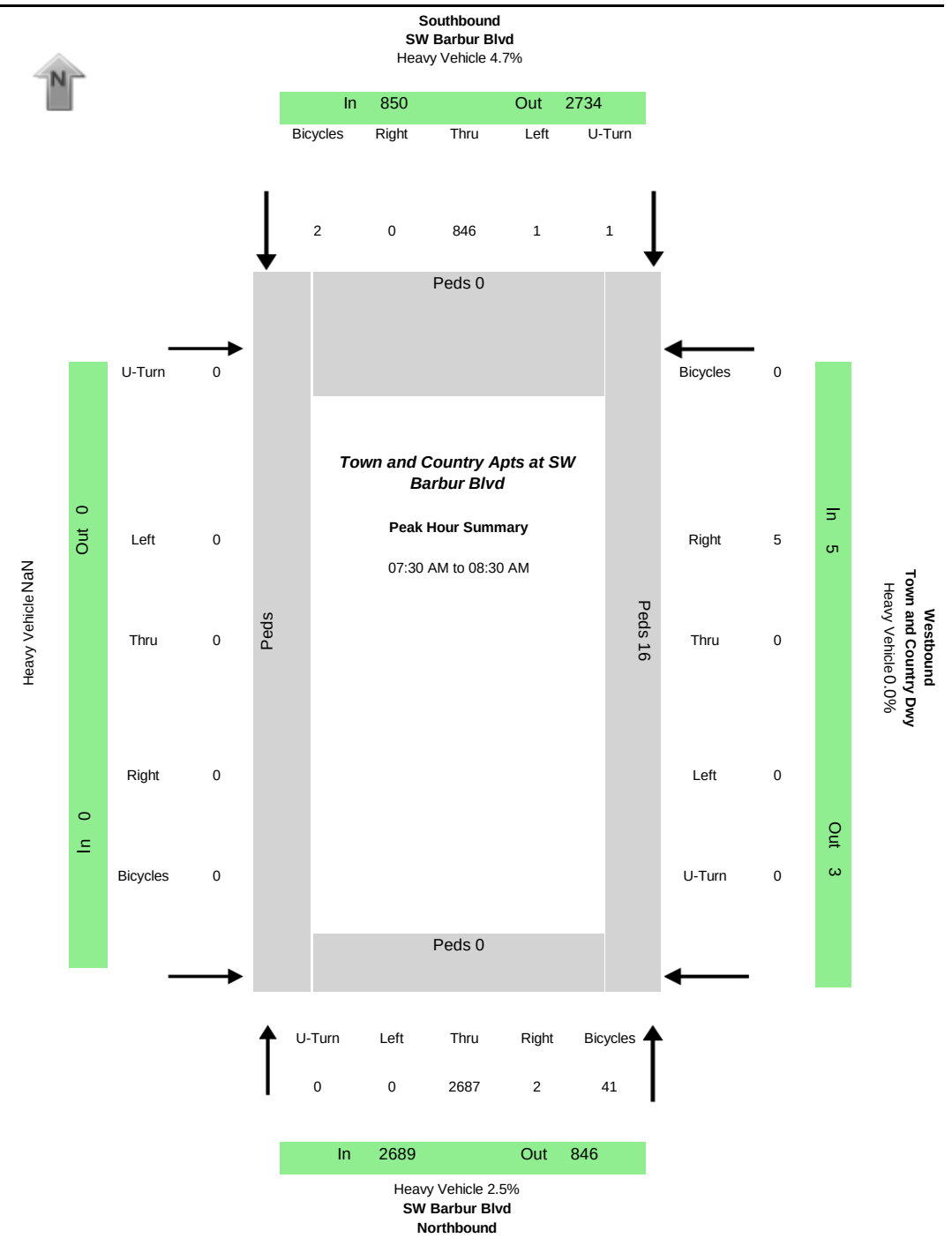
PHV- Bicycles																	PHV - Pedestrians				
Northbound				Southbound				Eastbound				Westbound					in Crosswalk				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**	NB	SB	EB	WB	**Sum**
0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	7	0	0	7	14

All Vehicle Volumes

	Northbound				Southbound				Eastbound				Westbound					
	SW Barbur Blvd				SW Barbur Blvd				Rasmussen Village				Rasmussen Village				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
07:00:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0		
07:05:00 AM	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0		
07:10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	
07:15:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	
07:20:00 AM	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	0	4	
07:25:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	6	
07:30:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	5	0	11	
07:35:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	9	
07:40:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	10	
07:45:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	
07:50:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	
07:55:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
08:00:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	18
08:05:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	17
08:10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	4	20
08:15:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	19
08:20:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	5	18
08:25:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	16
08:30:00 AM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	5	13
08:35:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	4	13
08:40:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	5	11
08:45:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	4	13
08:50:00 AM	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2	0	7	17
08:55:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	17

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW Barbur Blvd*
E/W street	*Town and Country Dwy*
City, State	Portland OR
Site Notes	
Location	45.488337 - -122.682662
Start Date	Wednesday, November 14, 2018
Start Time	07:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:30:00 AM
Peak 15 Min Start	07:35:00 AM
PHF (15-Min Int)	0.95



Peak-Hour Volumes (PHV)

Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
0	2687	2	0	1	846	0	1	0	0	0	0	0	0	5	0	2689	848	0	5	846	2693	0	3
Percent Heavy Vehicles																							
0.0%	2.5%	0.0%	0.0%	0.0%	4.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.5%	4.7%	#DIV/0!	0.0%	4.7%	2.5%	#DIV/0!	0.0%

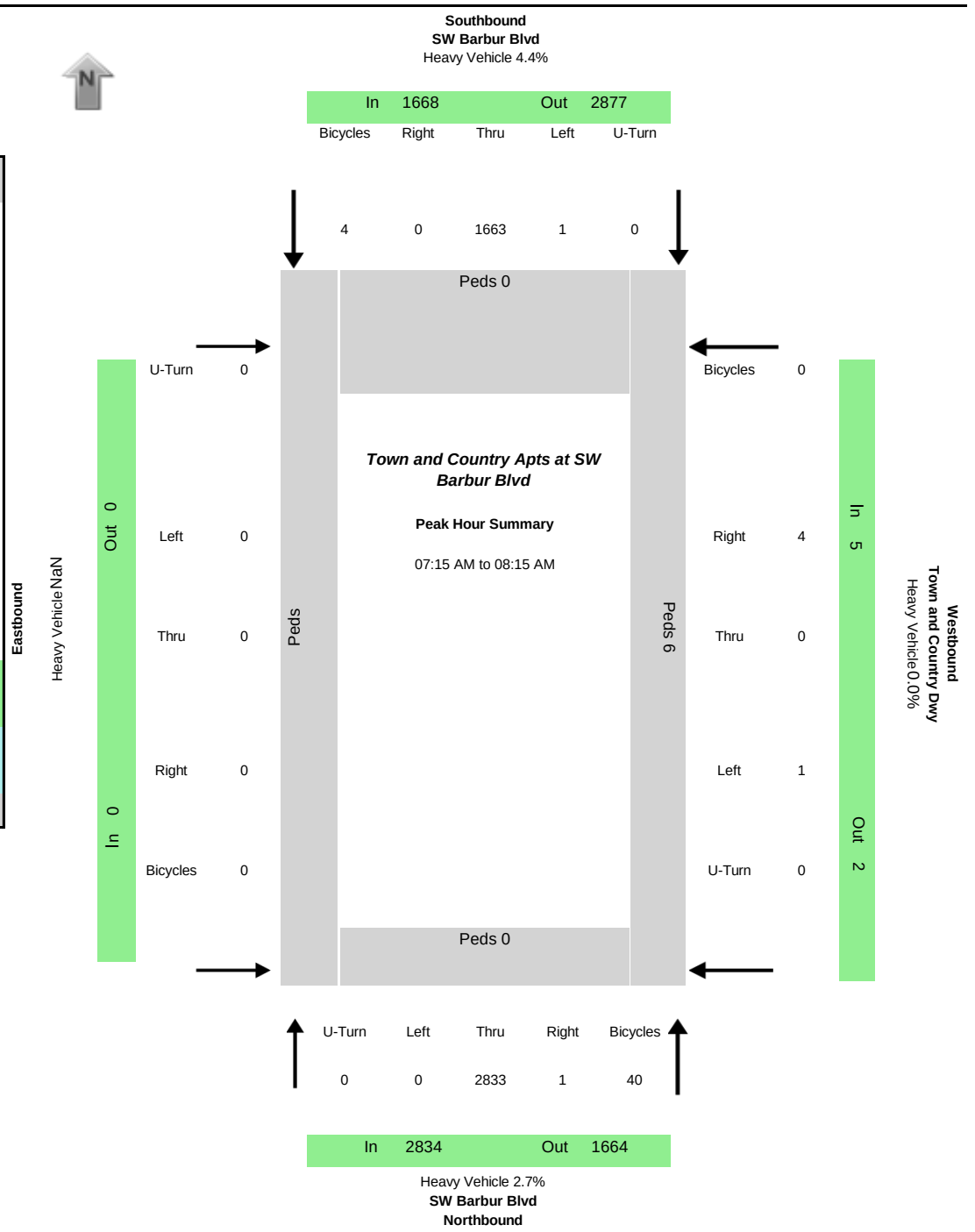
PHV- Bicycles																	PHV - Pedestrians				
Northbound				Southbound				Eastbound				Westbound					in Crosswalk				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	NB	SB	EB	WB	Sum
	41	0	0	0	2		0					0		0	0	43	0	0		16	16

All Vehicle Volumes

	Northbound				Southbound				Eastbound				Westbound					
	SW Barbur Blvd				SW Barbur Blvd								Town and Country Dwy				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
07:00:00 AM		112	0	0	0	43		0					0		1	0		
07:05:00 AM		145	0	0	0	40		0					0		0	0		
07:10:00 AM		169	0	0	0	62		0					0		0	0	572	
07:15:00 AM		198	0	0	0	57		0					0		0	0	671	
07:20:00 AM		192	0	0	0	56		0					0		1	0	735	
07:25:00 AM		221	0	0	0	56		0					0		0	0	781	
07:30:00 AM		219	0	0	0	67		0					0		2	0	814	
07:35:00 AM		239	0	0	0	76		1					0		0	0	881	
07:40:00 AM		227	1	0	1	69		0					0		1	0	903	
07:45:00 AM		233	0	0	0	84		0					0		1	0	933	
07:50:00 AM		219	0	0	0	71		0					0		0	0	907	
07:55:00 AM		233	1	0	0	83		0					0		0	0	925	3181
08:00:00 AM		186	0	0	0	59		0					0		0	0	852	3270
08:05:00 AM		213	0	0	0	60		0					0		0	0	835	3358
08:10:00 AM		192	0	0	0	73		0					0		0	0	783	3392
08:15:00 AM		237	0	0	0	57		0					0		0	0	832	3431
08:20:00 AM		235	0	0	0	72		0					0		0	0	866	3489
08:25:00 AM		254	0	0	0	75		0					0		1	0	931	3542
08:30:00 AM		213	0	0	0	68		0					0		0	0	918	3535
08:35:00 AM		219	0	0	0	64		0					0		0	0	894	3502
08:40:00 AM		215	0	0	0	80		0					0		1	0	860	3499
08:45:00 AM		248	0	0	0	57		0					0		0	0	884	3486
08:50:00 AM		164	0	0	1	75		0					0		0	0	841	3436
08:55:00 AM		191	0	0	0	65		0					0		3	0	804	3378

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW Barbur Blvd*
E/W street	*Town and Country Dwy*
City, State	Portland OR
Site Notes	
Location	45.488337 - -122.682662
Start Date	Thursday, November 15, 2018
Start Time	07:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:15:00 AM
Peak 15 Min Start	07:20:00 AM
PHF (15-Min Int)	0.94



Peak-Hour Volumes (PHV)

Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
0	2833	1	0	1	1663	0	0	0	0	0	0	1	0	4	0	2834	1664	0	5	1664	2837	0	2

Percent Heavy Vehicles

0.0%	2.8%	0.0%	0.0%	0.0%	4.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.8%	4.4%	#DIV/0!	0.0%	4.4%	2.7%	#DIV/0!	0.0%

PHV- Bicycles

Northbound				Southbound				Eastbound				Westbound				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**
	40	0	0	0	4		0					0		0	0	44

PHV - Pedestrians

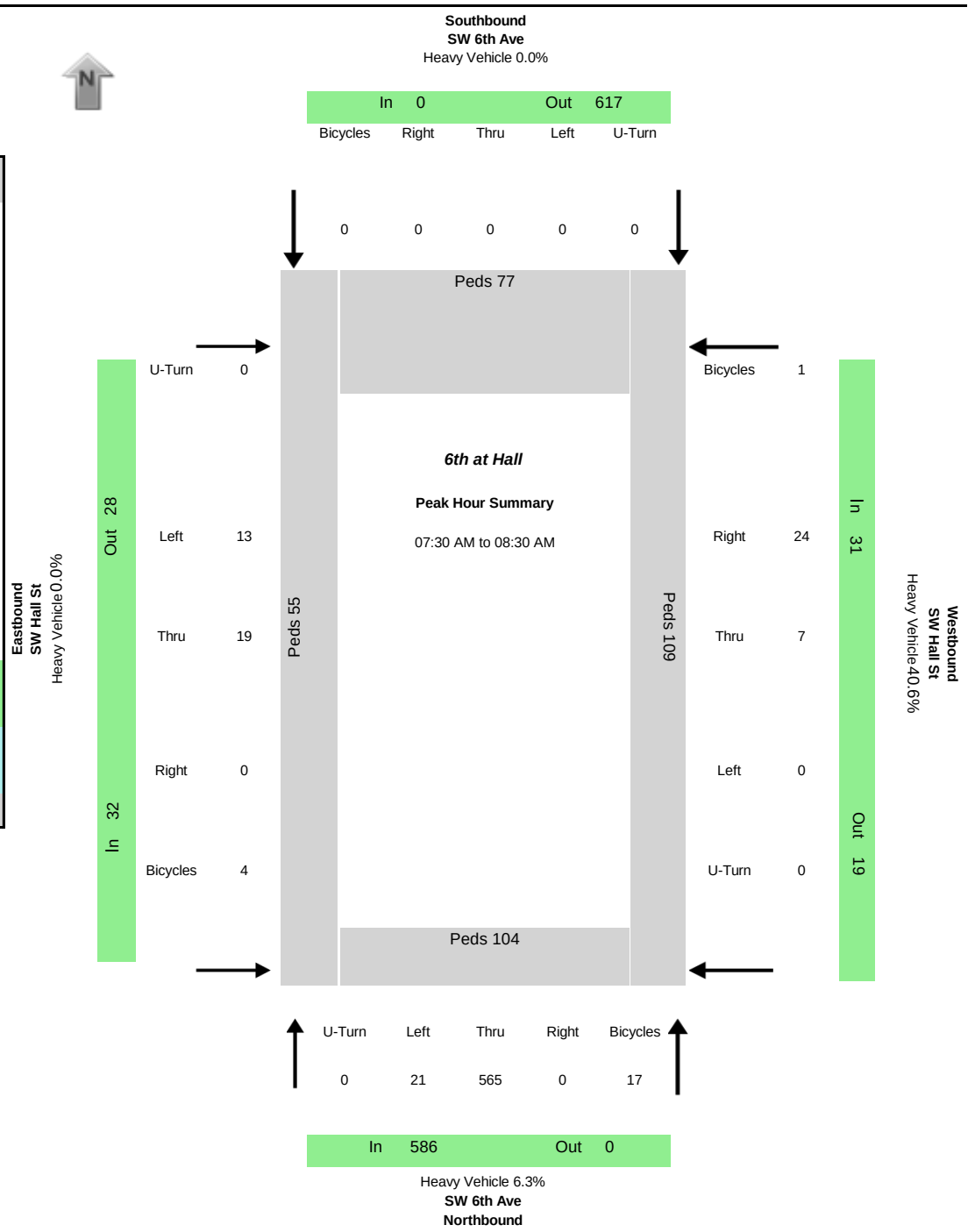
in Crosswalk				
NB	SB	EB	WB	**Sum**
0	0		6	6

All Vehicle Volumes

	Northbound				Southbound				Eastbound				Westbound					
	SW Barbur Blvd				SW Barbur Blvd								Town and Country Dwy				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
07:00:00 AM		154	0	0	0	145		0					0		0	0		
07:05:00 AM		184	0	0	0	155		0					0		0	0		
07:10:00 AM		171	0	0	0	172		0					0		0	0	981	
07:15:00 AM		197	0	0	0	136		0					0		0	0	1015	
07:20:00 AM		259	0	0	0	164		0					0		2	0	1101	
07:25:00 AM		249	0	0	0	138		0					0		0	0	1145	
07:30:00 AM		246	0	0	0	138		0					1		0	0	1197	
07:35:00 AM		240	0	0	0	137		0					0		0	0	1149	
07:40:00 AM		250	0	0	0	120		0					0		1	0	1133	
07:45:00 AM		254	0	0	0	140		0					0		0	0	1142	
07:50:00 AM		234	0	0	0	148		0					0		0	0	1147	
07:55:00 AM		210	0	0	0	134		0					0		1	0	1121	4380
08:00:00 AM		246	0	0	0	136		0					0		0	0	1109	4463
08:05:00 AM		234	0	0	0	131		0					0		0	0	1092	4489
08:10:00 AM		214	1	0	1	141		0					0		0	0	1104	4503
08:15:00 AM		216	0	0	0	105		0					0		0	0	1043	4491
08:20:00 AM		254	1	0	0	129		0					0		0	0	1062	4450
08:25:00 AM		231	0	0	0	113		0					0		0	0	1049	4407
08:30:00 AM		193	0	0	0	144		0					0		0	0	1065	4359
08:35:00 AM		237	0	0	0	131		0					0		1	0	1050	4351
08:40:00 AM		217	0	0	0	130		0					0		1	0	1054	4328
08:45:00 AM		207	1	0	0	107		0					0		1	0	1033	4250
08:50:00 AM		195	0	0	0	107		0					1		0	0	967	4171
08:55:00 AM		205	0	0	0	84		0					0		0	0	908	4115

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW 6th Ave*
E/W street	*SW Hall St*
City, State	Portland OR
Site Notes	
Location	45.510408 - -122.683272
Start Date	Wednesday, March 15, 2017
Start Time	07:00:00 AM
Weather	
Study ID #	107615
Peak Hour Start	07:30:00 AM
Peak 15 Min Start	07:35:00 AM
PHF (15-Min Int)	0.87



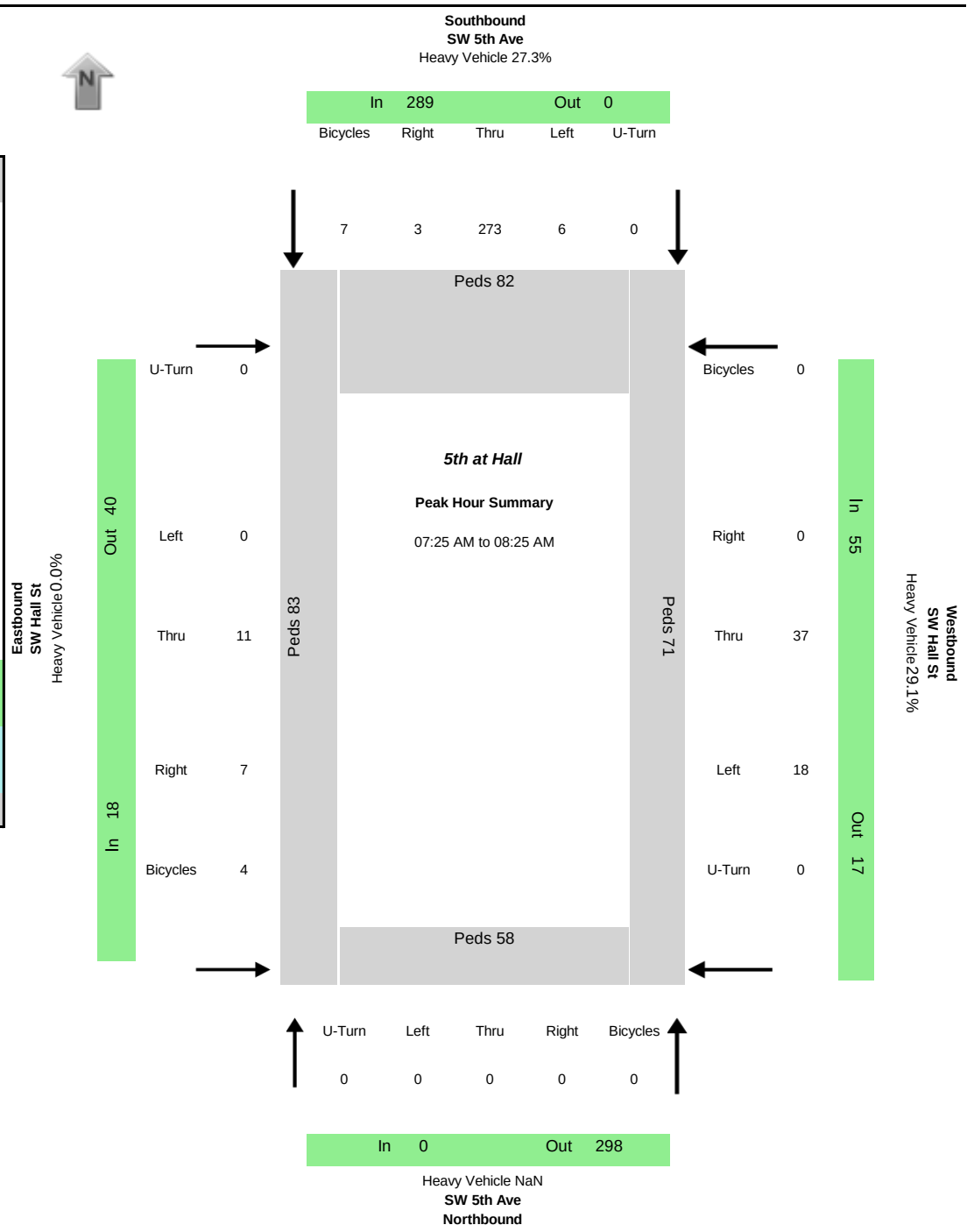
Peak-Hour Volumes (PHV)																							
Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
21	565	0	0	0	0	0	0	13	19	0	0	0	7	24	0	586	0	32	31	0	602	28	19
Percent Heavy Vehicles																							
4.8%	6.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	54.2%	0.0%	6.5%	0.0%	0.0%	41.9%	#DIV/0!	8.3%	3.6%	0.0%

PHV- Bicycles																	PHV - Pedestrians				
Northbound				Southbound				Eastbound				Westbound					in Crosswalk				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**	NB	SB	EB	WB	**Sum**
1	15	1						0	4		0		1	0	0	22	104	77	55	109	345

All Vehicle Volumes																		
	Northbound				Southbound				Eastbound				Westbound					
	SW 6th Ave								SW Hall St				SW Hall St				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
07:00:00 AM	1	31	0						0	0		0		0	1	0		
07:05:00 AM	0	38	0						0	1		0		0	1	0		
07:10:00 AM	2	40	0						0	2		0		0	4	0	121	
07:15:00 AM	0	38	0						2	0		0		2	0	0	130	
07:20:00 AM	0	42	0						2	0		0		0	0	0	134	
07:25:00 AM	2	33	0						0	1		0		0	3	0	125	
07:30:00 AM	0	44	0						0	2		0		0	2	0	131	
07:35:00 AM	3	58	0						0	1		0		0	1	0	150	
07:40:00 AM	2	64	0						1	3		0		0	2	0	183	
07:45:00 AM	2	44	0						1	2		0		0	2	0	186	
07:50:00 AM	0	44	0						0	0		0		2	1	0	170	
07:55:00 AM	1	41	0						0	0		0		2	3	0	145	574
08:00:00 AM	4	59	0						1	1		0		0	0	0	159	606
08:05:00 AM	1	41	0						2	1		0		1	3	0	161	615
08:10:00 AM	2	35	0						2	3		0		0	5	0	161	614
08:15:00 AM	1	40	0						3	3		0		0	3	0	146	622
08:20:00 AM	1	40	0						2	2		0		2	0	0	144	625
08:25:00 AM	4	55	0						1	1		0		0	2	0	160	649
08:30:00 AM	1	39	0						2	1		0		1	1	0	155	646
08:35:00 AM	2	29	0						1	2		0		1	2	0	145	620
08:40:00 AM	2	55	0						1	1		0		0	2	0	143	609
08:45:00 AM	0	40	0						0	6		0		0	1	0	145	605
08:50:00 AM	2	35	0						3	1		0		0	3	0	152	602
08:55:00 AM	1	52	0						1	3		0		2	2	0	152	616

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW 5th Ave*
E/W street	*SW Hall St*
City, State	Portland OR
Site Notes	
Location	45.510141 - -122.682308
Start Date	Thursday, March 16, 2017
Start Time	07:00:00 AM
Weather	
Study ID #	107614
Peak Hour Start	07:25:00 AM
Peak 15 Min Start	07:40:00 AM
PHF (15-Min Int)	0.83



Peak-Hour Volumes (PHV)

Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
0	0	0	0	6	273	3	0	0	11	7	0	18	37	0	0	0	282	18	55	298	0	40	17

Percent Heavy Vehicles

0.0%	0.0%	0.0%	0.0%	0.0%	28.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	5.6%	40.5%	0.0%	0.0%	#DIV/0!	28.0%	0.0%	29.1%	26.8%	0.0%	37.5%	0.0%

PHV- Bicycles

Northbound				Southbound				Eastbound				Westbound				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**
0		0	0	1	6	0			3	1	0	0	0		0	11

PHV - Pedestrians

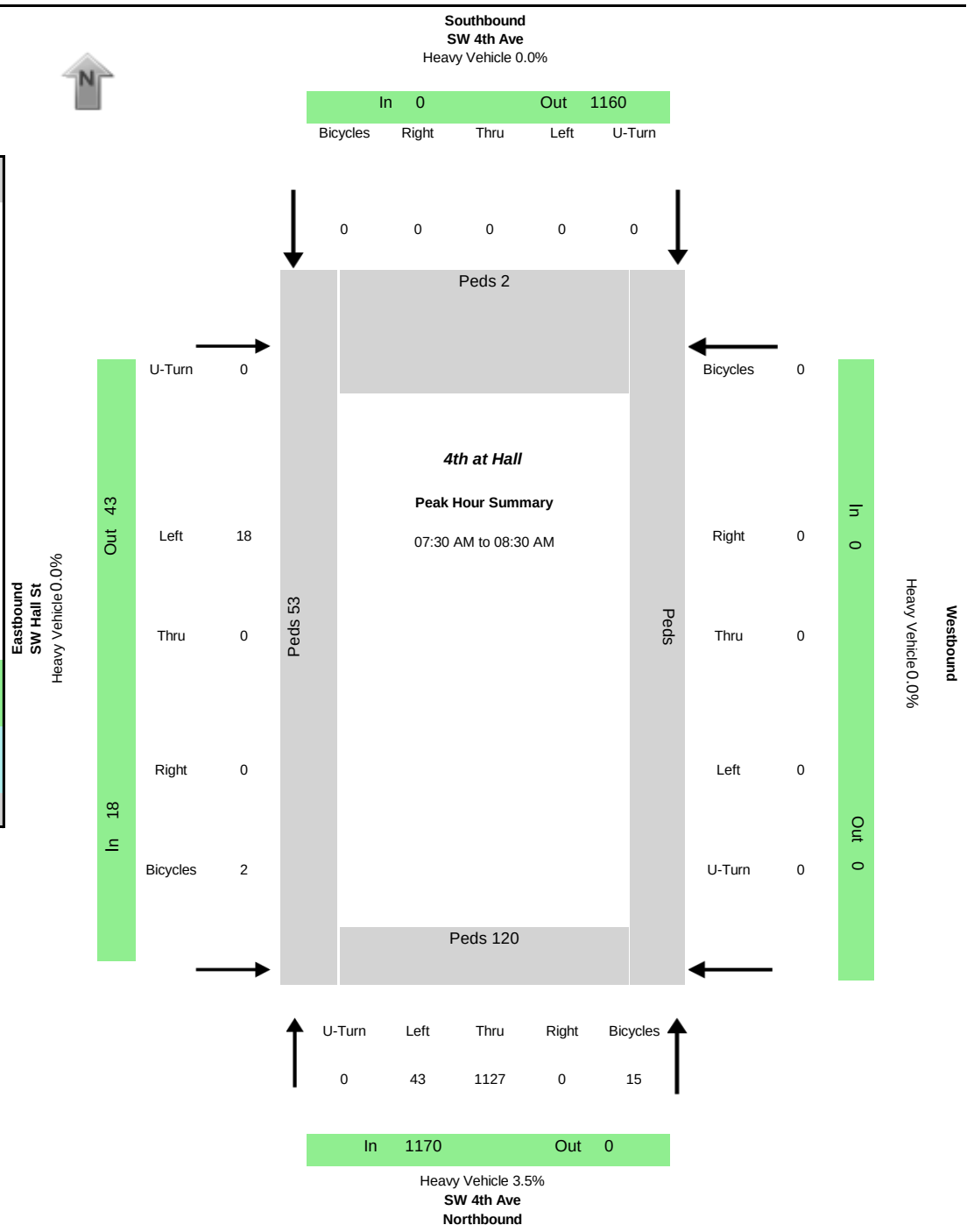
in Crosswalk				
NB	SB	EB	WB	**Sum**
58	82	83	71	294

All Vehicle Volumes

	Northbound				Southbound				Eastbound				Westbound					
	SW 5th Ave				SW 5th Ave				SW Hall St				SW Hall St				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
07:00:00 AM	0		0	0	0	10	0			1	0	0	0	2		0		
07:05:00 AM	0		0	0	1	9	0			0	1	0	0	1		0		
07:10:00 AM	0		0	0	0	18	0			2	0	0	0	3		0	48	
07:15:00 AM	0		0	0	0	8	0			0	0	0	0	2		0	45	
07:20:00 AM	0		0	0	0	19	0			0	0	0	1	0		0	53	
07:25:00 AM	0		0	0	0	18	0			1	1	0	1	3		0	54	
07:30:00 AM	0		0	0	0	19	0			2	0	0	0	3		0	68	
07:35:00 AM	0		0	0	0	23	0			1	0	0	1	2		0	75	
07:40:00 AM	0		0	0	0	31	0			1	2	0	2	2		0	89	
07:45:00 AM	0		0	0	0	23	0			1	1	0	1	3		0	94	
07:50:00 AM	0		0	0	0	34	1			0	0	0	2	3		0	107	
07:55:00 AM	0		0	0	2	25	0			0	0	0	0	2		0	98	289
08:00:00 AM	0		0	0	2	21	1			0	0	0	2	2		0	97	304
08:05:00 AM	0		0	0	1	24	1			1	0	0	2	6		0	92	327
08:10:00 AM	0		0	0	1	21	0			2	0	0	3	5		0	95	336
08:15:00 AM	0		0	0	0	13	0			2	0	0	2	4		0	88	347
08:20:00 AM	0		0	0	0	21	0			0	3	0	2	2		0	81	355
08:25:00 AM	0		0	0	2	13	0			1	0	0	1	2		0	68	350
08:30:00 AM	0		0	0	0	14	0			1	0	0	2	2		0	66	345
08:35:00 AM	0		0	0	3	19	0			0	0	0	0	2		0	62	342
08:40:00 AM	0		0	0	0	9	0			2	1	0	0	2		0	57	318
08:45:00 AM	0		0	0	3	31	0			3	1	0	7	1		0	84	335
08:50:00 AM	0		0	0	0	20	1			0	0	0	2	5		0	88	323
08:55:00 AM	0		0	0	3	13	0			1	0	0	1	6		0	98	318

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW 4th Ave*
E/W street	*SW Hall St*
City, State	Portland OR
Site Notes	
Location	45.509479 - -122.681344
Start Date	Thursday, March 16, 2017
Start Time	07:00:00 AM
Weather	
Study ID #	107616
Peak Hour Start	07:30:00 AM
Peak 15 Min Start	07:40:00 AM
PHF (15-Min Int)	0.86



Peak-Hour Volumes (PHV)

Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
43	1127	0	0	0	0	0	0	18	0	0	0	0	0	0	0	1170	0	18	0	0	1145	43	0
Percent Heavy Vehicles																							
32.6%	2.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.5%	0.0%	0.0%	0.0%	#DIV/0!	2.4%	32.6%	0.0%

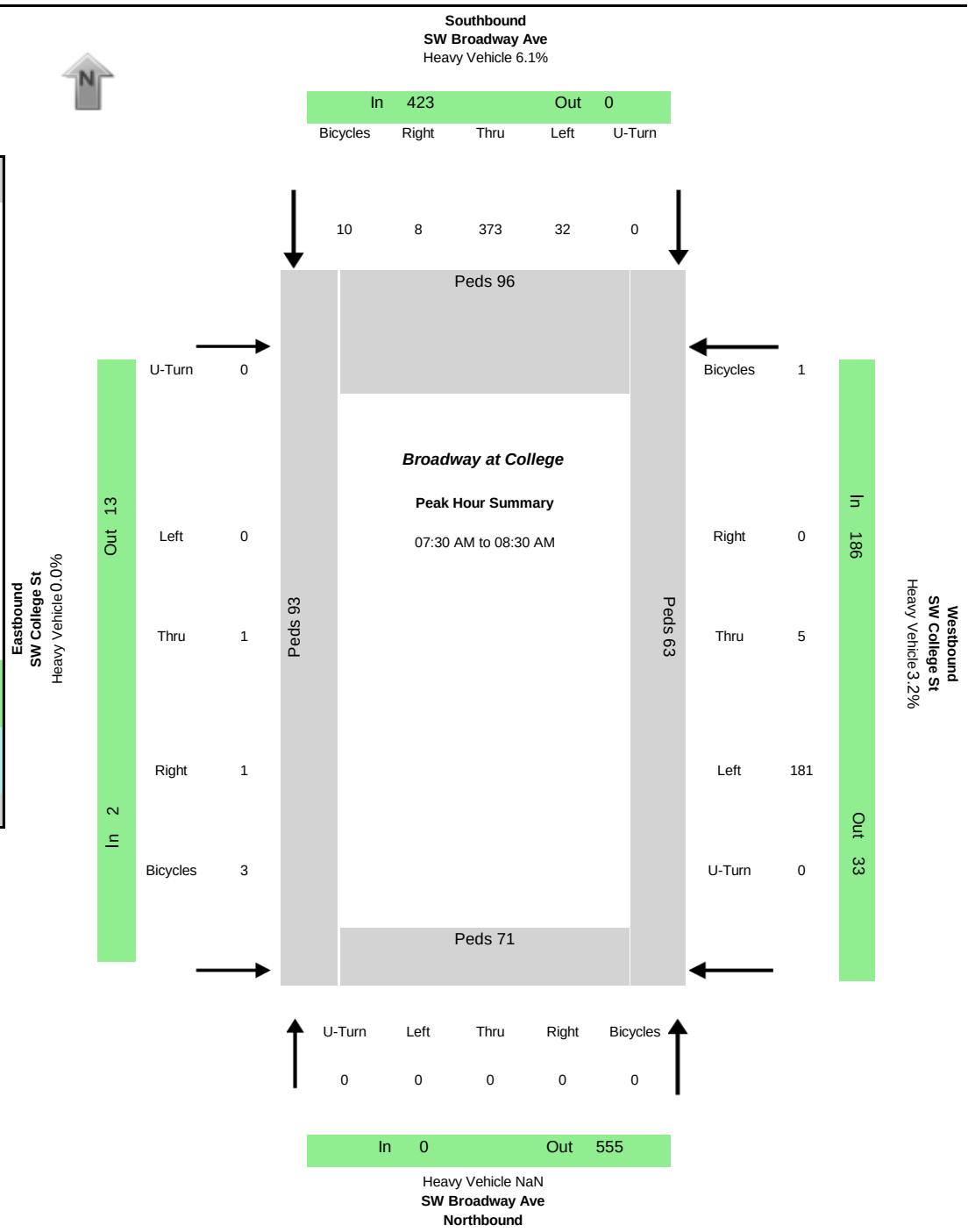
PHV- Bicycles																	PHV - Pedestrians				
Northbound				Southbound				Eastbound				Westbound					in Crosswalk				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**	NB	SB	EB	WB	**Sum**
0	15		0		0	0	0	0		2	0					17	120	2	53		175

All Vehicle Volumes

	Northbound				Southbound				Eastbound				Westbound					
	SW 4th Ave				SW 4th Ave				SW Hall St								15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
07:00:00 AM	2	53		0		0	0	0	1		0	0						
07:05:00 AM	1	71		0		0	0	0	1		0	0						
07:10:00 AM	4	62		0		0	0	0	2		0	0					197	
07:15:00 AM	0	54		0		0	0	0	0		0	0					195	
07:20:00 AM	2	75		0		0	0	0	0		0	0					199	
07:25:00 AM	3	94		0		0	0	0	1		0	0					229	
07:30:00 AM	2	72		0		0	0	0	2		0	0					251	
07:35:00 AM	3	101		0		0	0	0	0		0	0					278	
07:40:00 AM	2	112		0		0	0	0	2		0	0					296	
07:45:00 AM	1	120		0		0	0	0	1		0	0					342	
07:50:00 AM	6	101		0		0	0	0	1		0	0					346	
07:55:00 AM	4	83		0		0	0	0	2		0	0					319	1041
08:00:00 AM	2	98		0		0	0	0	2		0	0					299	1087
08:05:00 AM	7	79		0		0	0	0	2		0	0					279	1102
08:10:00 AM	7	72		0		0	0	0	3		0	0					272	1116
08:15:00 AM	4	97		0		0	0	0	1		0	0					272	1164
08:20:00 AM	5	93		0		0	0	0	1		0	0					283	1186
08:25:00 AM	0	99		0		0	0	0	1		0	0					301	1188
08:30:00 AM	5	70		0		0	0	0	1		0	0					275	1188
08:35:00 AM	1	84		0		0	0	0	2		0	0					263	1171
08:40:00 AM	2	85		0		0	0	0	1		0	0					251	1143
08:45:00 AM	8	89		0		0	0	0	6		0	0					278	1124
08:50:00 AM	6	74		0		0	0	0	0		0	0					271	1096
08:55:00 AM	5	66		0		0	0	0	4		0	0					258	1082

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW Broadway Ave*
E/W street	*SW College St*
City, State	Portland OR
Site Notes	
Location	45.509986 - -122.684679
Start Date	Thursday, March 16, 2017
Start Time	07:00:00 AM
Weather	
Study ID #	107617
Peak Hour Start	07:30:00 AM
Peak 15 Min Start	07:45:00 AM
PHF (15-Min Int)	0.77



Peak-Hour Volumes (PHV)

Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
0	0	0	0	32	373	8	0	0	1	1	0	181	5	0	0	0	413	2	186	555	0	13	33
Percent Heavy Vehicles																							
0.0%	0.0%	0.0%	0.0%	3.1%	6.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.3%	0.0%	0.0%	0.0%	#DIV/0!	6.3%	0.0%	3.2%	5.6%	0.0%	0.0%	3.0%

PHV- Bicycles																	PHV - Pedestrians				
Northbound				Southbound				Eastbound				Westbound					in Crosswalk				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	NB	SB	EB	WB	Sum
0		0	0	0	10	0			3	0	0	0	1		0	14	71	96	93	63	323

All Vehicle Volumes

	Northbound				Southbound				Eastbound				Westbound					
	SW Broadway Ave				SW Broadway Ave				SW College St				SW College St				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
07:00:00 AM	0		0	0	0	11	0			0	0	0	17	1		0		
07:05:00 AM	0		0	0	2	17	1			0	0	0	15	1		0		
07:10:00 AM	0		0	0	1	17	0			0	0	0	11	0		0	94	
07:15:00 AM	0		0	0	0	27	0			0	0	0	14	0		0	106	
07:20:00 AM	0		0	0	1	21	0			0	0	0	13	0		0	105	
07:25:00 AM	0		0	0	1	21	0			0	0	0	15	0		0	113	
07:30:00 AM	0		0	0	1	31	0			0	0	0	15	1		0	120	
07:35:00 AM	0		0	0	4	35	1			1	0	0	10	0		0	136	
07:40:00 AM	0		0	0	1	29	2			0	0	0	16	0		0	147	
07:45:00 AM	0		0	0	3	47	1			0	0	0	23	0		0	173	
07:50:00 AM	0		0	0	2	47	0			0	1	0	18	1		0	191	
07:55:00 AM	0		0	0	2	28	1			0	0	0	20	1		0	195	549
08:00:00 AM	0		0	0	3	29	0			0	0	0	13	0		0	166	565
08:05:00 AM	0		0	0	4	28	0			0	0	0	10	1		0	140	572
08:10:00 AM	0		0	0	1	29	0			0	0	0	16	1		0	135	590
08:15:00 AM	0		0	0	3	23	0			0	0	0	11	0		0	127	586
08:20:00 AM	0		0	0	5	23	0			0	0	0	11	0		0	123	590
08:25:00 AM	0		0	0	3	24	3			0	0	0	18	0		0	124	601
08:30:00 AM	0		0	0	1	23	0			0	0	0	16	0		0	127	593
08:35:00 AM	0		0	0	2	22	0			0	0	0	16	0		0	128	582
08:40:00 AM	0		0	0	6	20	1			0	0	0	15	0		0	122	576
08:45:00 AM	0		0	0	0	26	0			0	0	0	17	0		0	125	545
08:50:00 AM	0		0	0	4	27	2			0	0	0	16	0		0	134	525
08:55:00 AM	0		0	0	9	18	1			1	0	0	17	0		0	138	519

QUALITY COUNTS REPORT
==========

Intersection:	SW 6th Ave	SW College St		Lane Configuration:																			
City/State:	Portland	OR			SIGNAL	SBLane1	SBLane2	SBLane3	SBLane4	SBLane5	SBLane6	SBLane7											
QCJobNo:	13759205																						
ClientID:				EBLane7																			
Date:	3/30/2016			EBLane6																			
Comments:				EBLane5																			
				EBLane4																			
PEAK HOUR START	7:50 AM			EBLane3																			
PEAK HOUR END	8:50 AM			EBLane2																			
PEAK 15-MIN START	8:35 AM			EBLane1	LT																		
PEAK 15-MIN END	8:50 AM			SIGNAL						LT	T	TR											
PHF	0.93					NBLane7	NBLane6	NBLane5	NBLane4	NBLane3	NBLane2	NBLane1	SIGNAL										

PEAK-HOUR VOLUMES

NBLeft	NBThru	NBRight	SBLeft	SBThru	SBRight	EBLeft	EBThru	EBRight	WBLeft	WBThru	WBRight	NBEntering	SBEntering	EBEntering	WBEntering	NBLeaving	SBLeaving	EBLeaving	WBLeaving
173	577	3	0	0	0	14	27	0	0	43	41	753	0	41	84	632	0	30	216

PERCENT HEAVY VEHICLES

NBLeft	NBThru	NBRight	SBLeft	SBThru	SBRight	EBLeft	EBThru	EBRight	WBLeft	WBThru	WBRight	NBEntering	SBEntering	EBEntering	WBEntering	NBLeaving	SBLeaving	EBLeaving	WBLeaving
2.3	5.9	0	0	0	0	14.3	3.7	0	0	0	2.4	5	0	7.3	1.2	5.9	0	3.3	1.9

PEAK-HOUR VOLUMES - PEDESTRIANS

North	South	East	West
92	188	142	109

PEAK-HOUR VOLUMES - BICYCLES

NBLeft	NBThru	NBRight	SBLeft	SBThru	SBRight	EBLeft	EBThru	EBRight	WBLeft	WBThru	WBRight
1	32	3	0	0	0	0	5	0	0	4	0

PEAK 15-MIN FLOWRATES

VehicleType	NBLeft	NBThru	NBRight	NBUTurn	NBRTOR	SBLeft	SBThru	SBRight	SBUTurn	SBRTOR	EBLeft	EBThru	EBRight	EBUTurn	EBRTOR	WBLeft	WBThru	WBRight	WBUTurn	WBRTOR	Total
All Vehicles	164	652	0	0	0	0	0	0	0	0	4	20	0	0	0	0	68	40	0	0	948
Heavy Trucks	0	40	0			0	0	0			0	4	0			0	0	0			44
Pedestrians		296					140					144					232				812
Bicycles	0	8	1			0	0	0			0	0	0			0	2	0			11

ALL-VEHICLE VOLUMES

Time Period	NB Left	NB Thru	NB Right	NB U-Turn	NB RTOR	SB Left	SB Thru	SB Right	SB U-Turn	SB RTOR	EB Left	EB Thru	EB Right	EB U-Turn	EB RTOR	WB Left	WB Thru	WB Right	WB U-Turn	WB RTOR	Total	Hourly Totals
7:00 AM	5	25	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2	1	0	0	34	
7:05 AM	8	37	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	47	
7:10 AM	11	37	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2	3	0	0	54	
7:15 AM	7	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	44	
7:20 AM	13	27	1	0	0	0	0	0	0	0	2	1	0	0	0	0	1	0	0	0	45	
7:25 AM	7	41	0	0	0	0	0	0	0	0	1	1	0	0	0	0	2	3	0	0	55	
7:30 AM	17	50	0	0	0	0	0	0	0	0	0	3	0	0	0	0	2	0	0	0	72	
7:35 AM	13	53	2	0	0	0	0	0	0	0	1	2	0	0	0	0	1	1	0	0	73	
7:40 AM	16	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	2	0	0	74	
7:45 AM	11	54	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	4	0	0	72	
7:50 AM	16	46	0	0	0	0	0	0	0	0	0	2	0	0	0	0	6	5	0	0	75	
7:55 AM	22	47	0	0	0	0	0	0	0	0	0	2	0	0	0	0	1	2	0	0	74	719
8:00 AM	17	47	0	0	0	0	0	0	0	0	1	5	0	0	0	0	4	1	0	0	75	760
8:05 AM	11	57	0	0	0	0	0	0	0	0	4	1	0	0	0	0	3	5	0	0	81	794
8:10 AM	17	49	0	0	0	0	0	0	0	0	2	2	0	0	0	0	2	2	0	0	74	814
8:15 AM	13	38	0	0	0	0	0	0	0	0	1	2	0	0	0	0	2	4	0	0	60	830
8:20 AM	9	33	1	0	0	0	0	0	0	0	4	1	0	0	0	0	0	4	0	0	52	837
8:25 AM	16	56	2	0	0	0	0	0	0	0	0	2	0	0	0	0	5	2	0	0	83	865
8:30 AM	11	41	0	0	0	0	0	0	0	0	1	5	0	0	0	0	3	6	0	0	67	860
8:35 AM	8	56	0	0	0	0	0	0	0	0	1	4	0	0	0	0	7	2	0	0	78	865
8:40 AM	21	56	0	0	0	0	0	0	0	0	0	1	0	0	0	0	4	4	0	0	86	877
8:45 AM	12	51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	4	0	0	73	878
8:50 AM	14	45	3	0	0	0	0	0	0	0	1	1	0	0	0	0	0	2	0	0	66	869
8:55 AM	17	40	0	0	0	0	0	0	0	0	4	0	0	0	0	0	4	3	0	0	68	863

HEAVY-VEHICLE VOLUMES

Time Period	NB Left	NB Thru	NB Right	SB Left	SB Thru	SB Right	EB Left	EB Thru	EB Right	WB Left	WB Thru	WB Right	Total
7:00 AM	0	1	0	0	0	0	0	0	0	0	0	0	1
7:05 AM	0	2	0	0	0	0	0	0	0	0	0	0	2
7:10 AM	1	3	0	0	0	0	0	0	0	0	0	0	4
7:15 AM	0	5	0	0	0	0	0	0	0	0	0	0	5

7:20 AM	0	3	0	0	0	0	0	0	0	0	0	0	3
7:25 AM	0	1	0	0	0	0	0	0	0	0	0	0	1
7:30 AM	1	3	0	0	0	0	0	0	0	0	0	0	4
7:35 AM	0	3	0	0	0	0	0	0	0	0	0	0	3
7:40 AM	1	2	0	0	0	0	0	0	0	0	0	0	3
7:45 AM	0	4	0	0	0	0	0	0	0	0	0	0	4
7:50 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:55 AM	1	4	0	0	0	0	0	0	0	0	0	0	5
8:00 AM	0	3	0	0	0	0	1	0	0	0	0	0	4
8:05 AM	0	3	0	0	0	0	1	0	0	0	0	0	4
8:10 AM	1	2	0	0	0	0	0	0	0	0	0	0	3
8:15 AM	1	4	0	0	0	0	0	0	0	0	0	0	5
8:20 AM	0	1	0	0	0	0	0	0	0	0	0	0	1
8:25 AM	1	3	0	0	0	0	0	0	0	0	0	1	5
8:30 AM	0	4	0	0	0	0	0	0	0	0	0	0	4
8:35 AM	0	3	0	0	0	0	0	1	0	0	0	0	4
8:40 AM	0	3	0	0	0	0	0	0	0	0	0	0	3
8:45 AM	0	4	0	0	0	0	0	0	0	0	0	0	4
8:50 AM	0	2	0	0	0	0	0	0	0	0	0	0	2
8:55 AM	0	1	0	0	0	0	0	0	0	0	0	0	1

PEDESTRIAN VOLUMES

Time Period	North	South	East	West	Total
7:00 AM	3	4	2	3	12
7:05 AM	4	5	4	4	17
7:10 AM	1	3	3	3	10
7:15 AM	2	4	1	4	11
7:20 AM	6	5	5	5	21
7:25 AM	7	2	1	9	19
7:30 AM	8	6	8	5	27
7:35 AM	3	9	6	4	22
7:40 AM	9	15	15	11	50
7:45 AM	5	13	9	12	39
7:50 AM	7	11	10	13	41
7:55 AM	6	13	14	9	42
8:00 AM	10	7	13	5	35
8:05 AM	8	14	13	3	38
8:10 AM	5	14	7	7	33
8:15 AM	7	10	3	3	23
8:20 AM	2	16	6	9	33
8:25 AM	5	14	12	15	46
8:30 AM	7	15	6	9	37
8:35 AM	7	12	9	14	42
8:40 AM	18	25	30	11	84
8:45 AM	10	37	19	11	77
8:50 AM	19	19	30	23	91
8:55 AM	13	34	23	14	84

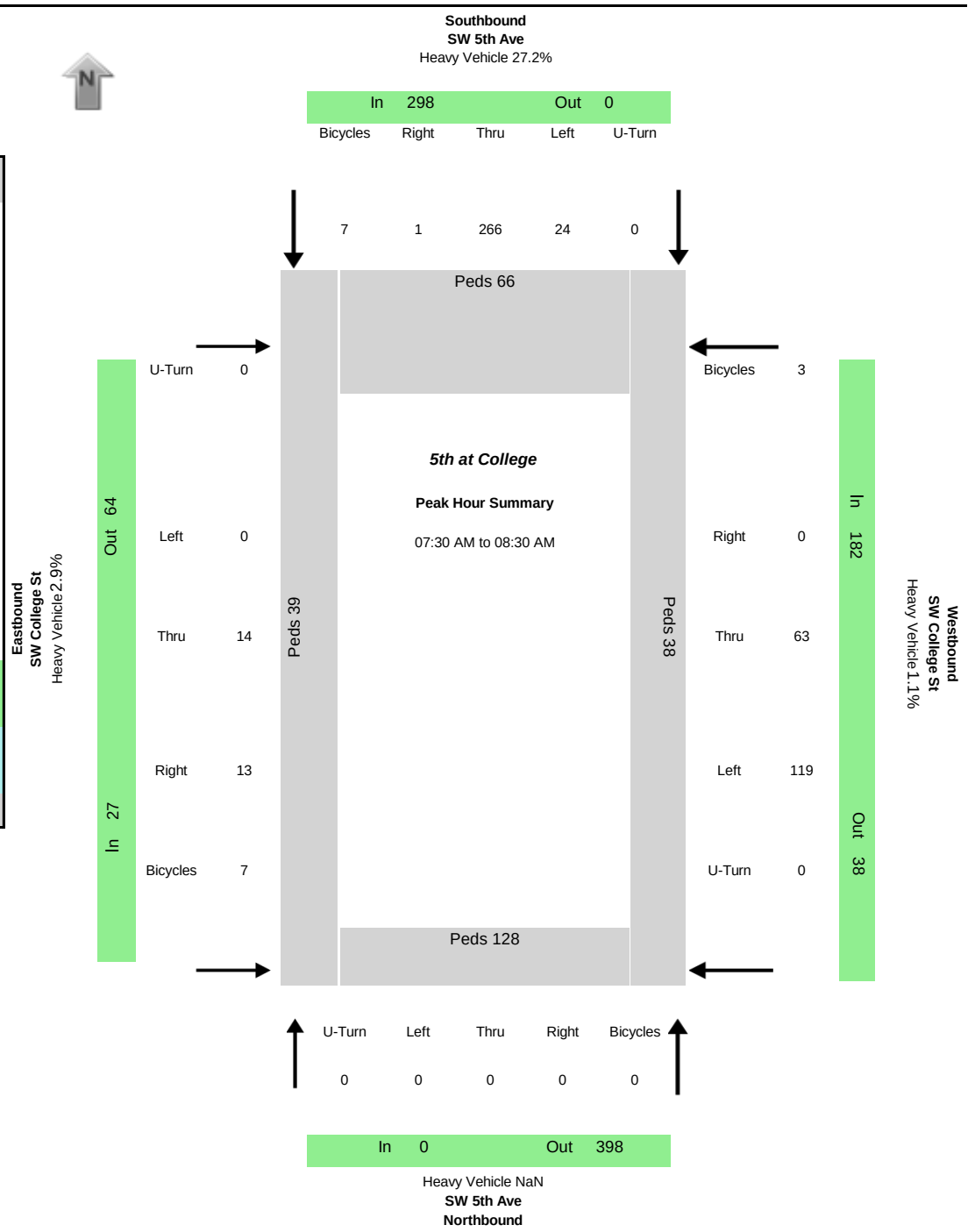
BICYCLE VOLUMES

Time Period	NB Left	NB Thru	NB Right	SB Left	SB Thru	SB Right	EB Left	EB Thru	EB Right	WB Left	WB Thru	WB Right	Total
7:00 AM	0	1	0	0	0	0	0	0	0	0	1	0	2
7:05 AM	0	2	0	0	0	0	0	0	0	0	1	0	3
7:10 AM	0	2	0	0	0	0	0	0	0	0	0	0	2
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:20 AM	0	2	0	0	0	0	0	0	0	0	0	0	2
7:25 AM	0	1	0	0	0	0	0	0	0	0	1	0	2
7:30 AM	0	2	1	0	0	0	0	0	0	0	0	0	3
7:35 AM	0	3	1	0	0	0	0	0	0	0	0	0	4
7:40 AM	0	4	0	0	0	0	0	0	0	0	0	0	4
7:45 AM	0	7	1	0	0	0	0	1	0	0	0	1	10
7:50 AM	0	1	0	0	0	0	0	1	0	0	0	0	2
7:55 AM	0	4	1	0	0	0	0	1	0	0	0	0	6
8:00 AM	0	3	0	0	0	0	0	0	0	0	0	0	3
8:05 AM	1	2	0	0	0	0	0	0	0	0	0	0	3
8:10 AM	0	2	0	0	0	0	0	1	0	0	0	0	3
8:15 AM	0	3	1	0	0	0	0	0	0	0	1	0	5
8:20 AM	0	3	0	0	0	0	0	1	0	0	0	0	4
8:25 AM	0	4	0	0	0	0	0	1	0	0	1	0	6
8:30 AM	0	2	0	0	0	0	0	0	0	0	0	0	2
8:35 AM	0	2	1	0	0	0	0	0	0	0	0	0	3
8:40 AM	0	4	0	0	0	0	0	0	0	0	2	0	6
8:45 AM	0	2	0	0	0	0	0	0	0	0	0	0	2

8:50 AM	0	3	1	0	0	0	0	1	0	0	0	0	5
8:55 AM	0	2	0	0	0	0	0	0	0	0	2	0	4

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW 5th Ave*
E/W street	*SW College St*
City, State	Portland OR
Site Notes	
Location	45.509463 - -122.682655
Start Date	Thursday, March 16, 2017
Start Time	07:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:30:00 AM
Peak 15 Min Start	07:40:00 AM
PHF (15-Min Int)	0.88



Peak-Hour Volumes (PHV)

Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
0	0	0	0	24	266	1	0	0	14	13	0	119	63	0	0	0	291	27	182	398	0	64	38
Percent Heavy Vehicles																							
0.0%	0.0%	0.0%	0.0%	4.2%	30.1%	0.0%	0.0%	0.0%	7.1%	0.0%	0.0%	0.8%	1.6%	0.0%	0.0%	#DIV/0!	27.8%	3.7%	1.1%	20.4%	0.0%	1.6%	5.3%

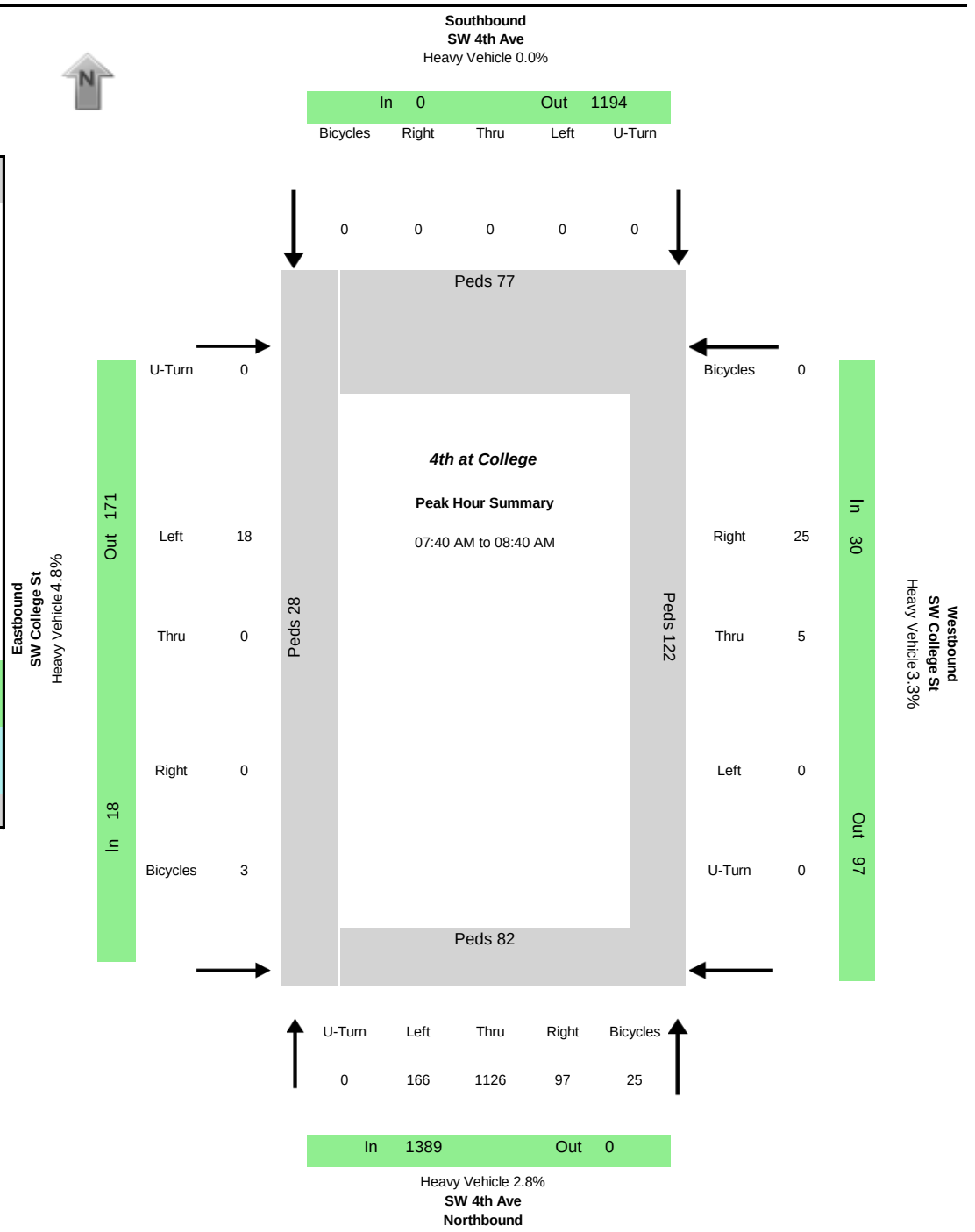
PHV- Bicycles																	PHV - Pedestrians				
Northbound				Southbound				Eastbound				Westbound					in Crosswalk				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	NB	SB	EB	WB	Sum
0		0	0	0	7	0			6	1	0	0	3		0	17	128	66	39	38	271

All Vehicle Volumes

	Northbound				Southbound				Eastbound				Westbound					
	SW 5th Ave				SW 5th Ave				SW College St				SW College St				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
07:00:00 AM	0		0	0	2	8	0			0	0	0	7	2		0		
07:05:00 AM	0		0	0	0	7	0			2	2	0	6	4		0		
07:10:00 AM	0		0	0	3	17	0			0	0	0	11	3		0	74	
07:15:00 AM	0		0	0	0	8	0			0	1	0	8	3		0	75	
07:20:00 AM	0		0	0	0	17	1			1	0	0	4	1		0	78	
07:25:00 AM	0		0	0	2	17	0			0	0	0	4	2		0	69	
07:30:00 AM	0		0	0	0	20	0			1	1	0	9	4		0	84	
07:35:00 AM	0		0	0	1	21	0			4	0	0	10	4		0	100	
07:40:00 AM	0		0	0	4	33	0			0	1	0	16	8		0	137	
07:45:00 AM	0		0	0	2	20	1			0	2	0	5	7		0	139	
07:50:00 AM	0		0	0	3	25	0			1	1	0	8	5		0	142	
07:55:00 AM	0		0	0	1	30	0			1	2	0	9	6		0	129	409
08:00:00 AM	0		0	0	2	20	0			1	0	0	13	7		0	135	433
08:05:00 AM	0		0	0	3	22	0			2	0	0	15	4		0	138	458
08:10:00 AM	0		0	0	2	24	0			0	1	0	6	2		0	124	459
08:15:00 AM	0		0	0	1	14	0			3	1	0	10	5		0	115	473
08:20:00 AM	0		0	0	2	24	0			1	3	0	12	5		0	116	496
08:25:00 AM	0		0	0	3	13	0			0	1	0	6	6		0	110	500
08:30:00 AM	0		0	0	1	12	0			0	1	0	8	5		0	103	492
08:35:00 AM	0		0	0	0	20	0			1	0	0	6	8		0	91	487
08:40:00 AM	0		0	0	0	9	0			6	1	0	8	7		0	93	456
08:45:00 AM	0		0	0	3	28	0			1	1	0	9	7		0	115	468
08:50:00 AM	0		0	0	3	25	1			0	0	0	7	3		0	119	464
08:55:00 AM	0		0	0	2	11	1			1	3	0	15	6		0	127	454

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW 4th Ave*
E/W street	*SW College St*
City, State	Portland OR
Site Notes	
Location	45.509191 - -122.681582
Start Date	Thursday, March 16, 2017
Start Time	07:00:00 AM
Weather	
Study ID #	107619
Peak Hour Start	07:40:00 AM
Peak 15 Min Start	07:40:00 AM
PHF (15-Min Int)	0.88



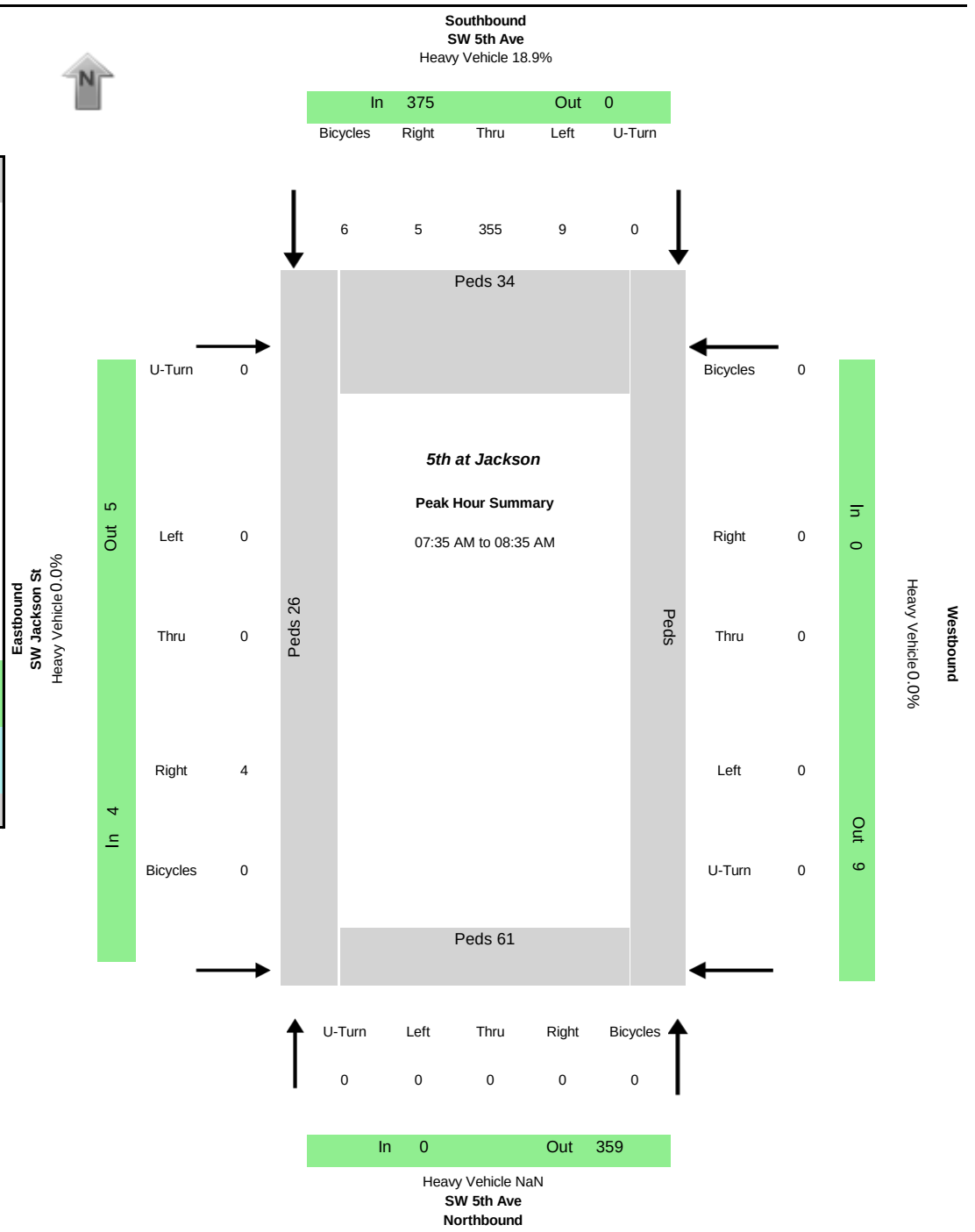
Peak-Hour Volumes (PHV)																							
Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
166	1126	97	0	0	0	0	0	18	0	0	0	0	5	25	0	1389	0	18	30	0	1169	171	97
Percent Heavy Vehicles																							
1.8%	3.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	5.6%	0.0%	0.0%	0.0%	0.0%	0.0%	4.0%	0.0%	2.8%	0.0%	5.6%	3.3%	#DIV/0!	3.3%	1.8%	0.0%

PHV- Bicycles																	PHV - Pedestrians				
Northbound				Southbound				Eastbound				Westbound					in Crosswalk				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**	NB	SB	EB	WB	**Sum**
3	22	0						3	0		0		0	0	0	28	82	77	28	122	309

All Vehicle Volumes																		
	Northbound				Southbound				Eastbound				Westbound					
	SW 4th Ave								SW College St				SW College St				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
07:00:00 AM	9	54	7						0	0		0		0	0	0		
07:05:00 AM	8	69	2						0	0		0		0	0	0		
07:10:00 AM	12	59	1						2	0		0		0	0	0	223	
07:15:00 AM	9	61	4						0	0		0		1	0	0	228	
07:20:00 AM	5	73	3						1	0		0		0	2	0	233	
07:25:00 AM	7	106	12						0	0		0		0	0	0	284	
07:30:00 AM	12	71	5						1	0		0		0	0	0	298	
07:35:00 AM	8	101	4						0	0		0		0	0	0	327	
07:40:00 AM	21	114	8						3	0		0		1	3	0	352	
07:45:00 AM	12	123	9						1	0		0		0	3	0	411	
07:50:00 AM	12	91	8						1	0		0		0	0	0	410	
07:55:00 AM	16	96	6						2	0		0		0	0	0	380	1239
08:00:00 AM	16	96	10						0	0		0		0	1	0	355	1292
08:05:00 AM	15	75	9						3	0		0		2	3	0	350	1320
08:10:00 AM	5	93	9						1	0		0		1	2	0	341	1357
08:15:00 AM	16	88	6						1	0		0		0	4	0	333	1397
08:20:00 AM	15	89	7						3	0		0		1	0	0	341	1428
08:25:00 AM	10	111	9						0	0		0		0	0	0	360	1433
08:30:00 AM	11	54	5						2	0		0		0	6	0	323	1422
08:35:00 AM	17	96	11						1	0		0		0	3	0	336	1437
08:40:00 AM	10	72	4						5	0		0		0	2	0	299	1380
08:45:00 AM	14	84	8						6	0		0		0	6	0	339	1350
08:50:00 AM	16	77	4						2	0		0		1	3	0	314	1341
08:55:00 AM	20	69	4						4	0		0		1	1	0	320	1320

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW 5th Ave*
E/W street	*SW Jackson St*
City, State	Portland OR
Site Notes	
Location	45.508727 - -122.683184
Start Date	Thursday, March 16, 2017
Start Time	07:00:00 AM
Weather	
Study ID #	107622
Peak Hour Start	07:35:00 AM
Peak 15 Min Start	07:55:00 AM
PHF (15-Min Int)	0.87



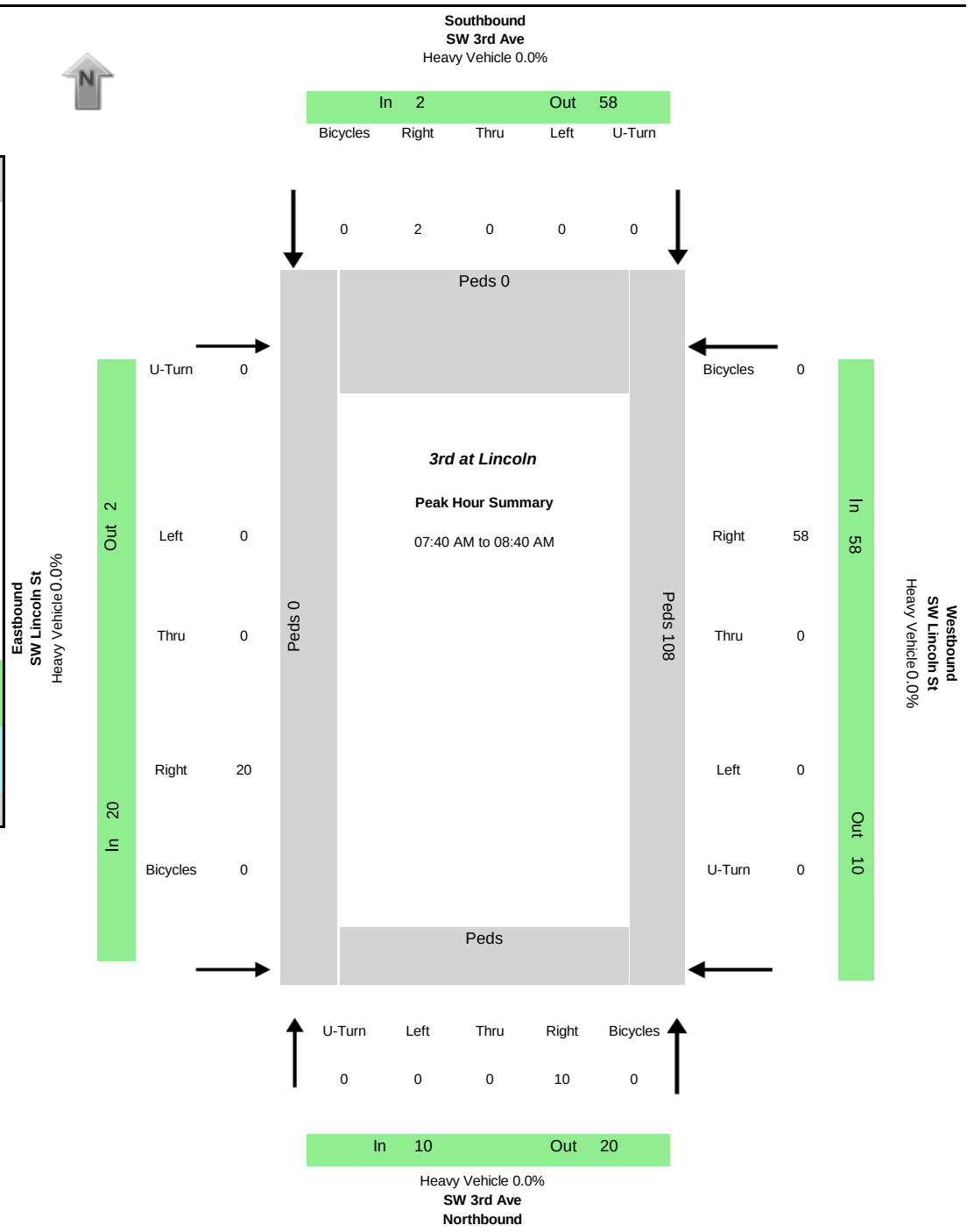
Peak-Hour Volumes (PHV)																							
Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
0	0	0	0	9	355	5	0	0	0	4	0	0	0	0	0	0	369	4	0	359	0	5	9
Percent Heavy Vehicles																							
0.0%	0.0%	0.0%	0.0%	0.0%	20.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	#DIV/0!	19.2%	0.0%	0.0%	19.8%	0.0%	0.0%	0.0%

PHV- Bicycles																	PHV - Pedestrians				
Northbound				Southbound				Eastbound				Westbound					in Crosswalk				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	NB	SB	EB	WB	Sum
0			0	0	6	0				0	0					6	61	34	26		121

All Vehicle Volumes																		
	Northbound				Southbound				Eastbound				Westbound					
	SW 5th Ave				SW 5th Ave				SW Jackson St								15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
07:00:00 AM	0			0	0	16	0				0	0						
07:05:00 AM	0			0	0	10	0				0	0						
07:10:00 AM	0			0	0	21	1				0	0					48	
07:15:00 AM	0			0	0	21	0				0	0					53	
07:20:00 AM	0			0	0	19	0				0	0					62	
07:25:00 AM	0			0	0	17	0				0	0					57	
07:30:00 AM	0			0	0	26	0				0	0					62	
07:35:00 AM	0			0	1	28	0				0	0					72	
07:40:00 AM	0			0	0	40	0				0	0					95	
07:45:00 AM	0			0	0	31	0				0	0					100	
07:50:00 AM	0			0	0	30	1				1	0					103	
07:55:00 AM	0			0	1	34	0				0	0					98	298
08:00:00 AM	0			0	1	30	1				1	0					100	315
08:05:00 AM	0			0	2	34	2				1	0					107	344
08:10:00 AM	0			0	1	24	0				0	0					97	347
08:15:00 AM	0			0	0	27	1				1	0					93	355
08:20:00 AM	0			0	0	34	0				0	0					88	370
08:25:00 AM	0			0	3	16	0				0	0					82	372
08:30:00 AM	0			0	0	27	0				0	0					80	373
08:35:00 AM	0			0	0	21	0				1	0					68	366
08:40:00 AM	0			0	0	16	0				1	0					66	343
08:45:00 AM	0			0	1	40	0				0	0					80	353
08:50:00 AM	0			0	1	23	0				0	0					82	345
08:55:00 AM	0			0	1	27	0				0	0					93	338

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW 3rd Ave*
E/W street	*SW Lincoln St*
City, State	Portland OR
Site Notes	
Location	45.507931 - -122.680965
Start Date	Thursday, March 16, 2017
Start Time	07:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:40:00 AM
Peak 15 Min Start	07:40:00 AM
PHF (15-Min Int)	0.68



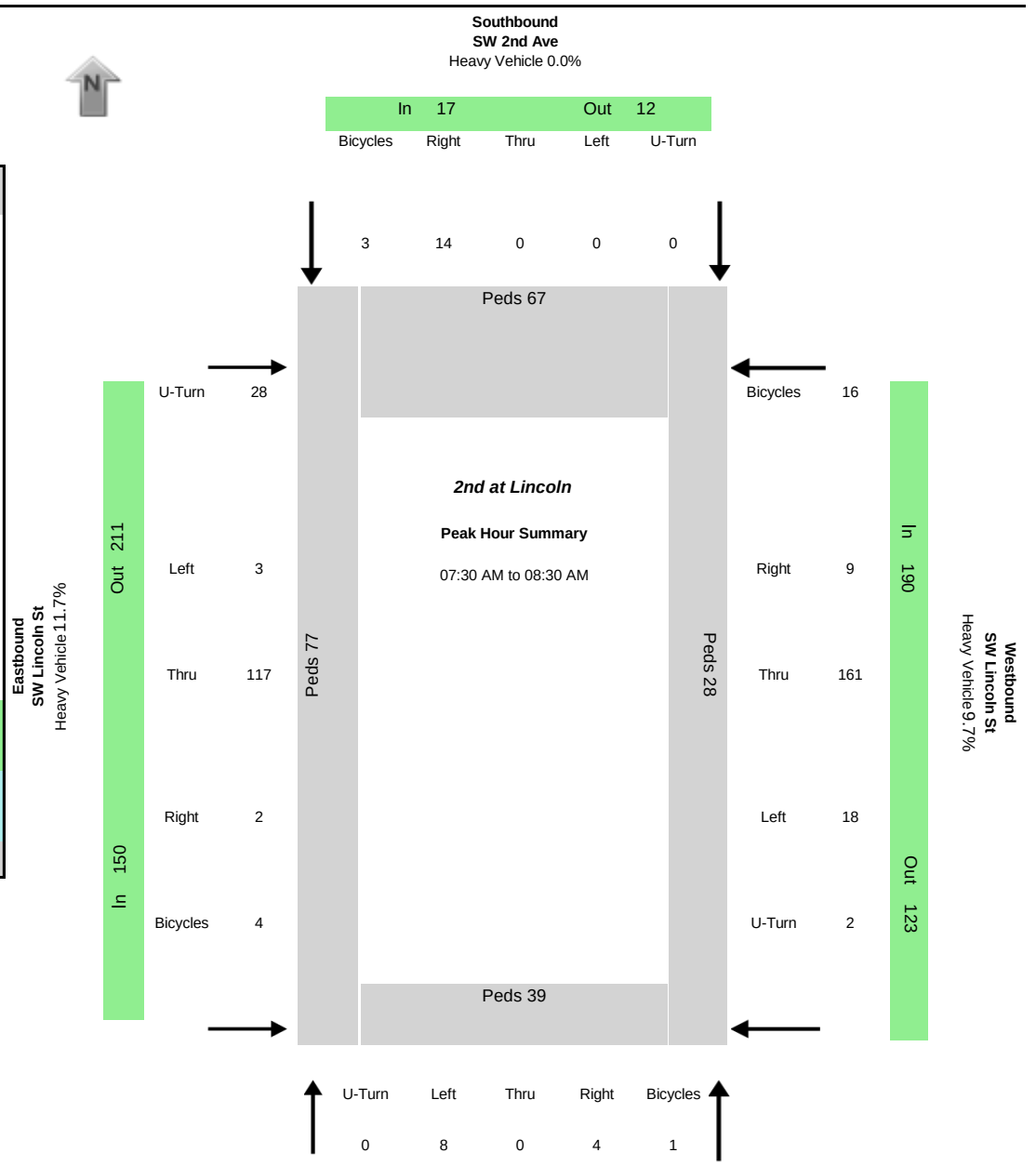
Peak-Hour Volumes (PHV)																							
Northbound				**Southbound**				**Eastbound**				**Westbound**				**Entering**				**Leaving**			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
0	0	10	0	0	0	2	0	0	0	20	0	0	0	58	0	10	2	20	58	20	58	2	10
Percent Heavy Vehicles																							
0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

PHV- Bicycles																	PHV - Pedestrians				
Northbound				**Southbound**				**Eastbound**				**Westbound**					in Crosswalk				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**	NB	SB	EB	WB	**Sum**
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	108	108

All Vehicle Volumes																		
	Northbound				**Southbound**				**Eastbound**				**Westbound**					
	SW 3rd Ave				SW 3rd Ave				SW Lincoln St				SW Lincoln St				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
07:00:00 AM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	3	0		
07:05:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0		
07:10:00 AM	0	0	1	0	0	0	0	0	0	0	2	0	0	0	3	0	14	
07:15:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	16	
07:20:00 AM	0	0	0	0	0	0	1	0	0	0	2	0	0	0	2	0	17	
07:25:00 AM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	5	0	17	
07:30:00 AM	0	0	2	0	0	0	0	0	0	0	0	0	0	0	1	0	14	
07:35:00 AM	0	0	1	0	0	0	0	0	0	0	1	0	0	0	4	0	15	
07:40:00 AM	0	0	2	0	0	0	0	0	0	0	4	0	0	0	11	0	26	
07:45:00 AM	0	0	0	0	0	0	0	0	0	0	2	0	0	0	4	0	29	
07:50:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	33	
07:55:00 AM	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	19	76
08:00:00 AM	0	0	2	0	0	0	0	0	0	0	0	0	0	0	5	0	20	79
08:05:00 AM	0	0	0	0	0	0	0	0	0	0	2	0	0	0	4	0	16	81
08:10:00 AM	0	0	0	0	0	0	0	0	0	0	2	0	0	0	5	0	20	82
08:15:00 AM	0	0	2	0	0	0	0	0	0	0	0	0	0	0	3	0	18	81
08:20:00 AM	0	0	0	0	0	0	1	0	0	0	2	0	0	0	2	0	17	81
08:25:00 AM	0	0	2	0	0	0	0	0	0	0	2	0	0	0	4	0	18	83
08:30:00 AM	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	0	17	84
08:35:00 AM	0	0	1	0	0	0	1	0	0	0	3	0	0	0	7	0	24	90
08:40:00 AM	0	0	1	0	0	0	1	0	0	0	1	0	0	0	6	0	25	82
08:45:00 AM	0	0	1	0	0	0	0	0	0	0	7	0	0	0	1	0	30	85
08:50:00 AM	0	0	1	0	0	0	0	0	0	0	3	0	0	0	1	0	23	80
08:55:00 AM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0	17	80

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW 2nd Ave*
E/W street	*SW Lincoln St*
City, State	Portland OR
Site Notes	
Location	45.507818 - -122.679911
Start Date	Wednesday, March 22, 2017
Start Time	07:00:00 AM
Weather	
Study ID #	107625
Peak Hour Start	07:30:00 AM
Peak 15 Min Start	07:40:00 AM
PHF (15-Min Int)	0.75



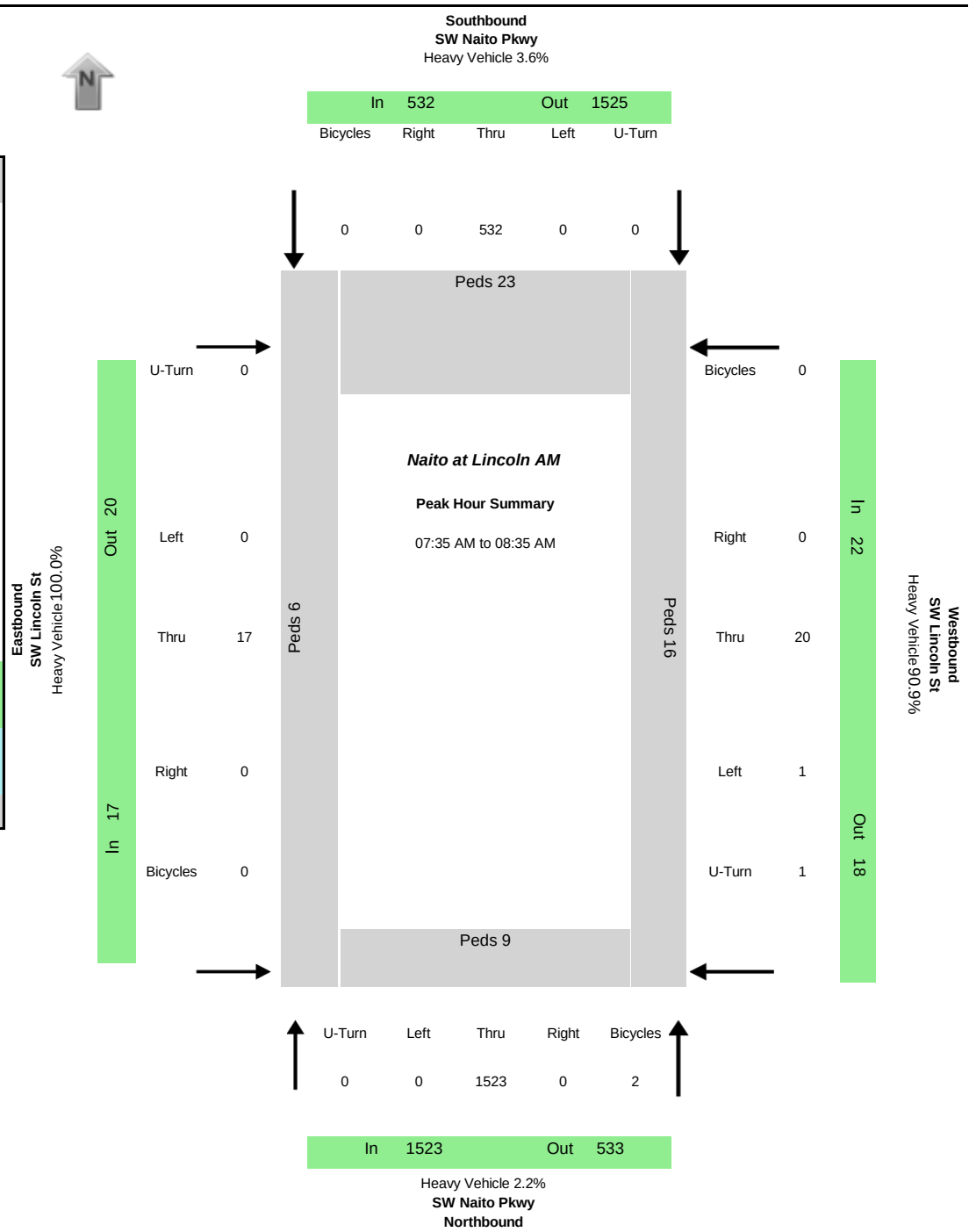
Peak-Hour Volumes (PHV)																							
Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
8	0	4	0	0	0	14	0	3	117	2	28	18	161	9	2	12	14	150	190	20	12	211	123
Percent Heavy Vehicles																							
0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	15.4%	0.0%	0.0%	0.0%	12.4%	0.0%	0.0%	0.0%	0.0%	12.0%	10.5%	0.0%	0.0%	9.5%	14.6%

PHV- Bicycles																	PHV - Pedestrians				
Northbound				Southbound				Eastbound				Westbound					in Crosswalk				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**	NB	SB	EB	WB	**Sum**
1	0	0	0	0	0	3	0	0	3	1	0	0	16	0	0	24	39	67	77	28	211

All Vehicle Volumes																		
	Northbound				Southbound				Eastbound				Westbound					
	SW 2nd Ave				SW 2nd Ave				SW Lincoln St				SW Lincoln St				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
07:00:00 AM	0	0	1	0	0	0	1	0	0	1	0	3	0	10	1	0		
07:05:00 AM	0	0	1	0	0	0	2	0	1	5	0	1	0	10	1	0		
07:10:00 AM	0	0	1	0	1	0	1	0	0	8	1	0	0	15	1	0	66	
07:15:00 AM	0	0	1	0	1	0	0	0	0	5	0	1	0	9	3	0	69	
07:20:00 AM	0	0	0	0	0	0	2	0	0	4	0	3	0	13	2	0	72	
07:25:00 AM	0	0	0	0	0	0	1	0	0	7	0	1	1	16	2	0	72	
07:30:00 AM	1	0	1	0	0	0	0	0	1	11	0	2	2	13	0	0	83	
07:35:00 AM	2	0	0	0	0	0	1	0	1	4	0	3	3	8	0	0	81	
07:40:00 AM	1	0	0	0	0	0	5	0	0	11	1	1	0	24	2	0	98	
07:45:00 AM	1	0	1	0	0	0	0	0	0	14	0	1	2	12	0	0	98	
07:50:00 AM	1	0	0	0	0	0	1	0	0	18	0	3	1	19	2	1	122	
07:55:00 AM	0	0	0	0	0	0	1	0	0	10	0	3	0	12	1	1	105	341
08:00:00 AM	0	0	0	0	0	0	0	0	0	5	0	2	5	16	2	0	104	354
08:05:00 AM	0	0	0	0	0	0	1	0	0	8	0	3	1	16	1	0	88	363
08:10:00 AM	0	0	1	0	0	0	0	0	0	11	1	4	1	9	0	0	87	362
08:15:00 AM	0	0	0	0	0	0	2	0	1	7	0	1	2	8	0	0	78	363
08:20:00 AM	0	0	1	0	0	0	1	0	0	7	0	3	1	10	0	0	71	362
08:25:00 AM	2	0	0	0	0	0	2	0	0	11	0	2	0	14	1	0	76	366
08:30:00 AM	2	0	1	0	1	0	2	0	1	6	1	1	1	6	0	0	77	357
08:35:00 AM	1	0	2	0	0	0	1	0	1	4	0	0	3	11	0	0	77	358
08:40:00 AM	1	0	0	0	1	0	2	0	0	8	0	1	1	10	1	0	70	338
08:45:00 AM	0	0	0	0	1	0	1	0	0	9	0	1	1	9	0	0	70	329
08:50:00 AM	2	0	0	0	0	0	1	0	0	8	1	4	0	10	1	0	74	310
08:55:00 AM	1	0	0	0	0	0	0	0	0	9	2	3	1	14	1	0	80	313

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW Naito Pkwy*
E/W street	*SW Lincoln St*
City, State	Portland OR
Site Notes	
Location	45.507943 - -122.677429
Start Date	Thursday, March 23, 2017
Start Time	07:00:00 AM
Weather	
Study ID #	107627
Peak Hour Start	07:35:00 AM
Peak 15 Min Start	07:50:00 AM
PHF (15-Min Int)	0.94



Peak-Hour Volumes (PHV)																							
Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
0	1523	0	0	0	532	0	0	0	17	0	0	1	20	0	1	1523	532	17	22	533	1523	20	18
Percent Heavy Vehicles																							
0.0%	2.2%	0.0%	0.0%	0.0%	3.6%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	2.2%	3.6%	100.0%	90.9%	3.6%	2.2%	100.0%	94.4%

PHV- Bicycles																	PHV - Pedestrians				
Northbound				Southbound				Eastbound				Westbound					in Crosswalk				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**	NB	SB	EB	WB	**Sum**
0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	9	23	6	16	54

All Vehicle Volumes

	Northbound				Southbound				Eastbound				Westbound					
	SW Naito Pkwy				SW Naito Pkwy				SW Lincoln St				SW Lincoln St				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
07:00:00 AM	0	89	0	0	0	17	0	0	0	1	0	0	0	0	0	0		
07:05:00 AM	0	109	0	0	0	23	0	0	0	0	0	0	0	4	0	0		
07:10:00 AM	0	118	0	0	0	24	0	0	0	1	0	0	0	0	0	0	386	
07:15:00 AM	0	128	0	0	0	33	0	1	0	2	0	0	0	0	0	0	443	
07:20:00 AM	0	119	0	0	0	33	0	0	0	0	0	0	0	3	0	0	462	
07:25:00 AM	0	126	0	0	0	27	0	0	0	2	0	0	0	2	0	0	476	
07:30:00 AM	0	127	0	0	0	27	0	0	0	0	0	0	0	0	0	0	466	
07:35:00 AM	0	140	0	0	0	41	0	0	0	2	0	0	0	2	0	0	496	
07:40:00 AM	0	103	0	0	0	41	0	0	0	2	0	0	0	2	0	0	487	
07:45:00 AM	0	139	0	0	0	30	0	0	0	1	0	0	0	2	0	0	505	
07:50:00 AM	0	148	0	0	0	48	0	0	0	1	0	0	0	1	0	0	518	
07:55:00 AM	0	127	0	0	0	52	0	0	0	2	0	0	0	2	0	0	553	1902
08:00:00 AM	0	125	0	0	0	46	0	0	0	1	0	0	0	2	0	1	556	1970
08:05:00 AM	0	125	0	0	0	31	0	0	0	1	0	0	0	2	0	0	517	1993
08:10:00 AM	0	116	0	0	0	53	0	0	0	0	0	0	0	2	0	0	505	2021
08:15:00 AM	0	130	0	0	0	47	0	0	0	3	0	0	0	0	0	0	510	2037
08:20:00 AM	0	133	0	0	0	48	0	0	0	0	0	0	0	3	0	0	535	2066
08:25:00 AM	0	117	0	0	0	53	0	0	0	2	0	0	1	0	0	0	537	2082
08:30:00 AM	0	120	0	0	0	42	0	0	0	2	0	0	0	2	0	0	523	2094
08:35:00 AM	0	109	0	0	0	45	0	0	0	0	0	0	0	2	0	0	495	2065
08:40:00 AM	0	121	0	0	0	39	0	0	0	1	0	0	0	1	0	0	484	2079
08:45:00 AM	0	115	0	0	0	47	0	0	0	1	0	0	0	1	0	0	482	2071
08:50:00 AM	0	108	0	0	0	47	0	0	0	1	0	0	0	2	0	0	484	2031
08:55:00 AM	0	114	0	0	0	34	0	0	0	0	0	0	0	0	0	0	470	1996

Study Name	Naito at Porter
Start Date	3/16/2017
Start Time	7:00 AM
Site Code	39

Location 45.501524 -122.678

Lights

	Northbound SW Naito Pkwy						Southbound SW Naito Pkwy						Westbound Porter						Northeastbound To RI Bridge						Northwestbound Frontage						Southwestbound Frontage					
Start Time	Hard Left	Thru	Bear Right	Right	Hard Right	U-Turn	Hard Left	Left	Bear Left	Thru	Bear Right	U-Turn	Hard Left	Left	Bear Left	Right	Hard Right	U-Turn	Bear Left	Thru	Bear Right	Right	Hard Right	U-Turn	Hard Left	Left	Bear Right	Right	Hard Right	U-Turn	Hard Left	Left	Bear Left	Thru	Hard Right	U-Turn
7:00 AM	0	47	0	0	0	0	0	0	0	6	59	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:05 AM	0	52	1	0	0	0	0	0	0	9	62	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:10 AM	0	76	0	0	0	0	0	0	0	13	64	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	84	1	2	0	0	0	0	0	10	68	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	4	0	0	1	0	0	0	0	0
7:20 AM	0	79	6	2	0	0	0	0	0	11	67	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:25 AM	0	48	1	1	0	0	0	0	0	11	59	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	60	2	0	0	0	0	0	0	15	70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:35 AM	0	60	9	1	0	0	0	0	0	16	65	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
7:40 AM	0	59	3	1	0	0	0	0	0	14	76	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0
7:45 AM	0	48	6	2	0	0	0	0	0	21	77	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:50 AM	0	50	8	7	0	0	0	0	0	13	74	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:55 AM	0	57	10	4	0	0	0	0	0	21	79	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM	0	57	13	11	0	0	0	0	0	6	78	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0
8:05 AM	0	39	4	4	0	0	0	0	0	16	96	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
8:10 AM	0	65	1	1	0	0	0	0	0	16	59	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	68	2	1	0	0	0	0	0	11	87	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:20 AM	0	64	8	0	0	0	0	0	0	13	74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:25 AM	0	58	0	4	0	0	0	0	0	11	61	0	1	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
8:30 AM	0	58	3	1	0	0	0	0	0	15	76	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:35 AM	0	70	2	3	0	0	0	0	0	15	73	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:40 AM	0	59	0	2	0	0	0	0	0	29	83	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
8:45 AM	0	47	0	3	0	0	0	0	0	16	88	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
8:50 AM	0	52	0	2	1	0	0	0	0	20	73	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:55 AM	0	54	2	3	0	0	0	0	0	17	76	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0

Other Vehicles

	Northbound SW Naito Pkwy						Southbound SW Naito Pkwy						Westbound Porter						Northeastbound To RI Bridge						Northwestbound Frontage						Southwestbound Frontage					
Start Time	Hard Left	Thru	Bear Right	Right	Hard Right	U-Turn	Hard Left	Left	Bear Left	Thru	Bear Right	U-Turn	Hard Left	Left	Bear Left	Right	Hard Right	U-Turn	Bear Left	Thru	Bear Right	Right	Hard Right	U-Turn	Hard Left	Left	Bear Right	Right	Hard Right	U-Turn	Hard Left	Left	Bear Left	Thru	Hard Right	U-Turn
7:00 AM	0	1	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:05 AM	0	3	0	0	0	0	0	0	0	1	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:10 AM	0	1	0	1	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	1	0	0	0	0	0	0	0	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:20 AM	0	2	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:25 AM	0	1	0	0	0	0	0	0	0	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	2	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:35 AM	0	2	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:40 AM	0	2	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	3	0	0	0	0	0	0	0	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:50 AM	0	1	0	0	0	0	0	0	0	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:55 AM	0	1	0	0	0	0	0	0	0	1	4	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	0	0	1	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:05 AM	0	1	0	0	0	0	0	0	0	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:10 AM	0	1	0	0	0	0	0	0	0	1	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	3	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:20 AM	0	2	0	0	0	0	0	0	0	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:25 AM	0	0	0	0	0	0	0	0	0	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	3	0	0	0	0	0	0	0	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:35 AM	0	1	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:40 AM	0	3	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	2	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:50 AM	0	2	0	0	0	0	0	0	0	1	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:55 AM	0	3	0	0	0	0	0	0	0	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Bicycles on Road

	Northbound SW Naito Pkwy						Southbound SW Naito Pkwy						Westbound Porter						Northeastbound To RI Bridge						Northwestbound Frontage						Southwestbound Frontage					
Start Time	Hard Left	Thru	Bear Right	Right	Hard Right	U-Turn	Hard Left	Left	Bear Left	Thru	Bear Right	U-Turn	Hard Left	Left	Bear Left	Right	Hard Right	U-Turn	Bear Left	Thru	Bear Right	Right	Hard Right	U-Turn	Hard Left	Left	Bear Right	Right	Hard Right	U-Turn	Hard Left	Left	Bear Left	Thru	Hard Right	U-Turn
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:05 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:10 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:20 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:25 AM	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:35 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:40 AM	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:50 AM	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:55 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:05 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:10 AM	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:20 AM	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:25 AM	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:35 AM	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:40 AM	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:50 AM	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:55 AM	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

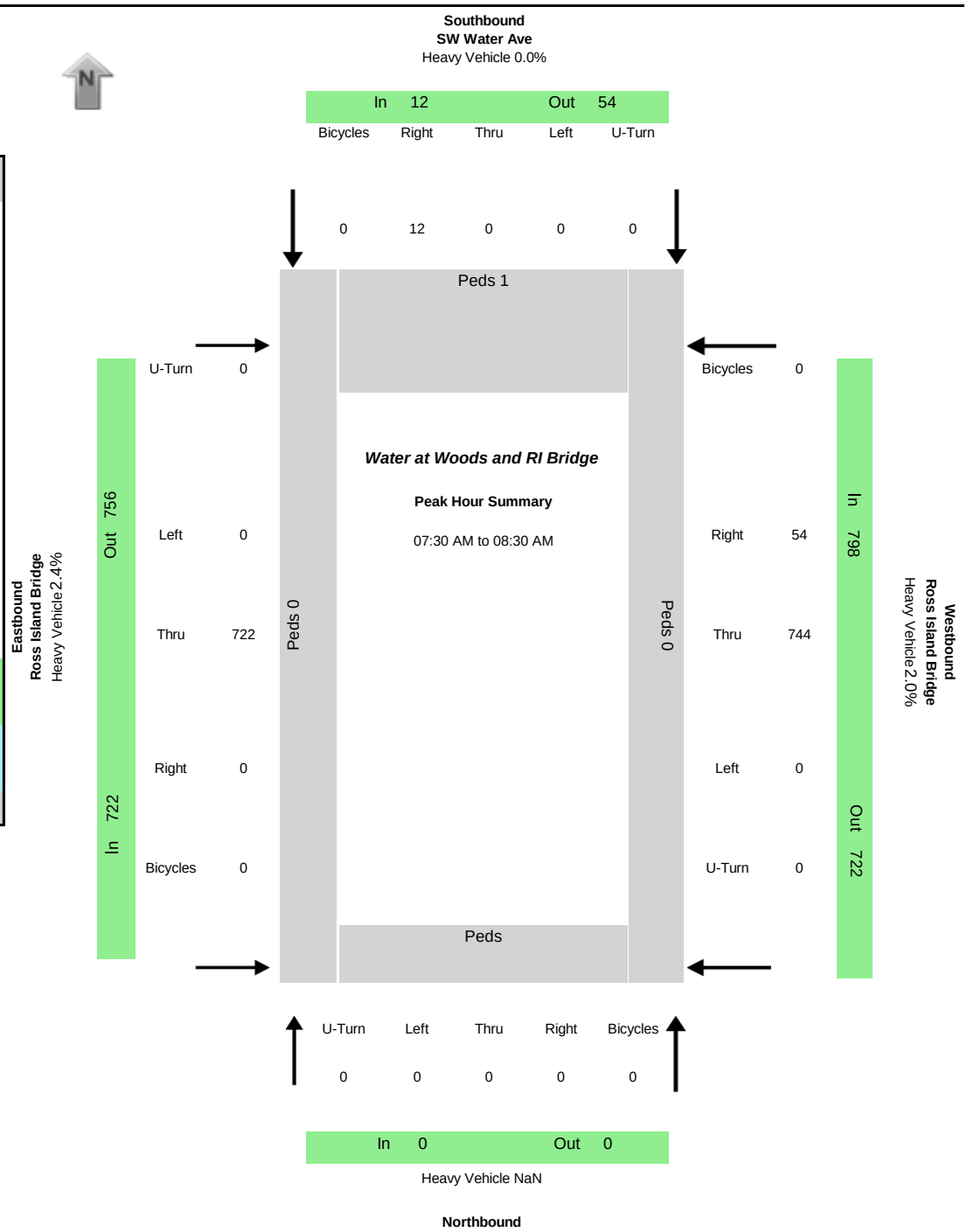
All Pedestrians

	Northbound SW Naito Pkwy		Southbound SW Naito Pkwy		Westbound Porter		Northeastbound To RI Bridge		Northwestbound Frontage		Southwestbound Frontage	
Start Time	Peds CCW	Peds CW	Peds CCW	Peds CW	Peds CCW	Peds CW	Peds CCW	Peds CW	Peds CCW	Peds CW	Peds CCW	Peds CW
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
7:05 AM	0	0	0	0	0	0	0	0	0	0	0	0
7:10 AM	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0
7:20 AM	0	0	0	0	0	0	0	0	0	0	0	0
7:25 AM	0	0	0	0	0	0	0	0	1	0	0	0
7:30 AM	0	0	0	0	1	0	0	0	1	0	1	0
7:35 AM	0	0	0	0	0	0	0	0	0	0	0	0
7:40 AM	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0
7:50 AM	0	0	0	0	0	0	0	0	0	0	0	0
7:55 AM	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0

8:05 AM	0	0	0	0	0	1	0	0	2	0	0	0
8:10 AM	0	0	0	0	0	0	0	0	0	0	1	0
8:15 AM	0	0	0	0	0	1	0	0	0	1	0	0
8:20 AM	0	0	0	0	0	0	0	0	0	0	0	0
8:25 AM	0	0	0	0	1	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	1	0	0	0	0	1	0
8:35 AM	0	0	0	0	1	0	0	0	0	0	0	0
8:40 AM	0	0	0	0	1	0	0	0	0	0	0	0
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0
8:50 AM	0	0	0	0	0	0	0	0	0	0	0	0
8:55 AM	0	0	0	0	1	0	0	0	0	0	0	0

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW Water Ave*
E/W street	*Ross Island Bridge*
City, State	Portland OR
Site Notes	
Location	45.500636 - -122.676335
Start Date	Tuesday, March 14, 2017
Start Time	07:00:00 AM
Weather	
Study ID #	107543
Peak Hour Start	07:30:00 AM
Peak 15 Min Start	07:45:00 AM
PHF (15-Min Int)	0.90



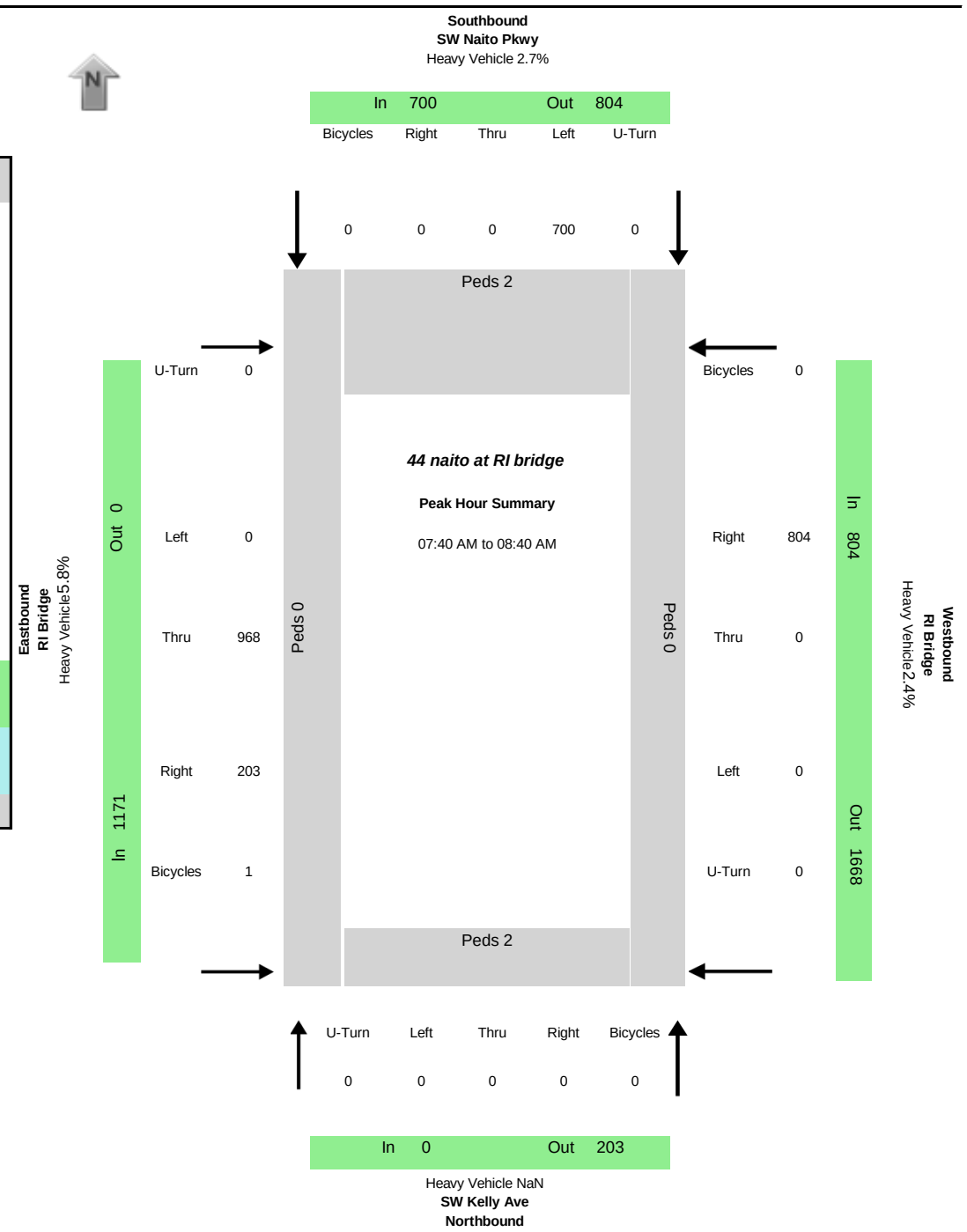
Peak-Hour Volumes (PHV)																							
Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
0	0	0	0	0	0	12	0	0	722	0	0	0	744	54	0	0	12	722	798	0	54	756	722
Percent Heavy Vehicles																							
0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.4%	0.0%	0.0%	0.0%	2.2%	0.0%	0.0%	#DIV/0!	0.0%	2.4%	2.0%	#DIV/0!	0.0%	2.1%	2.4%

PHV- Bicycles																	PHV - Pedestrians				
Northbound				Southbound				Eastbound				Westbound					in Crosswalk				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	NB	SB	EB	WB	Sum
				0		0	0	0	0		0		0	0	0	0		1	0	0	1

All Vehicle Volumes																		
	Northbound				Southbound				Eastbound				Westbound					
					SW Water Ave				Ross Island Bridge				Ross Island Bridge				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
07:00:00 AM					0		1	0	0	42		0		51	1	0		
07:05:00 AM					0		0	0	0	39		0		51	2	0		
07:10:00 AM					0		0	0	0	53		0		60	3	0	303	
07:15:00 AM					0		1	0	0	48		0		53	5	0	315	
07:20:00 AM					0		1	0	0	66		0		55	1	0	346	
07:25:00 AM					0		1	0	0	55		0		49	4	0	339	
07:30:00 AM					0		3	0	0	69		0		66	3	0	373	
07:35:00 AM					0		2	0	0	67		0		47	2	0	368	
07:40:00 AM					0		1	0	0	55		0		56	5	0	376	
07:45:00 AM					0		0	0	0	60		0		80	7	0	382	
07:50:00 AM					0		0	0	0	63		0		70	5	0	402	
07:55:00 AM					0		2	0	0	72		0		58	9	0	426	1444
08:00:00 AM					0		3	0	0	75		0		61	4	0	422	1492
08:05:00 AM					0		1	0	0	55		0		65	4	0	409	1525
08:10:00 AM					0		0	0	0	57		0		59	4	0	388	1529
08:15:00 AM					0		0	0	0	51		0		52	3	0	351	1528
08:20:00 AM					0		0	0	0	54		0		68	4	0	352	1531
08:25:00 AM					0		0	0	0	44		0		62	4	0	342	1532
08:30:00 AM					0		1	0	0	52		0		61	5	0	355	1510
08:35:00 AM					0		1	0	0	57		0		57	1	0	345	1508
08:40:00 AM					0		2	0	0	55		0		62	1	0	355	1511
08:45:00 AM					0		1	0	0	61		0		55	2	0	355	1483
08:50:00 AM					0		1	0	0	64		0		54	2	0	360	1466
08:55:00 AM					0		3	0	0	57		0		67	1	0	368	1453

K-D-N
KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224	
N/S street	*SW Kelly Ave*
E/W street	*RI Bridge*
City, State	Portland OR
Site Notes	
Location	45.500306 - -122.675568
Start Date	Tuesday, March 14, 2017
Start Time	06:30:00 AM
Weather	
Study ID #	
Peak Hour Start	07:40:00 AM
Peak 15 Min Start	07:55:00 AM
PHF (15-Min Int)	0.92



Peak-Hour Volumes (PHV)																							
Northbound				Southbound				Eastbound				Westbound				Entering				Leaving			
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	NB	SB	EB	WB
0	0	0	0	700	0	0	0	0	968	203	0	0	0	804	0	0	700	1171	804	203	804	0	1668
Percent Heavy Vehicles																							
0.0%	0.0%	0.0%	0.0%	2.7%	0.0%	0.0%	0.0%	0.0%	5.5%	7.4%	0.0%	0.0%	0.0%	2.4%	0.0%	#DIV/0!	2.7%	5.8%	2.4%	7.4%	2.4%	#DIV/0!	4.3%

PHV- Bicycles																	PHV - Pedestrians				
Northbound				Southbound				Eastbound				Westbound					in Crosswalk				
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	**Sum**	NB	SB	EB	WB	**Sum**
0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	2	2	0	0	4

All Vehicle Volumes																		
	Northbound				Southbound				Eastbound				Westbound					
	SW Kelly Ave				SW Naito Pkwy				RI Bridge				RI Bridge				15 Min	1 HR
Time	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	Sum
06:30:00 AM	0	0	0	0	20	0	0	0	0	33	13	0	0	0	34	0		
06:35:00 AM	0	0	0	0	28	0	0	0	0	38	8	0	0	0	42	0		
06:40:00 AM	0	0	0	0	28	0	0	0	0	58	5	0	0	0	52	0	359	
06:45:00 AM	0	0	0	0	26	0	0	0	0	40	8	0	0	0	59	0	392	
06:50:00 AM	0	0	0	0	25	0	0	0	0	48	6	0	0	0	56	0	411	
06:55:00 AM	0	0	0	0	39	0	0	0	0	51	13	0	0	0	42	0	413	
07:00:00 AM	0	0	0	0	45	0	0	0	0	65	10	0	0	0	48	0	448	
07:05:00 AM	0	0	0	0	38	0	0	0	0	57	8	0	0	0	52	0	468	
07:10:00 AM	0	0	0	0	51	0	0	0	0	78	13	0	0	0	60	0	525	
07:15:00 AM	0	0	0	0	41	0	0	0	0	76	13	0	0	0	60	0	547	
07:20:00 AM	0	0	0	0	59	0	0	0	0	58	11	0	0	0	58	0	578	
07:25:00 AM	0	0	0	0	56	0	0	0	0	74	7	0	0	0	54	0	567	1864
07:30:00 AM	0	0	0	0	65	0	0	0	0	68	13	0	0	0	66	0	589	1976
07:35:00 AM	0	0	0	0	68	0	0	0	0	59	11	0	0	0	53	0	594	2051
07:40:00 AM	0	0	0	0	56	0	0	0	0	88	26	0	0	0	61	0	634	2139
07:45:00 AM	0	0	0	0	60	0	0	0	0	82	8	0	0	0	87	0	659	2243
07:50:00 AM	0	0	0	0	67	0	0	0	0	70	16	0	0	0	75	0	696	2336
07:55:00 AM	0	0	0	0	70	0	0	0	0	98	24	0	0	0	68	0	725	2451
08:00:00 AM	0	0	0	0	65	0	0	0	0	84	11	0	0	0	65	0	713	2508
08:05:00 AM	0	0	0	0	60	0	0	0	0	92	23	0	0	0	69	0	729	2597
08:10:00 AM	0	0	0	0	66	0	0	0	0	72	14	0	0	0	66	0	687	2613
08:15:00 AM	0	0	0	0	47	0	0	0	0	87	19	0	0	0	54	0	669	2630
08:20:00 AM	0	0	0	0	53	0	0	0	0	71	16	0	0	0	70	0	635	2654
08:25:00 AM	0	0	0	0	40	0	0	0	0	78	17	0	0	0	65	0	617	2663
08:30:00 AM	0	0	0	0	52	0	0	0	0	75	18	0	0	0	68	0	623	2664
08:35:00 AM	0	0	0	0	64	0	0	0	0	71	11	0	0	0	56	0	615	2675
08:40:00 AM	0	0	0	0	50	0	0	0	0	91	17	0	0	0	61	0	634	2663
08:45:00 AM	0	0	0	0	59	0	0	0	0	84	21	0	0	0	57	0	642	2647
08:50:00 AM	0	0	0	0	65	0	0	0	0	74	22	0	0	0	56	0	657	2636
08:55:00 AM	0	0	0	0	57	0	0	0	0	90	25	0	0	0	70	0	680	2618
09:00:00 AM	0	0	0	0	59	0	0	0	0	49	17	0	0	0	45	0	629	2563
09:05:00 AM	0	0	0	0	46	0	0	0	0	63	12	0	0	0	46	0	579	2486
09:10:00 AM	0	0	0	0	46	0	0	0	0	44	11	0	0	0	37	0	475	2406
09:15:00 AM	0	0	0	0	41	0	0	0	0	57	15	0	0	0	43	0	461	2355
09:20:00 AM	0	0	0	0	48	0	0	0	0	63	19	0	0	0	39	0	463	2314
09:25:00 AM	0	0	0	0	46	0	0	0	0	65	16	0	0	0	48	0	500	2289

QUALITY COUNTS REPORT
==========

Intersection:	SW Naito P	SW Whitaker St		Lane Configuration:																			
City/State:	Portland	OR						SBLane1	SBLane2	SBLane3	SBLane4	SBLane5	SBLane6	SBLane7									
QCJobNo:	13213013							TR	T	T									STOP				
ClientID:				EBLane7															WBLane1				
Date:	4/8/2015			EBLane6															WBLane2				
Comments:	include turns btwn Naito & frontage rd			EBLane5															WBLane3				
				EBLane4															WBLane4				
PEAK HOUR START	7:35 AM			EBLane3															WBLane5				
PEAK HOUR END	8:35 AM			EBLane2															WBLane6				
PEAK 15-MIN START	8:00 AM			EBLane1	R														WBLane7				
PEAK 15-MIN END	8:15 AM			STOP									T	T									
PHF	0.96							NBLane7	NBLane6	NBLane5	NBLane4	NBLane3	NBLane2	NBLane1									

PEAK-HOUR VOLUMES

NBLeft	NBThru	NBRight	SBLeft	SBThru	SBRight	EBLeft	EBThru	EBRight	WBLeft	WBThru	WBRight	NBEntering	SBEntering	EBEntering	WBEntering	NBLeaving	SBLeaving	EBLeaving	WBLeaving
0	1471	0	0	812	62	0	0	2	0	0	0	1471	874	2	0	1471	814	0	62

PERCENT HEAVY VEHICLES

NBLeft	NBThru	NBRight	SBLeft	SBThru	SBRight	EBLeft	EBThru	EBRight	WBLeft	WBThru	WBRight	NBEntering	SBEntering	EBEntering	WBEntering	NBLeaving	SBLeaving	EBLeaving	WBLeaving
0	2	0	0	3	0	0	0	0	0	0	0	2	2.7	0	0	2	2.9	0	0

PEAK-HOUR VOLUMES - PEDESTRIANS

North	South	East	West
0	0	0	0

PEAK-HOUR VOLUMES - BICYCLES

NBLeft	NBThru	NBRight	SBLeft	SBThru	SBRight	EBLeft	EBThru	EBRight	WBLeft	WBThru	WBRight
0	15	0	0	3	0	0	0	0	0	0	0

PEAK 15-MIN FLOWRATES

VehicleType	NBLeft	NBThru	NBRight	NBUTurn	NBRTOR	SBLeft	SBThru	SBRight	SBUTurn	SBRTOR	EBLeft	EBThru	EBRight	EBUTurn	EBRTOR	WBLeft	WBThru	WBRight	WBUTurn	WBRTOR	Total
All Vehicles	0	1544	0	0	0	0	856	48	0	0	0	0	0	0	0	0	0	0	0	0	2448
Heavy Trucks	0	36	0			0	20	0			0	0	0			0	0	0			56
Pedestrians		0					0					0					0				0
Bicycles	0	4	0			0	1	0			0	0	0			0	0	0			5

ALL-VEHICLE VOLUMES

Time Period	NB Left	NB Thru	NB Right	NB U-Turn	NB RTOR	SB Left	SB Thru	SB Right	SB U-Turn	SB RTOR	EB Left	EB Thru	EB Right	EB U-Turn	EB RTOR	WB Left	WB Thru	WB Right	WB U-Turn	WB RTOR	Total	Hourly Totals
7:00 AM	0	79	0	0	0	0	54	5	0	0	0	0	0	0	0	0	0	0	0	0	138	
7:05 AM	0	77	0	0	0	0	63	10	0	0	0	0	0	0	0	0	0	0	0	0	150	
7:10 AM	0	84	0	0	0	0	56	12	0	0	0	0	0	0	0	0	0	0	0	0	152	
7:15 AM	0	103	0	0	0	0	81	5	0	0	0	0	0	0	0	0	0	0	0	0	189	
7:20 AM	0	99	0	0	0	0	57	8	0	0	0	0	0	0	0	0	0	0	0	0	164	
7:25 AM	0	104	0	0	0	0	56	10	0	0	0	0	0	0	0	0	0	0	0	0	170	
7:30 AM	0	104	0	0	0	0	54	7	0	0	0	0	0	0	0	0	0	0	0	0	165	
7:35 AM	0	126	0	0	0	0	65	6	0	0	0	0	0	0	0	0	0	0	0	0	197	
7:40 AM	0	142	0	0	0	0	53	4	0	0	0	0	1	0	0	0	0	0	0	0	200	
7:45 AM	0	124	0	0	0	0	70	6	0	0	0	0	1	0	0	0	0	0	0	0	201	
7:50 AM	0	119	0	0	0	0	79	3	0	0	0	0	0	0	0	0	0	0	0	0	201	
7:55 AM	0	122	0	0	0	0	72	7	0	0	0	0	0	0	0	0	0	0	0	0	201	2128
8:00 AM	0	115	0	0	0	0	77	7	0	0	0	0	0	0	0	0	0	0	0	0	199	2189
8:05 AM	0	137	0	0	0	0	68	3	0	0	0	0	0	0	0	0	0	0	0	0	208	2247
8:10 AM	0	134	0	0	0	0	69	2	0	0	0	0	0	0	0	0	0	0	0	0	205	2300
8:15 AM	0	113	0	0	0	0	58	8	0	0	0	0	0	0	0	0	0	0	0	0	179	2290
8:20 AM	0	98	0	0	0	0	67	4	0	0	0	0	0	0	0	0	0	0	0	0	169	2295
8:25 AM	0	105	0	0	0	0	79	7	0	0	0	0	0	0	0	0	0	0	0	0	191	2316
8:30 AM	0	136	0	0	0	0	55	5	0	0	0	0	0	0	0	0	0	0	0	0	196	2347
8:35 AM	0	127	0	0	0	0	60	6	0	0	0	0	0	0	0	0	0	0	0	0	193	2343
8:40 AM	0	119	0	0	0	0	80	7	0	0	0	0	0	0	0	0	0	0	0	0	206	2349
8:45 AM	0	137	0	0	0	0	71	5	0	0	0	0	0	0	0	0	0	0	0	0	213	2361
8:50 AM	0	140	0	0	0	0	64	1	0	0	0	0	0	0	0	0	0	0	0	0	205	2365
8:55 AM	0	104	0	0	0	0	70	10	0	0	0	0	1	0	0	0	0	0	0	0	185	2349

HEAVY-VEHICLE VOLUMES

Time Period	NB Left	NB Thru	NB Right	SB Left	SB Thru	SB Right	EB Left	EB Thru	EB Right	WB Left	WB Thru	WB Right	Total
7:00 AM	0	2	0	0	1	0	0	0	0	0	0	0	3
7:05 AM	0	2	0	0	1	0	0	0	0	0	0	0	3
7:10 AM	0	5	0	0	1	0	0	0	0	0	0	0	6
7:15 AM	0	2	0	0	1	0	0	0	0	0	0	0	3
7:20 AM	0	3	0	0	1	0	0	0	0	0	0	0	4
7:25 AM	0	7	0	0	2	0	0	0	0	0	0	0	9
7:30 AM	0	6	0	0	3	0	0	0	0	0	0	0	9
7:35 AM	0	3	0	0	2	0	0	0	0	0	0	0	5
7:40 AM	0	1	0	0	3	0	0	0	0	0	0	0	4
7:45 AM	0	2	0	0	2	0	0	0	0	0	0	0	4
7:50 AM	0	2	0	0	2	0	0	0	0	0	0	0	4
7:55 AM	0	3	0	0	3	0	0	0	0	0	0	0	6
8:00 AM	0	2	0	0	3	0	0	0	0	0	0	0	5
8:05 AM	0	2	0	0	1	0	0	0	0	0	0	0	3
8:10 AM	0	5	0	0	1	0	0	0	0	0	0	0	6
8:15 AM	0	2	0	0	1	0	0	0	0	0	0	0	3
8:20 AM	0	1	0	0	3	0	0	0	0	0	0	0	4
8:25 AM	0	3	0	0	2	0	0	0	0	0	0	0	5
8:30 AM	0	3	0	0	1	0	0	0	0	0	0	0	4
8:35 AM	0	4	0	0	2	1	0	0	0	0	0	0	7
8:40 AM	0	4	0	0	7	0	0	0	0	0	0	0	11
8:45 AM	0	2	0	0	1	0	0	0	0	0	0	0	3
8:50 AM	0	3	0	0	1	0	0	0	0	0	0	0	4
8:55 AM	0	2	0	0	2	0	0	0	0	0	0	0	4

PEDESTRIAN VOLUMES

Time Period	North	South	East	West	Total
7:00 AM	0	0	0	0	0
7:05 AM	0	0	0	0	0
7:10 AM	0	0	0	0	0
7:15 AM	0	0	0	0	0
7:20 AM	0	0	0	0	0
7:25 AM	0	0	0	0	0
7:30 AM	0	0	0	0	0
7:35 AM	0	0	0	0	0
7:40 AM	0	0	0	0	0
7:45 AM	0	0	0	0	0
7:50 AM	0	0	0	0	0
7:55 AM	0	0	0	0	0
8:00 AM	0	0	0	0	0
8:05 AM	0	0	0	0	0
8:10 AM	0	0	0	0	0
8:15 AM	0	0	0	0	0
8:20 AM	0	0	0	0	0
8:25 AM	0	0	0	0	0
8:30 AM	0	0	0	0	0
8:35 AM	0	0	0	0	0
8:40 AM	0	0	0	0	0
8:45 AM	0	0	0	0	0
8:50 AM	0	0	0	0	0
8:55 AM	0	0	0	0	0

BICYCLE VOLUMES

Time Period	NB Left	NB Thru	NB Right	SB Left	SB Thru	SB Right	EB Left	EB Thru	EB Right	WB Left	WB Thru	WB Right	Total
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:05 AM	0	2	0	0	0	0	0	0	0	0	0	0	2
7:10 AM	0	1	0	0	0	0	0	0	0	0	0	0	1
7:15 AM	0	1	0	0	1	0	0	0	0	0	0	0	2
7:20 AM	0	2	0	0	0	0	0	0	0	0	0	0	2
7:25 AM	0	3	0	0	0	0	0	0	0	0	0	0	3
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:35 AM	0	2	0	0	0	0	0	0	0	0	0	0	2
7:40 AM	0	3	0	0	0	0	0	0	0	0	0	0	3
7:45 AM	0	3	0	0	0	0	0	0	0	0	0	0	3
7:50 AM	0	1	0	0	0	0	0	0	0	0	0	0	1
7:55 AM	0	0	0	0	0	0	0	0	0	0	0	0	0

8:00 AM	0	1	0	0	1	0	0	0	0	0	0	0	2
8:05 AM	0	2	0	0	0	0	0	0	0	0	0	0	2
8:10 AM	0	1	0	0	0	0	0	0	0	0	0	0	1
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:20 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:25 AM	0	2	0	0	2	0	0	0	0	0	0	0	4
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:35 AM	0	2	0	0	0	0	0	0	0	0	0	0	2
8:40 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:50 AM	0	1	0	0	0	0	0	0	0	0	0	0	1
8:55 AM	0	1	0	0	0	0	0	0	0	0	0	0	1

QUALITY COUNTS REPORT
==========

Intersection:	SW Barbur SW Lowell St				Lane Configuration:																			
City/State:	Portland OR													SBLane1	SBLane2	SBLane3	SBLane4	SBLane5	SBLane6	SBLane7				
QCJobNo:	13213007													LT									STOP	
ClientID:					EBLane7																LR		WBLane1	
Date:	4/8/2015				EBLane6																		WBLane2	
Comments:					EBLane5																		WBLane3	
					EBLane4																		WBLane4	
PEAK HOUR START	7:35 AM				EBLane3																		WBLane5	
PEAK HOUR END	8:35 AM				EBLane2																		WBLane6	
PEAK 15-MIN START	8:05 AM				EBLane1																		WBLane7	
PEAK 15-MIN END	8:20 AM				STOP													T	T	TR				
PHF	0.98													NBLane7	NBLane6	NBLane5	NBLane4	NBLane3	NBLane2	NBLane1				

PEAK-HOUR VOLUMES

NBLeft	NBThru	NBRight	SBLeft	SBThru	SBRight	EBLeft	EBThru	EBRight	WBLeft	WBThru	WBRight	NBEntering	SBEntering	EBEntering	WBEnterin	NBLeaving	SBLeaving	EBLeaving	WBLeaving
0	3033	1	1	298	0	0	0	0	1	0	14	3034	299	0	15	3047	299	2	0

PERCENT HEAVY VEHICLES

NBLeft	NBThru	NBRight	SBLeft	SBThru	SBRight	EBLeft	EBThru	EBRight	WBLeft	WBThru	WBRight	NBEntering	SBEntering	EBEntering	WBEnterin	NBLeaving	SBLeaving	EBLeaving	WBLeaving
0	2.4	0	0	10.4	0	0	0	0	0	0	0	2.4	10.4	0	0	2.4	10.4	0	0

PEAK-HOUR VOLUMES - PEDESTRIANS

North	South	East	West
0	0	0	0

PEAK-HOUR VOLUMES - BICYCLES

NBLeft	NBThru	NBRight	SBLeft	SBThru	SBRight	EBLeft	EBThru	EBRight	WBLeft	WBThru	WBRight
0	50	0	0	0	0	0	0	0	0	0	0

PEAK 15-MIN FLOWRATES

VehicleType	NBLeft	NBThru	NBRight	NBUTurn	NBRTOR	SBLeft	SBThru	SBRight	SBUTurn	SBRTOR	EBLeft	EBThru	EBRight	EBUTurn	EBRTOR	WBLeft	WBThru	WBRight	WBUTurn	WBRTOR	Total
All Vehicles	0	3040	0	0	0	0	368	0	0	0	0	0	0	0	0	4	0	16	0	0	3428
Heavy Trucks	0	84	0			0	24	0			0	0	0			0	0	0			108
Pedestrians		0					0					0					0				0
Bicycles	0	10	0			0	0	0			0	0	0			0	0	0			10

ALL-VEHICLE VOLUMES

Time Period	NB Left	NB Thru	NB Right	NB U-Turn	NB RTOR	SB Left	SB Thru	SB Right	SB U-Turn	SB RTOR	EB Left	EB Thru	EB Right	EB U-Turn	EB RTOR	WB Left	WB Thru	WB Right	WB U-Turn	WB RTOR	Total	Hourly Totals
7:00 AM	0	151	1	0	0	0	21	0	0	0	0	0	0	0	0	0	0	0	0	0	173	
7:05 AM	0	129	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	139	
7:10 AM	0	155	1	0	0	0	14	0	0	0	0	0	0	0	0	0	0	1	0	0	171	
7:15 AM	0	177	0	0	0	0	15	0	0	0	0	0	0	0	0	0	0	1	0	0	193	
7:20 AM	0	215	1	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	228	
7:25 AM	0	178	0	0	0	0	23	0	0	0	0	0	0	0	0	0	0	0	0	0	201	
7:30 AM	0	228	1	0	0	0	22	0	0	0	0	0	0	0	0	1	0	1	0	0	253	
7:35 AM	0	255	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	273	
7:40 AM	0	252	0	0	0	0	31	0	0	0	0	0	0	0	0	0	0	4	0	0	287	
7:45 AM	0	276	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	1	0	0	296	
7:50 AM	0	251	0	0	0	0	17	0	0	0	0	0	0	0	0	0	0	1	0	0	269	
7:55 AM	0	260	0	0	0	1	27	0	0	0	0	0	0	0	0	0	0	0	0	0	288	2771
8:00 AM	0	241	0	0	0	0	24	0	0	0	0	0	0	0	0	0	0	2	0	0	267	2865
8:05 AM	0	246	0	0	0	0	27	0	0	0	0	0	0	0	0	0	0	2	0	0	275	3001
8:10 AM	0	224	0	0	0	0	33	0	0	0	0	0	0	0	0	1	0	0	0	0	258	3088
8:15 AM	0	290	0	0	0	0	32	0	0	0	0	0	0	0	0	0	0	2	0	0	324	3219
8:20 AM	0	240	0	0	0	0	23	0	0	0	0	0	0	0	0	0	0	1	0	0	264	3255
8:25 AM	0	236	1	0	0	0	28	0	0	0	0	0	0	0	0	0	0	1	0	0	266	3320
8:30 AM	0	262	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0	0	0	281	3348
8:35 AM	0	239	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	1	0	0	259	3334
8:40 AM	0	224	0	0	0	1	26	0	0	0	0	0	0	0	0	0	0	0	0	0	251	3298
8:45 AM	0	268	0	0	0	0	15	0	0	0	0	0	0	0	0	0	0	1	0	0	284	3286
8:50 AM	0	252	0	0	0	0	21	0	0	0	0	0	0	0	0	0	0	1	0	0	274	3291
8:55 AM	0	211	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	241	3244

HEAVY-VEHICLE VOLUMES

Time Period	NB Left	NB Thru	NB Right	SB Left	SB Thru	SB Right	EB Left	EB Thru	EB Right	WB Left	WB Thru	WB Right	Total
7:00 AM	0	5	0	0	3	0	0	0	0	0	0	0	8
7:05 AM	0	3	0	0	0	0	0	0	0	0	0	0	3
7:10 AM	0	11	0	0	3	0	0	0	0	0	0	0	14
7:15 AM	0	6	0	0	4	0	0	0	0	0	0	1	11
7:20 AM	0	7	0	0	2	0	0	0	0	0	0	0	9
7:25 AM	0	7	0	0	3	0	0	0	0	0	0	0	10
7:30 AM	0	12	0	0	3	0	0	0	0	0	0	0	15
7:35 AM	0	5	0	0	1	0	0	0	0	0	0	0	6
7:40 AM	0	4	0	0	5	0	0	0	0	0	0	0	9
7:45 AM	0	6	0	0	2	0	0	0	0	0	0	0	8
7:50 AM	0	6	0	0	0	0	0	0	0	0	0	0	6
7:55 AM	0	3	0	0	5	0	0	0	0	0	0	0	8
8:00 AM	0	11	0	0	3	0	0	0	0	0	0	0	14
8:05 AM	0	4	0	0	1	0	0	0	0	0	0	0	5
8:10 AM	0	12	0	0	2	0	0	0	0	0	0	0	14
8:15 AM	0	5	0	0	3	0	0	0	0	0	0	0	8
8:20 AM	0	4	0	0	1	0	0	0	0	0	0	0	5
8:25 AM	0	6	0	0	6	0	0	0	0	0	0	0	12
8:30 AM	0	6	0	0	2	0	0	0	0	0	0	0	8
8:35 AM	0	6	0	0	2	0	0	0	0	0	0	0	8
8:40 AM	0	8	0	0	1	0	0	0	0	0	0	0	9
8:45 AM	0	3	0	0	1	0	0	0	0	0	0	0	4
8:50 AM	0	7	0	0	1	0	0	0	0	0	0	0	8
8:55 AM	0	4	0	0	2	0	0	0	0	0	0	0	6

PEDESTRIAN VOLUMES

Time Period	North	South	East	West	Total
7:00 AM	0	0	1	0	1
7:05 AM	0	0	0	0	0
7:10 AM	0	0	0	0	0
7:15 AM	0	0	0	0	0
7:20 AM	0	0	0	0	0
7:25 AM	0	0	0	0	0
7:30 AM	0	0	0	0	0
7:35 AM	0	0	0	0	0
7:40 AM	0	0	0	0	0
7:45 AM	0	0	0	0	0
7:50 AM	0	0	0	0	0
7:55 AM	0	0	0	0	0
8:00 AM	0	0	0	0	0
8:05 AM	0	0	0	0	0
8:10 AM	0	0	0	0	0
8:15 AM	0	0	0	0	0
8:20 AM	0	0	0	0	0
8:25 AM	0	0	0	0	0
8:30 AM	0	0	0	0	0
8:35 AM	0	0	0	0	0
8:40 AM	0	0	0	0	0
8:45 AM	0	0	1	0	1
8:50 AM	0	0	0	0	0
8:55 AM	0	0	0	0	0

BICYCLE VOLUMES

Time Period	NB Left	NB Thru	NB Right	SB Left	SB Thru	SB Right	EB Left	EB Thru	EB Right	WB Left	WB Thru	WB Right	Total
7:00 AM	0	5	0	0	0	0	0	0	0	0	0	0	5
7:05 AM	0	1	0	0	0	0	0	0	0	0	0	0	1
7:10 AM	0	5	0	0	0	0	0	0	0	0	0	0	5
7:15 AM	0	4	0	0	0	0	0	0	0	0	0	0	4
7:20 AM	0	7	0	0	0	0	0	0	0	0	0	0	7
7:25 AM	0	6	0	0	0	0	0	0	0	0	0	0	6
7:30 AM	0	2	0	0	0	0	0	0	0	0	0	0	2
7:35 AM	0	6	0	0	0	0	0	0	0	0	0	0	6
7:40 AM	0	5	0	0	0	0	0	0	0	0	0	0	5
7:45 AM	0	3	0	0	0	0	0	0	0	0	0	0	3

7:50 AM	0	7	0	0	0	0	0	0	0	0	0	0	7
7:55 AM	0	5	0	0	0	0	0	0	0	0	0	0	5
8:00 AM	0	8	0	0	0	0	0	0	0	0	0	0	8
8:05 AM	0	1	0	0	0	0	0	0	0	0	0	0	1
8:10 AM	0	7	0	0	0	0	0	0	0	0	0	0	7
8:15 AM	0	2	0	0	0	0	0	0	0	0	0	0	2
8:20 AM	0	3	0	0	0	0	0	0	0	0	0	0	3
8:25 AM	0	2	0	0	0	0	0	0	0	0	0	0	2
8:30 AM	0	1	0	0	0	0	0	0	0	0	0	0	1
8:35 AM	0	3	0	0	0	0	0	0	0	0	0	0	3
8:40 AM	0	4	0	0	0	0	0	0	0	0	0	0	4
8:45 AM	0	2	0	0	0	0	0	0	0	0	0	0	2
8:50 AM	0	5	0	0	0	0	0	0	0	0	0	0	5
8:55 AM	0	4	0	0	0	0	0	0	0	0	0	0	4

Attachment B: Existing Volume Development

7am Existing Unbalanced Counts

**These are the counts that were used to create balanced counts. This does not necessarily mean that the first day of counts was used.*

	NBL	NBL2	NBT	NBR	NBU	SBL	SBL2	SBT	SBR	EBL	EBT	EBR	EBR2	WBL	WBL2	WBT	WBR	WBU	NEBL	NEBT	NEBR	NWBT	NWBR	SEBL	SEBT	SEBR	SEBR2
A10	0	0	0	0	0	0	0	0	0	0	141	0	0	0	0	218	0	0	0	0	0	0	0	0	0	0	0
A12	60	0	0	55	0	20	0	105	24	0	102	42	0	22	0	134	0	0	0	0	0	0	0	0	0	0	0
A13	101	0	765	39	0	0	0	274	20	64	91	29	0	26	0	35	11	0	0	0	0	0	0	0	0	0	0
A16	0	0	0	0	0	6	0	196	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0
A17	9	0	362	54	0	0	0	0	0	9	33	0	0	0	0	26	23	0	0	0	0	0	0	0	0	0	0
A18	0	0	0	0	0	44	0	152	0	0	59	16	0	25	0	54	0	0	0	0	0	0	0	0	0	0	0
A19	13	0	517	0	0	0	0	0	0	6	12	0	0	0	0	6	20	0	0	0	0	0	0	0	0	0	0
A20	0	0	0	0	0	3	0	237	0	0	9	5	0	8	0	26	0	0	0	0	0	0	0	0	0	0	0
A21	30	0	998	0	0	0	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A22	0	0	0	0	0	18	0	331	6	0	1	1	0	187	0	5	0	0	0	0	0	0	0	0	0	0	0
A23	150	0	532	0	0	0	0	0	0	6	14	0	0	0	0	28	21	0	0	0	0	0	0	0	0	0	0
A24	0	0	0	0	0	18	0	223	0	0	10	10	0	97	0	49	0	0	0	0	0	0	0	0	0	0	0
A25A	133	0	1018	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	0	0	0
A25B	0	0	1149	69	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0
A26	0	0	0	0	0	137	5	315	32	0	8	0	30	72	151	11	0	0	0	0	0	0	0	0	0	0	0
A27	0	0	329	0	0	0	0	0	0	26	0	0	0	0	0	0	0	0	248	320	0	0	0	0	0	0	0
A28	1493	0	566	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A29	0	0	0	0	0	0	0	293	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A30A	0	0	0	0	0	61	0	107	73	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A30B	0	0	0	0	0	45	0	16	0	0	0	0	0	6	0	0	0	11	0	0	0	0	0	0	0	0	0
A31	10	0	805	0	0	0	0	0	0	13	48	0	0	0	0	12	156	0	0	0	0	275	74	0	0	0	0
A32	0	0	0	7	0	0	0	0	1	0	0	14	0	0	0	0	54	0	0	0	0	0	0	0	0	0	0
A33	6	0	0	6	0	2	0	0	15	3	98	2	0	9	0	161	15	0	0	0	0	0	0	0	0	0	0
A34	83	0	110	0	0	0	0	88	77	15	0	55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A35	0	0	1473	0	0	0	0	342	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A36	0	0	803	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A37	0	0	0	150	0	314	0	101	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1231	57	6
A38A	0	0	0	0	0	0	0	1704	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A38B	0	0	0	0	0	0	0	0	0	168	970	566	0	0	0	0	1473	0	0	0	0	0	0	0	0	0	0
A39	0	0	0	0	0	0	0	67	0	0	953	0	0	0	0	1423	0	0	0	0	0	0	0	0	0	0	0
A40	1	0	437	0	0	0	0	517	1	5	0	2	0	120	0	1	10	0	0	0	0	0	0	0	0	0	0
A41	0	0	0	0	0	0	0	1008	33	0	0	0	0	5	0	98	0	0	0	0	0	0	0	0	0	0	0
A42	478	16	760	0	0	0	0	0	0	0	0	0	0	71	0	980	59	0	0	0	0	0	0	0	0	0	0
A43	0	0	0	0	0	1005	0	0	0	0	164	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A44	0	0	410	154	0	21	0	639	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A45	0	0	1195	47	0	0	0	0	0	63	900	187	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A46	0	0	200	15	0	44	0	95	0	0	0	0	0	20	0	0	13	0	0	0	0	0	0	0	0	0	0
A47	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A48	11	0	81	15	0	21	0	35	26	43	819	10	0	0	0	1091	137	0	0	0	0	0	0	0	0	0	0
A49	0	0	0	0	0	0	0	0	0	0	166	719	0	0	0	1252	0	0	0	0	0	0	0	0	0	0	0
A50	2	0	0	32	0	0	0	0	0	0	156	0	0	0	0	1257	544	0	0	0	0	0	0	0	0	0	0
A51	0	0	0	0	0	6	0	0	46	83	115	0	0	0	0	1734	106	0	0	0	0	0	0	0	0	0	0
A52	1	0	1239	27	0	24	0	178	1	4	3	4	0	4	0	1	37	0	0	0	0	0	0	0	0	0	0
A53	0	0	427	0	0	0	0	153	140	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0
A54	1281	0	0	0	0	0	0	0	0	0	0	120	0	0	0	561	105	0	0	0	0	0	0	0	0	0	0
A55	0	0	427	67	0	0	0	153	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A56A	0	0	1294	0	0	67	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A56B	0	0	1294	1003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A57/A60	0	0	0	0	0	0	0	0	0	0	0	0	0	292	0	653	0	0	0	0	0	0	0	0	0	0	0
A58A	1	0	1255	24	0	13	0	174	0	0	6	2	0	2	0	0	25	0	0	0	0	0	0	0	0	0	0
A59A	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	696	47	0	0	0	0	0	0	0	0	0	0
A59B	0	0	0	0	0	0	0	0	0	0	689	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A61A	0	0	0	676	0	0	0	0	0	0	456	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A61B	0	0	0	0	0	0	0	0	0	0	676	115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A61C	0	0	0	0	0	791	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A62	0	0	0	230	0	0	0	0	0	0	1336	0	0	0	0	762	2163	0	0	0	0	0	0	0	0	0	0
A63	0	0	0	0	0	0	0	0	0	0	982	579	0	0	0	3096	0	0	0	0	0	0	0	0	0	0	0
A64	0	0	0	24	0	0	0	0	0	0	982	0	0	0	0	3096	0	0	0	0	0	0	0	0	0	0	0
A65	0	0	0	12	0	0	0	0	780	0	1011	7	0	0	0	2215	14	0	0	0	0	0	0	0	0	0	0
A66	0	0	0	11	0	0	0	0	66	125	879	8	0	0	0	2237	24	0	0	0	0	0	0	0	0	0	0
A67	380	0	173	18	0	122	0	58	191	0	824	22	0	19	0	1539	219	0	0	0	0	0	0	0	0	0	0
A68	0	0	0	0	0	0	0	0	0	0	42	0	0	0	0	113	0	0	0	0	0	0	0	0	0	0	0
A69	0	0	495	7	0	0	0	160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	701	0	0
A70	5	0	229	5	0	0	0	0	0	1	10	4	0	0	0	0	0	0	0	0	0	0	0	0	119	1	0
A71	0	0	1174	17	0	4	0	178	0	25	0	66	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A72A	0	0	0	0	0	0	0	0	83	0	0	0	0	0	0	0	0	0	0	1283	0	0	0	0	0	0	0
A72B	0	0	0	0	0	0	0	0	0	0	0	0	0	101	0	0	0	0	0	0	0	0	0	0	0	0	0
A73	4	0	63	0	0	0	0	119	1	16	0	5	0	13	0	15	158	0	0	0	0	0	0	0	0	0	0
A74	0	0	0	0	0	0	0	1254	183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A75/76	1	0	1171	0	0	0	0	168	32	10	0	0	0	2	0	15	6	0	0	0	0	0	0	0	0	0	0
A77	200	0	1206	0	0	0	0	165	9	7	0	33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A78	0	0	1344	1082	0	0	0	181	0	0	0	0	0	22	0	0	3	0	0	0	0	0	0	0	0	0	0
A79	0	0	2527	4	0	0	0	229	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0
A80	0	0	2315	20	0	0	0	170	0	0	0	0	0	0	0	0	171	0	0	0	0	0	0	0	664	98	0
A81	156	0	127	32	0	2	0	33	5	2	12	5	0	7	0	16	2	0	0	0	0	0	0	0	0	0	0
A82/84	0	0	2101	204	0	145	0	604	71	47	29	4	0	84	0	127	198	0	0	0	0	0	0	0	0	0	0
A83	331	0	254	28	0	0	0	15	24	68	40	238	0	4	0	15	2	0	0	0	0	0	0	0	0	0	0
A85	0	0	1390	0	0	0	0	695	0	0	0	0	0	0	0	0	906	0	0	0	0	0	0	0	0	0	0
A86	0	0	1400	0	0	0	0	257	464	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A87	33	0	178	11	0	8	0	62	46	187	950	21	0	3	0	435	8	0	0	0	0	0	0	0	0	0	0
A88	0	0	2407	2	0	0	0	764	0	0	0	0	0	0	0	0	22	0	0	0	0	0	0	0	0	0	0
A89	0	0	520	0	0	0	0	286	0	88	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A9	21	0	919	83	0	0	0	0	0	47	52	0	0	0	0	55	176	0	0	0	0	0	0	0	0	0	0
A90	1	0	56	17	0	131	0	12	1	9	50	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A91	792	0	958	179	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A92	24	0	0	89	0	31	0	0	6	14	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A93	11	0	79	0	0	0	0	34	18	24	2	9	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0
A94	0	0	0	0	0	0	0	861	48	0	0	0	0	0	0	1150	0	0	0	0	4	0	0	0	0	0	0
A95	0	0	0	5	0	0	0	0	1	0	870	0	0	0	0	1118	3	0	0	0	0	0	0	0	0	0	0
A96	0	0	1120	0	30	0	0	0	0	0	0	909	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A97	0	0	0	0	0	0	0	120	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

7am Balance Adjusments

	NBL	NBL2	NBT	NBR	NBU	SBL	SBL2	SBT	SBR	EBL	EBT	EBR	EBR2	WBL	WBL2	WBT	WBR	WBU	NEBL	NEBT	NEBR	NWBT	NWBR	SEBL	SEBT	SEBR	SEBR2	Adjustment Comments
A10	0	0	0	0	0	3	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A12	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A13	0	0	10	11	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A18	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A19	0	0	39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A20	0	0	0	0	0	1	0	-40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A21	4	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A22	0	0	0	0	0	0	0	-27	0	0	0	0	0	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	
A23	13	0	10	0	0	0	0	0	0	0	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A24	0	0	0	0	0	0	0	-31	0	0	-7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A25A	13	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	0	
A25B	0	0	10	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A26	0	0	0	0	0	0	0	2	0	0	13	0	3	0	30	14	0	0	0	0	0	0	0	0	0	0	0	Balanced with ramp
A27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	0	0	0	0	0	0	0	
A28	0	0	62	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A29	0	0	0	0	0	0	0	-37	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A30A	0	0	0	0	0	0	0	0	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A30B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	0	0	0	0	0	0	0	0	0	
A31	0	0	20	0	0	0	0	0	0	0	-6	0	0	0	0	-6	0	0	0	0	0	0	0	0	0	0	0	
A32	0	0	0	26	0	0	0	0	14	0	0	38	0	0	0	147	0	0	0	0	0	0	0	0	0	0	0	
A33	0	0	0	0	0	0	0	0	0	0	-36	30	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0	
A34	40	0	39	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A35	0	0	-459	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Old count balanced with new counts. Balancing A47 to A13. Should be noted that there is currently a lane closure in this area.
A36	0	0	10	0	0	0	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A37	0	0	0	-5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	
A38A	0	0	0	0	0	0	0	-6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A38B	0	0	0	0	0	0	0	0	0	0	-6	0	0	0	0	0	27	0	0	0	0	0	0	0	0	0	0	
A39	0	0	0	0	0	0	0	22	0	0	11	0	0	0	0	77	0	0	0	0	0	0	0	0	0	0	0	
A40	6	0	-34	0	0	0	0	42	6	0	0	3	0	0	0	0	36	0	0	0	0	0	0	0	0	0	0	
A41	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	36	0	0	0	0	0	0	0	0	0	0	0	
A42	35	33	10	0	0	0	0	0	0	0	0	0	0	19	0	7	-16	0	0	0	0	0	0	0	0	0	0	
A43	0	0	0	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A44	0	0	0	-1	0	-10	0	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A45	0	0	74	0	0	0	0	0	0	0	7	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A46	0	0	53	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A47	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A48	0	0	9	2	0	0	0	0	0	0	28	0	0	0	0	31	0	0	0	0	0	0	0	0	0	0	0	
A49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	
A50	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	0	0	0	0	0	0	0	0	0	0	0	
A52	0	0	61	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A53	0	0	42	0	0	0	0	0	77	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7am to balance with A62
A54	19	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A55	0	0	42	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A56A	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A56B	0	0	6	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A57/A60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0	
A58A	0	0	42	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A59A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	
A59B	0	0	0	0	0	0	0	0	0	0	-106	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A61A	0	0	0	112	0	0	0	0	0	0	127	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Balance to A84
A61B	0	0	0	0	0	0	0	0	0	0	112	33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Balance to A62
A61C	0	0	0	0	0	145	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Balance to A62
A62	0	0	0	0	0	0	0	0	0	0	35	0	0	0	0	0	171	0	0	0	0	0	0	0	0	0	0	
A63	0	0	0	0	0	0	0	0	0	0	30	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A64	0	0	0	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A65	0	0	0	0	0	0	0	0	27	0	15	3	0	0	0	74	0	0	0	0	0	0	0	0	0	0	0	Balance thru
A66	0	0	0	0	0	0	0	0	0	0	24	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A67	30	0	0	0	0	0	0	0	11	0	68	0	0	0	0	110	0	0	0	0	0	0	0	0	0	0	0	
A68	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A69	0	0	42	2	0	0	0	-7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	
A70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	0	0	
A71	0	0	82	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Balance to the north
A72A	0	0	0	0	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	-159	0	0	0	0	0	0	0	Old count balanced with new counts. Balancing A47 to A13
A72B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A73	0	0	0	0	0	0	0	18	0	2	0	0	0	0	0	-3	0	0	0	0	0	0	0	0	0	0	0	
A74	0	0	0	0	0	0	0	-16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A75/76	0	0	86	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A77	0	0	45	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A78	0	0	85	42	0	0	0	13	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Balance to the north
A79	0	0	12	26	0	0	0	-32	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	7am used to balance NB thru
A80	0	0	90	5	0	0	0	27	0	0	0	0	0	0	0	0	-7	0	0	0	0	0	0	0	0	0	0	Removed Natio Volume from original count and moved to the Naito link
A81	-13	0	4	0	0	0	0	6	0	0	6	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	
A82/84	0	0	84	0	0	5	0	28	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A83	15	0	-18	0	0	0	0	0	15	0	0	37	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	
A85	0	0	10	0	0	0	0	25	0	0	0	0	0	0	0	0	63	0	0	0	0	0	0	0	0	0	0	Balance to the north
A86	0	0	0	0	0	0	0	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Balance to Hamilton (A84)
A87	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0	
A88	0	0	-40	0	0	0	0	-44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7am used to balance thru volumes
A89	0	0	2	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A9	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A90	0	0	2	0	0	-7	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A92	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A93	0	0	13	0	0	0	0	-6	-1	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	
A94	0	0	0	0	0	0	0	30	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A95	0	0	0	0	0	0	0	0	0	0	25	0	0	0	0	31	7	0	0	0	0	0	0	0	0	0	0	
A96	0	0	0	0	0	0	0	0	0	0	0	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A97	0	0	0	0	0	0	0	222	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Balancing old counts with new counts. It should be noted that a lane closure happened in this area

7am Naito/Barbur Split Adjustment

	NBL	NBL2	NBT	NBR	NBU	SBL	SBL2	SBT	SBR	EBL	EBT	EBR	EBR2	WBL	WBL2	WBT	WBR	WBU	NEBL	NEBT	NEBR	NWBT	NWBR	SEBL	SEBT	SEBR	SEBR2
A10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A13	0	0	260	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A21	0	0	-60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A25A	0	0	-60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A25B	0	0	-60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A30A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A30B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A31	0	0	-60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A35	0	0	260	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A36	0	0	-60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A38A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A38B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A42	0	0	-60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A45	0	0	-60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A47	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	200	0	0	0	0	0	0	0	0	0	0
A51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	200	0	0	0	0	0	0	0	0	0	0	0
A52	0	0	-60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A53	0	0	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	200	0	0	0	0	0	0	0	0	0	0	0
A55	0	0	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A56A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A56B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A57/A60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	200	0	0	0	0	0	0	0	0	0	0	0
A58A	0	0	-60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A59A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A59B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A61A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A61B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A61C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A62	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A63	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A66	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A67	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A68	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A69	0	0	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A71	0	0	-60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A72A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60	0	0	0	0	0	0	0
A72B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A73	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A75/76	0	0	-60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A77	0	0	-60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A78	0	0	-60	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A81	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A82/84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A83	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A86	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A87	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A88	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A9	0	0	-60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A91	0	0	200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A92	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A96	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A97	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

7am Balanced Counts

	NBL	NBL2	NBT	NBR	NBU	SBL	SBL2	SBT	SBR	EBL	EBT	EBR	EBR2	WBL	WBL2	WBT	WBR	WBU	NEBL	NEBT	NEBR	NWBT	NWBR	SEBL	SEBT	SEBR	SEBR2
A10	0	0	0	0	0	3	0	0	13	0	141	0	0	0	0	218	0	0	0	0	0	0	0	0	0	0	0
A12	60	0	0	65	0	20	0	105	24	0	102	42	0	22	0	134	0	0	0	0	0	0	0	0	0	0	0
A13	101	0	1035	50	0	0	0	274	20	64	94	29	0	26	0	35	11	0	0	0	0	0	0	0	0	0	0
A16	0	0	0	0	0	6	0	196	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0
A17	9	0	362	54	0	0	0	0	0	9	33	0	0	0	0	26	23	0	0	0	0	0	0	0	0	0	0
A18	0	0	0	0	0	44	0	160	0	0	59	16	0	25	0	54	0	0	0	0	0	0	0	0	0	0	0
A19	13	0	556	0	0	0	0	0	0	6	12	0	0	0	0	6	20	0	0	0	0	0	0	0	0	0	0
A20	0	0	0	0	0	4	0	197	0	0	9	5	0	8	0	26	0	0	0	0	0	0	0	0	0	0	0
A21	34	0	950	0	0	0	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A22	0	0	0	0	0	18	0	304	6	0	1	1	0	186	0	5	0	0	0	0	0	0	0	0	0	0	0
A23	163	0	542	0	0	0	0	0	0	6	13	0	0	0	0	28	21	0	0	0	0	0	0	0	0	0	0
A24	0	0	0	0	0	18	0	192	0	0	3	10	0	97	0	49	0	0	0	0	0	0	0	0	0	0	0
A25A	146	0	963	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	0	0	0
A25B	0	0	1099	110	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0
A26	0	0	0	0	0	137	5	317	32	0	21	0	33	72	181	25	0	0	0	0	0	0	0	0	0	0	0
A27	0	0	329	0	0	0	0	0	0	26	0	0	0	0	0	0	0	0	278	350	0	0	0	0	0	0	0
A28	1493	0	628	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A29	0	0	0	0	0	0	0	256	43	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A30A	0	0	0	0	0	61	0	107	89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A30B	0	0	0	0	0	45	0	16	0	0	0	0	0	6	0	0	0	10	0	0	0	0	0	0	0	0	0
A31	10	0	765	0	0	0	0	0	0	13	42	0	0	0	0	6	156	0	0	0	0	275	74	0	0	0	0
A32	0	0	0	33	0	0	0	0	15	0	0	52	0	0	0	147	54	0	0	0	0	0	0	0	0	0	0
A33	6	0	0	6	0	2	0	0	15	3	62	32	0	9	0	180	15	0	0	0	0	0	0	0	0	0	0
A34	123	0	149	0	0	0	0	88	81	15	0	55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A35	0	0	1274	0	0	0	0	342	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A36	0	0	753	0	0	0	0	0	0	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A37	0	0	0	145	0	314	0	101	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1239	57	6
A38A	0	0	0	0	0	0	0	1698	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A38B	0	0	0	0	0	0	0	0	0	168	964	566	0	0	0	0	1500	0	0	0	0	0	0	0	0	0	0
A39	0	0	0	0	0	0	0	89	0	0	964	0	0	0	0	1500	0	0	0	0	0	0	0	0	0	0	0
A40	7	0	403	0	0	0	0	559	7	5	0	5	0	120	0	1	46	0	0	0	0	0	0	0	0	0	0
A41	0	0	0	0	0	0	0	1020	33	0	0	0	0	5	0	134	0	0	0	0	0	0	0	0	0	0	0
A42	513	49	710	0	0	0	0	0	0	0	0	0	0	90	0	987	43	0	0	0	0	0	0	0	0	0	0
A43	0	0	0	0	0	1025	0	0	0	0	164	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A44	0	0	410	153	0	11	0	667	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A45	0	0	1209	47	0	0	0	0	0	63	907	219	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A46	0	0	253	17	0	44	0	95	0	0	0	0	0	20	0	0	13	0	0	0	0	0	0	0	0	0	0
A47	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A48	11	0	90	17	0	21	0	35	26	43	847	10	0	0	0	1122	137	0	0	0	0	0	0	0	0	0	0
A49	0	0	0	0	0	0	0	0	0	0	166	719	0	0	0	1259	0	0	0	0	0	0	0	0	0	0	0
A50	2	0	0	32	0	0	0	0	0	0	166	0	0	0	0	1257	744	0	0	0	0	0	0	0	0	0	0
A51	0	0	0	0	0	6	0	0	46	83	115	0	0	0	0	1955	106	0	0	0	0	0	0	0	0	0	0
A52	1	0	1240	27	0	24	0	185	1	4	3	4	0	4	0	1	37	0	0	0	0	0	0	0	0	0	0
A53	0	0	529	0	0	0	0	153	217	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0
A54	1300	0	0	0	0	0	0	0	0	0	0	121	0	0	0	761	105	0	0	0	0	0	0	0	0	0	0
A55	0	0	529	68	0	0	0	153	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A56A	0	0	1300	0	0	67	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A56B	0	0	1300	1034	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A57/A60	0	0	0	0	0	0	0	0	0	0	0	0	0	292	0	866	0	0	0	0	0	0	0	0	0	0	0
A58A	1	0	1237	24	0	13	0	180	0	0	6	2	0	2	0	0	25	0	0	0	0	0	0	0	0	0	0
A59A	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	696	66	0	0	0	0	0	0	0	0	0	0
A59B	0	0	0	0	0	0	0	0	0	0	583	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A61A	0	0	0	788	0	0	0	0	0	0	583	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A61B	0	0	0	0	0	0	0	0	0	0	788	148	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A61C	0	0	0	0	0	936	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A62	0	0	0	230	0	0	0	0	0	0	1371	0	0	0	0	762	2334	0	0	0	0	0	0	0	0	0	0
A63	0	0	0	0	0	0	0	0	0	0	1012	589	0	0	0	3096	0	0	0	0	0	0	0	0	0	0	0
A64	0	0	0	24	0	0	0	0	0	0	1012	0	0	0	0	3096	0	0	0	0	0	0	0	0	0	0	0
A65	0	0	0	12	0	0	0	0	807	0	1026	10	0	0	0	2289	14	0	0	0	0	0	0	0	0	0	0
A66	0	0	0	11	0	0	0	0	66	125	903	10	0	0	0	2237	24	0	0	0	0	0	0	0	0	0	0
A67	410	0	173	18	0	122	0	58	202	0	892	22	0	19	0	1649	219	0	0	0	0	0	0	0	0	0	0
A68	0	0	0	0	0	0	0	0	0	0	42	0	0	0	0	113	0	0	0	0	0	0	0	0	0	0	0
A69	0	0	597	9	0	0	0	153	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	708	0	0
A70	5	0	229	5	0	0	0	0	0	1	10	4	0	0	0	0	0	0	0	0	0	0	0	0	134	1	0
A71	0	0	1196	17	0	4	0	180	0	25	0	66	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A72A	0	0	0	0	0	0	0	0	101	0	0	0	0	0	0	0	0	0	0	1184	0	0	0	0	0	0	0
A72B	0	0	0	0	0	0	0	0	0	0	0	0	0	101	0	0	0	0	0	0	0	0	0	0	0	0	0
A73	4	0	63	0	0	0	0	137	1	18	0	5	0	13	0	12	158	0	0	0	0	0	0	0	0	0	0
A74	0	0	0	0	0	0	0	1238	183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A75/76	1	0	1197	0	0	0	0	173	32	10	0	0	0	2	0	15	6	0	0	0	0	0	0	0	0	0	0
A77	200	0	1191	0	0	0	0	166	9	7	0	33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A78	0	0	1369	1184	0	0	0	194	5	0	0	0	0	22	0	0	3	0	0	0	0	0	0	0	0	0	0
A79	0	0	2539	30	0	0	0	197	0	0	0	0	0	0	0	0	14	0	0	0	0	0	0	0	0	0	0
A80	0	0	2405	25	0	0	0	197	0	0	0	0	0	0	0	0	164	0	0	0	0	0	0	0	664	98	0
A81	143	0	131	32	0	2	0	39	5	2	18	5	0	10	0	16	2	0	0	0	0	0	0	0	0	0	0
A82/84	0	0	2185	204	0	150	0	632	79	47	29	4	0	84	0	127	198	0	0	0	0	0	0	0	0	0	0
A83	346	0	236	28	0	0	0	15	39	68	40	275	0	4	0	24	2	0	0	0	0	0	0	0	0	0	0
A85	0	0	1400	0	0	0	0	720	0	0	0	0	0	0	0	0	969	0	0	0	0	0	0	0	0	0	0
A86	0	0	1400	0	0	0	0	256	464	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A87	33	0	178	11	0	8	0	62	46	187	950	21	0	3	0	453	8	0	0	0	0	0	0	0	0	0	0
A88	0	0	2367	2	0	0	0	720	0	0	0	0	0	0	0	0	22	0	0	0	0	0	0	0	0	0	0
A89	0	0	522	0	0	0	0	294	0	88	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A9	21	0	859	83	0	0	0	0	0	51	52	0	0	0	0	55	176	0	0	0	0	0	0	0	0	0	0
A90	1	0	58	17	0	124	0	30	1	9	50	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A91	792	0	1158	179	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A92	24	0	0	89	0	31	0	0	6	14	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A93	11	0	92	0	0	0	0	28	17	24	2	9	0	0	0	3	2	0	0	0	0	0	0	0	0	0	0
A94	0	0	0	0	0	0	0	891	93	0	0	0	0	0	0	1150	0	0	0	0	4	0	0	0	0	0	0
A95	0	0	0	5	0	0	0	0	1	0	895	0	0	0	0	1149	10	0	0	0	0	0	0	0	0	0	0
A96	0	0	1120	0	30	0	0	0	0	0	0	954	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A97	0	0	0	0	0	0	0	342	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

8am Existing Unbalanced Counts

	NBL	NBL2	NBT	NBR	NBU	SBL	SBL2	SBT	SBR	EBL	EBT	EBR	EBR2	WBL	WBL2	WBT	WBR	WBU	NEBL	NEBT	NEBR	NWBT	NWBR	SEBL	SEBT	SEBR	SEBR2
A10	0	0	0	0	0	0	0	0	0	0	150	0	0	0	0	296	0	0	0	0	0	0	0	0	0	0	0
A12	120	0	0	100	0	38	0	106	55	0	113	43	0	23	0	135	0	0	0	0	0	0	0	0	0	0	0
A13	99	0	759	31	0	0	0	506	37	106	76	63	0	38	0	36	8	0	0	0	0	0	0	0	0	0	0
A16	0	0	0	0	0	7	0	179	0	0	0	0	0	21	0	0	0	0	0	0	0	0	0	0	0	0	0
A17	11	0	436	86	0	0	0	0	0	11	43	0	0	0	0	27	31	0	0	0	0	0	0	0	0	0	0
A18	0	0	0	0	0	35	0	148	0	0	85	18	0	27	0	63	0	0	0	0	0	0	0	0	0	0	0
A19	21	0	520	0	0	0	0	0	0	19	25	0	0	0	0	7	24	0	0	0	0	0	0	0	0	0	0
A20	0	0	0	0	0	15	0	219	0	0	13	5	0	24	0	39	0	0	0	0	0	0	0	0	0	0	0
A21	52	0	1006	0	0	0	0	0	0	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A22	0	0	0	0	0	41	0	292	7	0	1	0	0	176	0	2	0	0	0	0	0	0	0	0	0	0	0
A23	169	0	602	0	0	0	0	0	0	21	25	0	0	0	0	40	40	0	0	0	0	0	0	0	0	0	0
A24	0	0	0	0	0	22	0	222	0	0	16	12	0	115	0	65	0	0	0	0	0	0	0	0	0	0	0
A25A	171	0	1004	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28	0	0	0
A25B	0	0	1169	86	0	0	0	0	0	0	0	0	0	0	0	0	37	0	0	0	0	0	0	0	0	0	0
A26	0	0	0	0	0	106	16	354	21	0	12	13	15	75	106	12	0	0	0	0	0	0	0	0	0	0	0
A27	0	0	405	0	0	0	0	0	0	24	0	0	0	0	0	0	0	0	172	413	0	0	0	0	0	0	0
A28	1702	0	587	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A29	0	0	0	0	0	0	0	319	4	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A30A	0	0	0	0	0	60	0	146	99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A30B	0	0	0	0	0	49	0	11	0	0	0	0	0	4	0	0	0	18	0	0	0	0	0	0	0	0	0
A31	11	0	991	0	0	0	0	0	0	27	40	0	0	0	0	8	158	0	0	0	0	306	85	0	0	0	0
A32	0	0	0	10	0	0	0	0	3	0	0	25	0	0	0	123	42	0	0	0	0	0	0	0	0	0	0
A33	9	0	0	5	0	3	0	0	13	3	93	5	0	17	0	133	7	0	0	0	0	0	0	0	0	0	0
A34	94	0	205	0	0	0	0	90	83	17	0	79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A35	0	0	1433	0	0	0	0	532	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A36	0	0	1022	0	0	0	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A37	0	0	0	188	0	326	0	117	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1479	53	6
A38A	0	0	0	0	0	0	0	1948	5	0	0	68	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A38B	0	0	0	0	0	0	0	0	0	295	1117	536	0	0	0	0	1645	0	0	0	0	0	0	0	0	0	0
A39	0	0	0	0	0	0	0	76	0	0	1118	0	0	0	0	1631	0	0	0	0	0	0	0	0	0	0	0
A40	5	0	309	0	0	0	0	519	5	5	0	8	0	111	0	5	9	0	0	0	0	0	0	0	0	0	0
A41	0	0	0	0	0	0	0	1311	53	0	0	0	0	12	0	78	0	0	0	0	0	0	0	0	0	0	0
A42	646	26	931	0	0	0	0	0	0	0	0	0	0	60	0	1013	90	0	0	0	0	0	0	0	0	0	0
A43	0	0	0	0	0	1315	0	0	0	0	152	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A44	0	0	307	117	0	45	0	590	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A45	0	0	1501	68	0	0	0	0	0	90	920	319	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A46	0	0	294	17	0	37	0	123	2	0	0	0	0	40	0	0	20	0	0	0	0	0	0	0	0	0	0
A47	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A48	34	0	112	32	0	51	0	57	36	61	855	20	0	0	0	1147	164	0	0	0	0	0	0	0	0	0	0
A49	0	0	0	0	0	0	0	0	0	0	171	710	0	0	0	1281	0	0	0	0	0	0	0	0	0	0	0
A50	9	0	0	18	0	0	0	0	0	0	181	0	0	0	0	1312	441	0	0	0	0	0	0	0	0	0	0
A51	0	0	0	0	0	8	0	0	64	81	115	0	0	0	0	1678	89	0	0	0	0	0	0	0	0	0	0
A52	0	0	1370	46	0	39	0	398	1	2	1	3	0	8	0	0	68	0	0	0	0	0	0	0	0	0	0
A53	0	0	401	0	0	0	0	195	194	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0
A54	1237	0	0	0	0	0	0	0	0	0	0	126	0	0	0	554	92	0	0	0	0	0	0	0	0	0	0
A55	0	0	401	55	0	0	0	195	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A56A	0	0	1243	0	0	97	0	0	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A56B	0	0	1243	920	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A57/A60	0	0	0	0	0	0	0	0	0	0	0	0	0	361	0	623	0	0	0	0	0	0	0	0	0	0	0
A58A	1	0	1398	35	0	20	0	394	2	0	0	4	0	16	0	1	35	0	0	0	0	0	0	0	0	0	0
A59A	0	0	0	0	0	0	0	0	13	0	0	0	0	0	0	723	35	0	0	0	0	0	0	0	0	0	0
A59B	0	0	0	0	0	0	0	0	0	0	682	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A61A	0	0	0	949	0	0	0	0	0	0	717	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A61B	0	0	0	0	0	0	0	0	0	0	949	198	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A61C	0	0	0	0	0	1147	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A62	0	0	0	275	0	0	0	0	0	0	1357	0	0	0	0	762	2163	0	0	0	0	0	0	0	0	0	0
A63	0	0	0	0	0	0	0	0	0	0	1141	516	0	0	0	3020	0	0	0	0	0	0	0	0	0	0	0
A64	0	0	0	19	0	0	0	0	0	0	1141	0	0	0	0	3020	0	0	0	0	0	0	0	0	0	0	0
A65	0	0	0	10	0	0	0	0	812	0	1138	8	0	0	0	2143	52	0	0	0	0	0	0	0	0	0	0
A66	0	0	0	17	0	0	0	0	62	160	988	6	0	8	0	2199	47	0	0	0	0	0	0	0	0	0	0
A67	316	0	213	26	0	153	0	74	223	0	927	56	0	38	0	1696	286	0	0	0	0	0	0	0	0	0	0
A68	0	0	0	0	0	0	0	0	0	0	85	0	0	0	0	182	0	0	0	0	0	0	0	0	0	0	0
A69	0	0	444	11	0	0	0	197	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	742	0	0
A70	7	0	276	4	0	0	0	0	0	1	12	12	0	0	0	0	0	0	0	0	0	0	0	0	159	2	0
A71	0	0	1498	33	0	5	0	234	0	10	0	80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A72A	0	0	0	0	0	0	0	0	65	0	0	0	0	0	0	0	0	0	0	1465	0	0	0	0	0	0	0
A72B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A73	3	0	68	0	0	0	0	164	7	34	0	12	0	13	0	22	185	0	0	0	0	0	0	0	0	0	0
A74	0	0	0	0	0	0	0	1194	217	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A75/76	5	0	1467	2	0	1	0	225	16	13	0	3	0	1	0	19	19	0	0	0	0	0	0	0	0	0	0
A77	171	0	1367	0	0	0	0	399	9	9	0	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A78	4	0	1647	1084	0	0	0	248	3	0	0	0	0	24	0	0	7	0	0	0	0	0	0	0	0	0	0
A79	0	0	2933	1	0	0	0	297	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0	0	0	0
A80	0	0	2410	22	0	0	0	439	0	0	0	0	0	0	0	0	155	0	0	0	0	0	0	0	1148	115	0
A81	139	0	141	32	0	7	0	108	5	2	5	12	0	18	0	23	9	0	0	0	0	0	0	0	0	0	0
A82/84	0	0	2218	258	0	204	0	1331	82	25	35	1	0	269	0	86	162	0	0	0	0	0	0	0	0	0	0
A83	280	0	236	16	0	2	0	44	95	87	48	352	0	9	0	103	3	0	0	0	0	0	0	0	0	0	0
A85	0	0	1544	0	0	0	0	772	0	0	0	0	0	0	0	0	1038	0	0	0	0	0	0	0	0	0	0
A86	0	0	1316	0	0	0	0	1033	470	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A87	43	0	190	24	0	4	0	67	49	187	964	37	0	6	0	472	10	0	0	0	0	0	0	0	0	0	0
A88	0	0	2567	0	0	0	0	805	0	0	0	0	0	0	0	0	15	0	0	0	0	0	0	0	0	0	0
A89	0	0	447	0	0	0	0	410	0	46	0	130	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A9	34	0	1136	89	0	0	0	0	0	78	53	0	0	0	0	72	224	0	0	0	0	0	0	0	0	0	0
A90	0	0	65	17	0	179	0	12	3	5	59	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A91	884	0	984	207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A92	44	0	0	128	0	62	0	0	21	33	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A93	30	0	141	0	0	0	0	64	20	31	0	17	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0
A94	0	0	0	0	0	0	0	899	44	0	0	0	0	0	0	1214	0	0	0	0	10	0	0	0	0	0	0
A95	0	0	0	3	0	0	0	0	2	0	911	1	0	0	0	1169	4	0	0	0	0	0	0	0	0	0	0
A96	0	0	1195	0	19	0	0	0	0	0	0	996	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A97	0	0	0	0	0	0	0	166	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

8am Balance Adjusments

	NBL	NBL2	NBT	NBR	NBU	SBL	SBL2	SBT	SBR	EBL	EBT	EBR	EBR2	WBL	WBL2	WBT	WBR	WBU	NEBL	NEBT	NEBR	NWBT	NWBR	SEBL	SEBT	SEBR	SEBR2	Adjustment Comments
A10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	0	0	0	0	0	0	0	0	0	0	
A12	0	0	0	0	0	0	0	15	0	0	-6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A13	-14	0	0	0	0	0	0	153	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A16	0	0	0	0	0	0	0	-17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A17	0	0	73	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A18	0	0	0	0	0	0	0	0	0	0	11	0	0	6	0	10	0	0	0	0	0	0	0	0	0	0	0	
A19	0	0	193	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Balancing old counts with new counts
A20	0	0	0	0	0	-4	0	-31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A21	11	0	229	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Balancing old counts with new counts
A22	0	0	0	0	0	0	0	29	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	
A23	0	0	71	0	0	0	0	0	0	0	-4	0	0	0	0	-24	0	0	0	0	0	0	0	0	0	0	0	
A24	0	0	0	0	0	0	0	-27	0	0	-7	0	0	0	0	-9	0	0	0	0	0	0	0	0	0	0	0	
A25A	0	0	263	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	Balancing old count with new counts
A25B	0	0	232	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Balancing old counts with new counts
A26	0	0	0	0	0	0	0	0	0	0	-4	0	2	9	0	0	0	0	0	0	0	0	0	0	0	0	0	Balanced with ramp
A27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0	0	Balance to the north
A28	0	0	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Balance to the north
A29	0	0	0	0	0	0	0	-27	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A30A	0	0	0	0	0	0	0	0	-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A30B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A31	3	0	37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A32	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0	Inferred count
A33	0	0	0	0	0	0	0	0	30	5	-5	9	0	5	0	10	5	0	0	0	0	0	0	0	0	0	0	
A34	0	0	25	0	0	0	0	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A35	0	0	-589	0	0	0	0	-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Old count balanced with new counts. Balancing A47 to A13. Should be noted that there is currently a lane closure in this area.
A36	0	0	5	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A37	0	0	0	20	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	0	0	
A38A	0	0	0	0	0	0	0	81	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A38B	0	0	0	0	0	0	0	0	0	0	149	0	0	0	0	0	59	0	0	0	0	0	0	0	0	0	0	Balance to the north
A39	0	0	0	0	0	0	0	15	0	0	148	0	0	0	0	73	0	0	0	0	0	0	0	0	0	0	0	balance to the north
A40	0	0	-7	0	0	0	0	12	0	0	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	
A41	0	0	0	0	0	0	0	-7	0	0	0	0	0	-1	0	-4	0	0	0	0	0	0	0	0	0	0	0	
A42	13	-1	6	0	0	0	0	0	0	0	0	0	0	0	0	32	0	0	0	0	0	0	0	0	0	0	0	Balance to the north
A43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A44	0	0	0	-10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A45	0	0	30	0	0	0	0	0	0	0	8	130	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A46	0	0	19	7	0	21	0	0	0	0	0	0	0	0	0	0	-16	0	0	0	0	0	0	0	0	0	0	
A47	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A48	0	0	0	-6	0	0	0	7	0	0	-25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Balane thru A48 (EB)
A49	0	0	0	0	0	0	0	0	0	0	26	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0	
A50	0	0	0	0	0	0	0	0	0	0	3	13	0	0	0	-10	0	0	0	0	0	0	0	0	0	0	0	
A51	0	0	0	0	0	0	0	0	1	0	6	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	
A52	0	0	164	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A53	0	0	0	0	0	0	0	168	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A54	6	0	0	0	0	0	0	0	0	0	0	3	0	0	0	-23	0	0	0	0	0	0	0	0	0	0	0	Balance thru to the north
A55	0	0	0	-12	0	0	0	168	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A56A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A56B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A57/A60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A58A	0	0	147	0	0	0	0	-7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A59A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	262	0	0	0	0	0	0	0	0	0	0	0	Balancing old counts with new
A59B	0	0	0	0	0	0	0	0	0	0	-22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Balance to A62
A61A	0	0	0	-227	0	0	0	0	0	0	-57	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Balance with A53
A61B	0	0	0	0	0	0	0	0	0	0	-227	-16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Balance to A62
A61C	0	0	0	0	0	-243	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Balance to A 62
A62	0	0	0	2	0	0	0	0	0	0	25	0	0	0	0	258	0	0	0	0	0	0	0	0	0	0	0	Balancing old counts with new counts
A63	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	163	0	0	0	0	0	0	0	0	0	0	0	
A64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	163	0	0	0	0	0	0	0	0	0	0	0	
A65	0	0	0	0	0	0	0	0	43	0	14	0	0	0	0	185	1	0	0	0	0	0	0	0	0	0	0	
A66	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	120	0	0	0	0	0	0	0	0	0	0	0	
A67	20	0	0	0	0	0	0	0	20	0	30	0	0	0	0	99	0	0	0	0	0	0	0	0	0	0	0	
A68	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A69	0	0	0	0	0	0	0	166	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	256	0	0	Balancing old counts with new counts. Balancing Ross Island WB counts with old counts.
A70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	
A71	0	0	3	0	0	0	0	168	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A72A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-356	0	0	0	0	0	0	0	Balancing old counts with new counts
A72B	0	0	0	0	0	0	0	0	0	0	0	0	0	65	0	0	0	0	0	0	0	0	0	0	0	0	0	
A73	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A74	0	0	0	0	0	0	0	-6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A75/76	0	0	35	0	0	0	0	170	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Balance to the south. Balancing thru the corridor
A77	0	0	133	0	0	0	0	-9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A78	0	0	0	25	0	0	0	180	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Balancing old count with new counts
A79	0	0	-265	5	0	0	0	138	0	0	0	0	0	0	0	0	81	0	0	0	0	0	0	0	0	0	0	Balance to the south. Balancing old counts with new counts
A80	0	0	97	-3	0	0	0	-4	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	34	0	0	Removed Natio Volume from original count and moved to the Naito link
A81	0	0	0	0	0	0	0	10	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	
A82/84	0	0	121	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A83	15	0	-14	0	0	0	0	0	9	0	0	10	0	0	0	15	0	0	0	0	0	0	0	0	0	0	0	
A85	0	0	0	0	0	0	0	829	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Balancin with A82/84
A86	0	0	228	0	0	0	0	98	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Balancing with A82/84 and A78
A87	0	0	0	0	0	0	0	0	0	0	46	0	0	0	0	-18	0	0	0	0	0	0	0	0	0	0	0	
A88	0	0	15	0	0	0	0	796	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Balancing to A80
A89	0	0	40	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A90	0	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A92	0	0	0	10	0	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A94	0	0	0	0	0	0	0	0	72	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Balancing with parking in this area
A95	0	0	0	0	0	0	0	0	0	0	-3	0	0	0	0	43	1	0	0	0	0	0	0	0	0	0	0	
A96	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A97	0	0	0	0	0	0	0	361	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Balancing old counts with new counts. It should be noted that a lane closure happened in this area

	8am Naito/Barbur Split Adjustment																									
	NBL	NBL2	NBT	NBR	NBU	SBL	SBL2	SBT	SBR	EBL	EBT	EBR	EBR2	WBL	WBL2	WBT	WBR	WBU	NEBL	NEBT	NEBR	NWBT	NWBR	SEBL	SEBT	SEBR	SEBR2
A10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A13	0	0	350	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A21	0	0	-180	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A25A	0	0	-180	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A25B	0	0	-180	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A30A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A30B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A31	0	0	-180	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A35	0	0	350	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A36	0	0	-180	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A38A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A38B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A42	0	0	-180	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A45	0	0	-180	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A47	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	170	0	0	0	0	0	0	0	0	0	0
A51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	170	0	0	0	0	0	0	0	0	0	0	0
A52	0	0	-180	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A53	0	0	180	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	170	0	0	0	0	0	0	0	0	0	0	0
A55	0	0	180	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A56A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A56B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A57/A60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	170	0	0	0	0	0	0	0	0	0	0	0
A58A	0	0	-180	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A59A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A59B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A61A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A61B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A61C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A62	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A63	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A66	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A67	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A68	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A69	0	0	180	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A71	0	0	-180	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A72A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	180	0	0	0	0	0	0	0
A72B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A73	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A75/76	0	0	-180	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A77	0	0	-180	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A78	0	0	-180	180	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A81	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A82/84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A83	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A86	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A87	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A88	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A9	0	0	-180	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A91	0	0	170	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A92	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A96	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A97	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

8am Balanced Counts

	NBL	NBL2	NBT	NBR	NBU	SBL	SBL2	SBT	SBR	EBL	EBT	EBR	EBR2	WBL	WBL2	WBT	WBR	WBU	NEBL	NEBT	NEBR	NWBT	NWBR	SEBL	SEBT	SEBR	SEBR2
A10	0	0	0	0	0	0	0	0	0	0	150	0	0	0	0	296	14	0	0	0	0	0	0	0	0	0	0
A12	120	0	0	100	0	38	0	121	55	0	107	43	0	23	0	135	0	0	0	0	0	0	0	0	0	0	0
A13	85	0	1109	31	0	0	0	659	37	106	76	63	0	38	0	36	8	0	0	0	0	0	0	0	0	0	0
A16	0	0	0	0	0	7	0	162	0	0	0	0	0	21	0	0	0	0	0	0	0	0	0	0	0	0	0
A17	11	0	509	86	0	0	0	0	0	11	43	0	0	0	0	27	31	0	0	0	0	0	0	0	0	0	0
A18	0	0	0	0	0	35	0	148	0	0	96	18	0	33	0	73	0	0	0	0	0	0	0	0	0	0	0
A19	21	0	713	0	0	0	0	0	0	19	25	0	0	0	0	7	24	0	0	0	0	0	0	0	0	0	0
A20	0	0	0	0	0	11	0	188	0	0	13	5	0	24	0	39	0	0	0	0	0	0	0	0	0	0	0
A21	63	0	1055	0	0	0	0	0	0	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A22	0	0	0	0	0	41	0	321	7	0	1	0	0	176	0	9	0	0	0	0	0	0	0	0	0	0	0
A23	169	0	673	0	0	0	0	0	0	21	21	0	0	0	0	16	40	0	0	0	0	0	0	0	0	0	0
A24	0	0	0	0	0	22	0	195	0	0	9	12	0	115	0	56	0	0	0	0	0	0	0	0	0	0	0
A25A	171	0	1087	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	0	0	0
A25B	0	0	1221	118	0	0	0	0	0	0	0	0	0	0	0	0	37	0	0	0	0	0	0	0	0	0	0
A26	0	0	0	0	0	106	16	354	21	0	8	13	17	84	106	12	0	0	0	0	0	0	0	0	0	0	0
A27	0	0	405	0	0	0	0	0	0	24	0	0	0	0	0	0	0	0	202	413	0	0	0	0	0	0	0
A28	1702	0	615	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A29	0	0	0	0	0	0	0	292	30	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A30A	0	0	0	0	0	60	0	146	91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A30B	0	0	0	0	0	49	0	11	0	0	0	0	0	4	0	0	0	18	0	0	0	0	0	0	0	0	0
A31	14	0	848	0	0	0	0	0	0	27	40	0	0	0	0	8	158	0	0	0	0	306	85	0	0	0	0
A32	0	0	0	10	0	0	0	0	13	0	0	25	0	0	0	153	42	0	0	0	0	0	0	0	0	0	0
A33	9	0	0	5	0	3	0	0	43	8	88	14	0	22	0	143	12	0	0	0	0	0	0	0	0	0	0
A34	94	0	230	0	0	0	0	104	83	17	0	79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A35	0	0	1194	0	0	0	0	528	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A36	0	0	847	0	0	0	0	0	0	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A37	0	0	0	208	0	335	0	117	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1491	53	6
A38A	0	0	0	0	0	0	0	2029	5	0	0	68	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A38B	0	0	0	0	0	0	0	0	0	295	1266	536	0	0	0	0	1704	0	0	0	0	0	0	0	0	0	0
A39	0	0	0	0	0	0	0	91	0	0	1266	0	0	0	0	1704	0	0	0	0	0	0	0	0	0	0	0
A40	5	0	302	0	0	0	0	531	5	5	0	9	0	111	0	5	11	0	0	0	0	0	0	0	0	0	0
A41	0	0	0	0	0	0	0	1304	53	0	0	0	0	11	0	74	0	0	0	0	0	0	0	0	0	0	0
A42	659	25	757	0	0	0	0	0	0	0	0	0	0	60	0	1045	90	0	0	0	0	0	0	0	0	0	0
A43	0	0	0	0	0	1315	0	0	0	0	152	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A44	0	0	307	107	0	45	0	590	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A45	0	0	1351	68	0	0	0	0	0	90	928	449	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A46	0	0	313	24	0	58	0	123	2	0	0	0	0	40	0	0	4	0	0	0	0	0	0	0	0	0	0
A47	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A48	34	0	112	26	0	51	0	64	36	61	830	20	0	0	0	1147	164	0	0	0	0	0	0	0	0	0	0
A49	0	0	0	0	0	0	0	0	0	0	197	710	0	0	0	1311	0	0	0	0	0	0	0	0	0	0	0
A50	9	0	0	18	0	0	0	0	0	0	184	13	0	0	0	1302	611	0	0	0	0	0	0	0	0	0	0
A51	0	0	0	0	0	8	0	0	65	81	121	0	0	0	0	1848	96	0	0	0	0	0	0	0	0	0	0
A52	0	0	1354	46	0	39	0	398	1	2	1	3	0	8	0	0	68	0	0	0	0	0	0	0	0	0	0
A53	0	0	581	0	0	0	0	363	194	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0
A54	1243	0	0	0	0	0	0	0	0	0	0	129	0	0	0	701	92	0	0	0	0	0	0	0	0	0	0
A55	0	0	581	43	0	0	0	363	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A56A	0	0	1243	0	0	97	0	0	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A56B	0	0	1243	920	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A57/A60	0	0	0	0	0	0	0	0	0	0	0	0	0	361	0	793	0	0	0	0	0	0	0	0	0	0	0
A58A	1	0	1365	35	0	20	0	387	2	0	0	4	0	16	0	1	35	0	0	0	0	0	0	0	0	0	0
A59A	0	0	0	0	0	0	0	0	13	0	0	0	0	0	0	985	35	0	0	0	0	0	0	0	0	0	0
A59B	0	0	0	0	0	0	0	0	0	0	660	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A61A	0	0	0	722	0	0	0	0	0	0	660	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A61B	0	0	0	0	0	0	0	0	0	0	722	182	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A61C	0	0	0	0	0	904	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A62	0	0	0	277	0	0	0	0	0	0	1382	0	0	0	0	1020	2163	0	0	0	0	0	0	0	0	0	0
A63	0	0	0	0	0	0	0	0	0	0	1141	518	0	0	0	3183	0	0	0	0	0	0	0	0	0	0	0
A64	0	0	0	19	0	0	0	0	0	0	1141	0	0	0	0	3183	0	0	0	0	0	0	0	0	0	0	0
A65	0	0	0	10	0	0	0	0	855	0	1152	8	0	0	0	2328	53	0	0	0	0	0	0	0	0	0	0
A66	0	0	0	17	0	0	0	0	62	160	996	6	0	8	0	2319	47	0	0	0	0	0	0	0	0	0	0
A67	336	0	213	26	0	153	0	74	243	0	957	56	0	38	0	1795	286	0	0	0	0	0	0	0	0	0	0
A68	0	0	0	0	0	0	0	0	0	0	85	6	0	0	0	182	0	0	0	0	0	0	0	0	0	0	0
A69	0	0	624	11	0	0	0	363	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	998	0	0
A70	7	0	276	4	0	0	0	0	0	1	12	12	0	0	0	0	0	0	0	0	0	0	0	0	166	2	0
A71	0	0	1321	33	0	5	0	402	0	10	0	80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A72A	0	0	0	0	0	0	0	0	65	0	0	0	0	0	0	0	0	0	0	1289	0	0	0	0	0	0	0
A72B	0	0	0	0	0	0	0	0	0	0	0	0	0	65	0	0	0	0	0	0	0	0	0	0	0	0	0
A73	3	0	68	0	0	0	0	171	7	34	0	12	0	13	0	22	185	0	0	0	0	0	0	0	0	0	0
A74	0	0	0	0	0	0	0	1188	220	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A75/76	5	0	1322	2	0	1	0	395	16	13	0	3	0	1	0	19	19	0	0	0	0	0	0	0	0	0	0
A77	171	0	1320	0	0	0	0	390	9	9	0	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A78	4	0	1467	1289	0	0	0	428	3	0	0	0	0	24	0	0	7	0	0	0	0	0	0	0	0	0	0
A79	0	0	2668	6	0	0	0	435	0	0	0	0	0	0	0	0	92	0	0	0	0	0	0	0	0	0	0
A80	0	0	2507	19	0	0	0	435	0	0	0	0	0	0	0	0	167	0	0	0	0	0	0	0	1182	115	0
A81	139	0	141	32	0	7	0	118	5	2	5	12	0	20	0	23	9	0	0	0	0	0	0	0	0	0	0
A82/84	0	0	2339	258	0	204	0	1331	82	25	35	1	0	269	0	86	162	0	0	0	0	0	0	0	0	0	0
A83	295	0	222	16	0	2	0	44	104	87	48	362	0	9	0	118	3	0	0	0	0	0	0	0	0	0	0
A85	0	0	1544	0	0	0	0	1601	0	0	0	0	0	0	0	0	1038	0	0	0	0	0	0	0	0	0	0
A86	0	0	1544	0	0	0	0	1131	470	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A87	43	0	190	24	0	4	0	67	49	187	1010	37	0	6	0	454	10	0	0	0	0	0	0	0	0	0	0
A88	0	0	2582	0	0	0	0	1601	0	0	0	0	0	0	0	0	15	0	0	0	0	0	0	0	0	0	0
A89	0	0	487	0	0	0	0	415	0	46	0	130	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A9	34	0	956	89	0	0	0	0	0	78	53	0	0	0	0	72	224	0	0	0	0	0	0	0	0	0	0
A90	0	0	66	17	0	179	0	14	3	5	59	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A91	884	0	1154	207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A92	44	0	0	138	0	61	0	0	21	33	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A93	30	0	141	0	0	0	0	64	20	31	0	17	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0
A94	0	0	0	0	0	0	0	899	116	0	0	0	0	0	0	1214	0	0	0	0	10	0	0	0	0	0	0
A95	0	0	0	3	0	0	0	0	2	0	908	1	0	0	0	1212	5	0	0	0	0	0	0	0	0	0	0
A96	0	0	1195	0	19	0	0	0	0	0	0	996	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A97	0	0	0	0	0	0	0	527	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Attachment C: Lane Utilization Data

4th and Broadway

	Westbound Through			Northbound Left	
	Left	Middle	Right	Left	Right
7:00 AM	45	33	17	20	18
7:05 AM	43	52	20	16	13
7:10 AM	36	33	11	18	13
7:15 AM	38	34	14	18	19
7:20 AM	31	48	24	24	23
7:25 AM	22	34	20	20	20
7:30 AM	30	33	18	24	26
7:35 AM	35	38	17	22	25
7:40 AM	24	30	19	16	29
7:45 AM	11	35	26	24	29
7:50 AM	32	33	17	27	34
7:55 AM	32	31	14	18	27
	37%	42%	21%	47%	53%

	Westbound Through			Northbound Left	
	Left	Middle	Right	Left	Right
8:00 AM	17	49	12	31	34
8:05 AM	28	32	19	19	22
8:10 AM	21	28	16	14	29
8:15 AM	43	40	20	37	27
8:20 AM	40	37	15	21	25
8:25 AM	41	38	15	25	32
8:30 AM	33	46	17	35	33
8:35 AM	29	41	23	23	26
8:40 AM	36	42	19	21	29
8:45 AM	25	37	21	29	28
8:50 AM	35	50	22	30	26
8:55 AM	40	35	13	22	27
	36%	44%	20%	48%	52%
2- hour Total	767	909	429	554	614
2- hour Average	**36%**	**43%**	**20%**	**47%**	**53%**

6th and Broadway

Westbound Right

	Left	Middle	Right
7:00 AM	84	28	12
7:05 AM	52	35	19
7:10 AM	88	35	15
7:15 AM	60	25	12
7:20 AM	59	37	20
7:25 AM	56	42	23
7:30 AM	62	34	21
7:35 AM	59	35	12
7:40 AM	66	43	28
7:45 AM	54	39	25
7:50 AM	38	51	26
7:55 AM	97	29	20
	54%	30%	16%

Westbound Right

	Left	Middle	Right
8:00 AM	73	30	14
8:05 AM	48	44	23
8:10 AM	85	29	21
8:15 AM	98	35	19
8:20 AM	70	36	17
8:25 AM	101	34	21
8:30 AM	88	37	15
8:35 AM	66	44	16
8:40 AM	86	46	27
8:45 AM	83	24	26
8:50 AM	84	36	17
8:55 AM	98	44	18
	59%	27%	14%

	Left	Middle	Right
2- hour Total	1755	872	467
2- hour Average	**57%**	**28%**	**15%**

Barbur and Hamilton

	Northbound Through			
	Left	Middle	Right	Right Turn
7:00 AM	39	45	32	13
7:05 AM	55	58	36	10
7:10 AM	51	53	34	10
7:15 AM	54	61	30	8
7:20 AM	50	78	41	22
7:25 AM	87	90	43	23
7:30 AM	68	71	37	14
7:35 AM	68	71	30	18
7:40 AM	98	93	38	32
7:45 AM	91	84	35	31
7:50 AM	77	78	47	22
7:55 AM	91	90	44	30
	35%	37%	29%	

	Northbound Through			
	Left	Middle	Right	Right Turn
8:00 AM	89	93	36	32
8:05 AM	79	77	27	20
8:10 AM	57	63	21	20
8:15 AM	97	94	44	37
8:20 AM	83	86	62	18
8:25 AM	68	64	29	24
8:30 AM	78	71	32	26
8:35 AM	69	74	38	22
8:40 AM	81	69	28	23
8:45 AM	73	66	35	26
8:50 AM	60	72	32	16
8:55 AM	75	71	47	29
	36%	36%	29%	

	Left	Middle	Right
2- hour Total	1738	1772	1404
2- hour Average	**35%**	**36%**	**29%**

Barbur and Sheridan

	Northbound Through			
	Left	Middle	Right	Right Turn
7:00 AM	29	13	15	2
7:05 AM	29	17	21	4
7:10 AM	26	17	22	2
7:15 AM	35	21	27	4
7:20 AM	43	18	27	5
7:25 AM	45	24	37	3
7:30 AM	37	33	42	0
7:35 AM	46	35	37	4
7:40 AM	38	46	46	3
7:45 AM	32	44	40	1
7:50 AM	45	46	38	4
7:55 AM	47	45	54	6
	36%	29%	35%	

	Northbound Through			
	Left	Middle	Right	Right Turn
8:00 AM	43	31	34	6
8:05 AM	41	31	36	4
8:10 AM	43	43	39	5
8:15 AM	50	37	34	6
8:20 AM	42	43	33	6
8:25 AM	54	42	40	3
8:30 AM	44	42	41	9
8:35 AM	41	44	40	10
8:40 AM	59	29	32	2
8:45 AM	33	31	29	2
8:50 AM	60	26	28	4
8:55 AM	42	30	22	3
	38%	30%	32%	

	Left	Middle	Right
2- hour Total	1004	788	912
2- hour Average	**37%**	**29%**	**34%**

Attachment D: Travel Time Data

Average Travel Time

7-8 Average Travel Time (minutes)

Segment	Tuesday	Wednesday	Average
Capitol/Barbur to Harrison/Naito	08:09	06:38	07:24
Capitol/Barbur to 4th & Lincoln	06:36	05:41	06:09
Capitol/Barbur to Broadway/Grant	07:47	07:07	07:27
Natio/Harrison to Capitol/Barbur	04:53	04:50	04:52
Broadway/Grant to Capitol/Barbur	05:38	06:09	05:54
RI East to Broadway/Grant	09:16	09:07	09:12
Broadway/Grant to RI East	04:02	04:26	04:14
Barbur/Naito to Naito/Harrison	04:36	04:15	04:25
Barbur/Naito to 4th/Lincoln	03:08	02:42	02:55
Barbur/Natio to Broadway/Grant	03:58	03:36	03:47
Barbur/Natio to RI East	02:49	02:56	02:53

8-9 Average Travel Time (minutes)

Segment	Tuesday	Wednesday	Average
Capitol/Barbur to Harrison/Naito	07:50	08:35	08:13
Capitol/Barbur to 4th & Lincoln	06:23	06:33	06:28
Capitol/Barbur to Broadway/Grant	06:11	07:05	06:38
Natio/Harrison to Capitol/Barbur	04:29	04:02	04:15
Broadway/Grant to Capitol/Barbur	04:59	05:37	05:18
RI East to Broadway/Grant	07:30	07:37	07:34
Broadway/Grant to RI East	04:08	04:30	04:19
Barbur/Naito to Naito/Harrison	04:26	05:24	04:55
Barbur/Naito to 4th/Lincoln	03:26	03:07	03:17
Barbur/Natio to Broadway/Grant	04:14	04:38	04:26
Barbur/Natio to RI East	03:08	03:14	03:11

Tuesday Travel Time

6:00:00	10:00:00	Travel Time (minutes)					
Paths	Number of Trips	Minimum	Median	Mean	Maximum	85th Percentile	95th Percentile
Capitol/Barbur to Harrison/Naito	71	3.0	7.40	7.42	17.37	9.85	10.83
Capitol/Barbur to 4th & Lincoln	65	3.4	5.75	6.17	10.22	7.83	9.36
Capitol/Barbur to Broadway/Grant	39	3.6	6.28	7.30	20.22	9.26	14.66
Natio/Harrison to Capitol/Barbur	42	2.8	4.03	4.71	14.93	5.21	11.84
Broadway/Grant to Capitol/Barbur	37	3.0	5.15	5.10	8.48	6.14	6.61
RI East to Broadway/Grant	144	1.1	6.72	7.64	23.17	10.01	14.48
Broadway/Grant to RI East	45	1.1	3.65	3.85	7.98	4.69	6.18
Barbur/Naito to Naito/Harrison	96	1.1	3.34	3.59	10.78	5.61	6.15
Barbur/Naito to 4th/Lincoln	102	1.3	2.80	3.08	12.47	4.18	5.03
Barbur/Natio to Broadway/Grant	54	1.4	3.29	4.18	13.98	6.16	10.43
Barbur/Natio to RI East	37	1.5	2.58	2.75	6.53	3.32	3.90

Tuesday Travel Time

6:00:00	7:00:00	Travel Time (minutes)					
Paths	Number of Trips	Minimum	Median	Mean	Maximum	85th Percentile	95th Percentile
Capitol/Barbur to Harrison/Naito	NA	NA	NA	NA	NA	NA	NA
Capitol/Barbur to 4th & Lincoln	NA	NA	NA	NA	NA	NA	NA
Capitol/Barbur to Broadway/Grant	NA	NA	NA	NA	NA	NA	NA
Natio/Harrison to Capitol/Barbur	NA	NA	NA	NA	NA	NA	NA
Broadway/Grant to Capitol/Barbur	NA	NA	NA	NA	NA	NA	NA
RI East to Broadway/Grant	40	2.6	5.25	7.23	23.17	11.04	19.43
Broadway/Grant to RI East	8	3.1	3.68	3.78	4.60	4.21	4.47
Barbur/Naito to Naito/Harrison	19	1.4	2.05	2.06	2.93	2.54	2.83
Barbur/Naito to 4th/Lincoln	12	1.6	2.43	2.41	3.05	2.77	2.95
Barbur/Natio to Broadway/Grant	6	1.4	2.57	2.41	2.80	2.77	2.79
Barbur/Natio to RI East	3	1.5	2.00	1.87	2.10	2.07	2.09

Tuesday Travel Time

7:00:00	8:00:00	Travel Time (minutes)					
Paths	Number of Trips	Minimum	Median	Mean	Maximum	85th Percentile	95th Percentile
Capitol/Barbur to Harrison/Naito	31	4.3	8.12	8.15	17.37	10.08	10.87
Capitol/Barbur to 4th & Lincoln	25	3.9	6.20	6.60	10.22	8.68	10.15
Capitol/Barbur to Broadway/Grant	13	5.0	7.25	7.78	12.62	9.75	11.39
Natio/Harrison to Capitol/Barbur	14	3.0	4.12	4.89	14.93	5.31	8.77
Broadway/Grant to Capitol/Barbur	9	4.1	5.32	5.63	8.48	6.34	7.64
RI East to Broadway/Grant	33	5.2	8.22	9.26	23.02	11.63	16.29
Broadway/Grant to RI East	11	1.3	3.68	4.03	7.45	5.04	6.28
Barbur/Naito to Naito/Harrison	34	2.0	4.51	4.59	10.78	6.14	6.46
Barbur/Naito to 4th/Lincoln	40	1.3	2.97	3.13	5.88	4.46	5.27
Barbur/Natio to Broadway/Grant	19	2.2	3.50	3.97	10.10	4.74	7.32
Barbur/Natio to RI East	11	2.2	3.00	2.82	3.33	3.32	3.32

Tuesday Travel Time

8:00:00	9:00:00	Travel Time (minutes)					
Paths	Number of Trips	Minimum	Median	Mean	Maximum	85th Percentile	95th Percentile
Capitol/Barbur to Harrison/Naito	25	4.7	7.68	7.83	16.85	9.28	10.80
Capitol/Barbur to 4th & Lincoln	27	3.8	6.30	6.38	9.47	7.84	8.71
Capitol/Barbur to Broadway/Grant	18	4.2	5.47	6.18	14.42	6.91	9.12
Natio/Harrison to Capitol/Barbur	19	2.8	3.58	4.48	12.03	4.99	8.55
Broadway/Grant to Capitol/Barbur	13	3.0	5.27	4.99	6.32	5.96	6.21
RI East to Broadway/Grant	40	1.1	7.26	7.50	13.03	9.79	11.86
Broadway/Grant to RI East	11	1.1	4.27	4.13	6.45	4.83	5.66
Barbur/Naito to Naito/Harrison	26	1.7	4.97	4.43	6.10	5.57	6.08
Barbur/Naito to 4th/Lincoln	35	1.6	3.15	3.43	12.47	4.24	4.66
Barbur/Natio to Broadway/Grant	19	1.4	3.00	4.24	13.98	7.35	11.33
Barbur/Natio to RI East	13	1.6	2.88	3.13	6.53	3.90	5.10

Tuesday Travel Time

9:00:00	10:00:00	Travel Time (minutes)					
Paths	Number of Trips	Minimum	Median	Mean	Maximum	85th Percentile	95th Percentile
Capitol/Barbur to Harrison/Naito	15	3.0	5.10	5.22	8.23	6.00	8.06
Capitol/Barbur to 4th & Lincoln	13	3.4	4.97	4.89	7.20	6.28	6.95
Capitol/Barbur to Broadway/Grant	8	3.6	7.08	9.05	20.22	16.40	19.04
Natio/Harrison to Capitol/Barbur	9	2.8	3.93	4.90	13.97	4.52	10.23
Broadway/Grant to Capitol/Barbur	15	3.5	4.78	4.87	6.87	5.75	6.65
RI East to Broadway/Grant	31	4.0	6.17	6.61	10.42	8.62	10.05
Broadway/Grant to RI East	15	1.1	3.35	3.55	7.98	4.06	5.35
Barbur/Naito to Naito/Harrison	17	1.1	2.05	2.03	3.23	2.33	2.81
Barbur/Naito to 4th/Lincoln	15	1.3	2.25	2.63	4.90	4.14	4.62
Barbur/Natio to Broadway/Grant	10	2.0	4.25	5.55	13.95	8.24	11.90
Barbur/Natio to RI East	10	2.0	2.47	2.43	2.67	2.63	2.66

Tuesday Travel Time

7:45:00	8:45:00	Travel Time (minutes)					
Paths	Number of Trips	Minimum	Median	Mean	Maximum	85th Percentile	95th Percentile
Capitol/Barbur to Harrison/Naito	31	5.5	8.40	8.72	16.85	10.08	11.02
Capitol/Barbur to 4th & Lincoln	32	3.8	7.07	7.02	10.22	8.79	10.07
Capitol/Barbur to Broadway/Grant	19	5.0	6.28	7.47	14.42	9.85	12.80
Natio/Harrison to Capitol/Barbur	18	2.8	4.07	4.38	12.03	4.58	6.69
Broadway/Grant to Capitol/Barbur	15	3.0	4.75	4.93	6.38	6.09	6.34
RI East to Broadway/Grant	32	1.1	7.61	8.30	23.02	9.59	12.99
Broadway/Grant to RI East	10	1.1	4.44	4.48	7.45	5.94	7.00
Barbur/Naito to Naito/Harrison	33	2.5	5.15	5.15	6.62	6.09	6.27
Barbur/Naito to 4th/Lincoln	48	1.6	3.38	3.48	12.47	4.25	5.25
Barbur/Natio to Broadway/Grant	23	1.4	3.50	4.82	13.98	7.39	10.94
Barbur/Natio to RI East	15	1.9	3.03	3.19	6.53	3.79	4.87

Tuesday Travel Time

7:00:00	9:00:00	Travel Time (minutes)					
Paths	Number of Trips	Minimum	Median	Mean	Maximum	85th Percentile	95th Percentile
Capitol/Barbur to Harrison/Naito	56	4.3	7.80	8.01	17.37	10.03	11.00
Capitol/Barbur to 4th & Lincoln	52	3.8	6.26	6.49	10.22	8.56	9.69
Capitol/Barbur to Broadway/Grant	31	4.2	6.08	6.85	14.42	8.66	11.59
Natio/Harrison to Capitol/Barbur	33	2.8	4.10	4.66	14.93	5.33	9.71
Broadway/Grant to Capitol/Barbur	22	3.0	5.29	5.25	8.48	6.15	6.38
RI East to Broadway/Grant	73	1.1	7.72	8.30	23.02	10.19	13.23
Broadway/Grant to RI East	22	1.1	3.88	4.08	7.45	4.97	6.38
Barbur/Naito to Naito/Harrison	60	1.7	4.68	4.52	10.78	6.01	6.30
Barbur/Naito to 4th/Lincoln	75	1.3	3.00	3.27	12.47	4.25	5.23
Barbur/Natio to Broadway/Grant	38	1.4	3.29	4.10	13.98	6.04	10.24
Barbur/Natio to RI East	24	1.6	2.94	2.99	6.53	3.39	4.10

Wednesday Travel Time

6:00:00	10:00:00	Travel Time (minutes)					
Paths	Number of Trips	Minimum	Median	Mean	Maximum	85th Percentile	95th Percentile
Capitol/Barbur to Harrison/Naito	77	2.9	6.25	6.72	16.07	8.91	10.11
Capitol/Barbur to 4th & Lincoln	66	3.0	5.69	5.87	12.82	7.68	8.19
Capitol/Barbur to Broadway/Grant	53	3.0	6.52	6.83	21.75	8.34	10.33
Natio/Harrison to Capitol/Barbur	37	2.9	3.95	4.24	12.27	4.62	6.81
Broadway/Grant to Capitol/Barbur	25	3.4	5.45	5.64	9.62	7.00	8.34
RI East to Broadway/Grant	136	3.1	6.98	7.49	23.50	9.96	11.81
Broadway/Grant to RI East	39	1.1	3.97	4.26	8.57	5.93	6.21
Barbur/Naito to Naito/Harrison	103	1.3	3.75	3.91	11.83	5.74	6.23
Barbur/Naito to 4th/Lincoln	101	1.0	2.68	2.76	12.90	3.47	4.00
Barbur/Natio to Broadway/Grant	72	1.9	3.81	4.06	11.95	5.53	6.08
Barbur/Natio to RI East	37	1.7	2.73	2.86	6.02	3.33	4.59

Wednesday Travel Time

6:00:00	7:00:00	Travel Time (minutes)					
Paths	Number of Trips	Minimum	Median	Mean	Maximum	85th Percentile	95th Percentile
Capitol/Barbur to Harrison/Naito	16	3.8	4.82	4.97	6.50	5.46	6.19
Capitol/Barbur to 4th & Lincoln	9	3.0	4.80	4.66	5.83	5.55	5.73
Capitol/Barbur to Broadway/Grant	6	3.9	4.55	4.45	4.88	4.85	4.87
Natio/Harrison to Capitol/Barbur	7	3.6	3.95	4.07	4.62	4.62	4.62
Broadway/Grant to Capitol/Barbur	3	4.6	5.75	5.83	7.12	6.71	6.98
RI East to Broadway/Grant	39	3.1	4.90	5.73	19.27	7.72	9.39
Broadway/Grant to RI East	4	2.8	3.42	3.73	5.23	4.46	4.98
Barbur/Naito to Naito/Harrison	24	1.4	2.11	2.07	2.92	2.29	2.75
Barbur/Naito to 4th/Lincoln	16	1.0	2.05	2.02	3.02	2.45	2.89
Barbur/Natio to Broadway/Grant	7	2.0	2.07	2.25	2.70	2.56	2.66
Barbur/Natio to RI East	3	1.9	1.98	1.97	2.00	1.99	2.00

Wednesday Travel Time

7:00:00	8:00:00	Travel Time (minutes)					
Paths	Number of Trips	Minimum	Median	Mean	Maximum	85th Percentile	95th Percentile
Capitol/Barbur to Harrison/Naito	20	2.9	6.27	6.64	14.33	8.06	9.22
Capitol/Barbur to 4th & Lincoln	14	3.5	5.68	5.69	8.22	7.65	8.11
Capitol/Barbur to Broadway/Grant	13	4.1	5.90	7.12	21.75	7.47	13.31
Natio/Harrison to Capitol/Barbur	8	3.0	4.21	4.83	9.83	4.93	8.13
Broadway/Grant to Capitol/Barbur	4	4.3	5.84	6.15	8.62	7.70	8.31
RI East to Broadway/Grant	38	3.9	8.64	9.12	22.78	11.05	15.96
Broadway/Grant to RI East	6	1.1	4.88	4.43	8.57	6.60	7.91
Barbur/Naito to Naito/Harrison	35	1.8	4.07	4.24	11.83	5.11	5.61
Barbur/Naito to 4th/Lincoln	29	1.3	2.87	2.70	3.70	3.28	3.61
Barbur/Natio to Broadway/Grant	26	2.0	3.48	3.60	5.78	4.75	5.09
Barbur/Natio to RI East	16	2.1	3.00	2.94	3.50	3.27	3.40

Wednesday Travel Time

8:00:00	9:00:00	Travel Time (minutes)					
Paths	Number of Trips	Minimum	Median	Mean	Maximum	85th Percentile	95th Percentile
Capitol/Barbur to Harrison/Naito	26	5.4	8.64	8.59	16.07	10.08	10.35
Capitol/Barbur to 4th & Lincoln	26	4.0	6.42	6.56	12.82	7.92	8.10
Capitol/Barbur to Broadway/Grant	23	3.0	7.45	7.08	10.68	8.34	8.77
Natio/Harrison to Capitol/Barbur	8	3.0	4.00	4.03	6.05	4.34	5.46
Broadway/Grant to Capitol/Barbur	10	3.9	5.64	5.62	7.22	6.78	7.08
RI East to Broadway/Grant	31	5.3	7.47	7.62	10.18	9.37	9.92
Broadway/Grant to RI East	16	3.3	4.19	4.51	6.57	5.72	6.14
Barbur/Naito to Naito/Harrison	30	3.9	5.60	5.40	6.75	6.22	6.56
Barbur/Naito to 4th/Lincoln	29	1.5	3.02	3.12	4.30	3.89	4.17
Barbur/Natio to Broadway/Grant	27	2.2	5.13	4.64	7.48	5.82	6.15
Barbur/Natio to RI East	10	2.2	2.67	3.23	6.02	4.54	5.36

Wednesday Travel Time

9:00:00	10:00:00	Travel Time (minutes)					
Paths	Number of Trips	Minimum	Median	Mean	Maximum	85th Percentile	95th Percentile
Capitol/Barbur to Harrison/Naito	15	3.0	5.47	5.46	8.27	6.35	7.81
Capitol/Barbur to 4th & Lincoln	17	3.4	5.53	5.59	8.92	6.62	8.78
Capitol/Barbur to Broadway/Grant	11	4.0	6.53	7.24	12.07	9.83	11.08
Natio/Harrison to Capitol/Barbur	14	2.9	3.23	4.11	12.27	4.53	7.41
Broadway/Grant to Capitol/Barbur	8	3.4	4.78	5.34	9.62	6.00	8.36
RI East to Broadway/Grant	28	4.6	6.38	7.56	23.50	9.22	11.00
Broadway/Grant to RI East	13	1.3	3.90	4.04	6.17	5.19	6.16
Barbur/Naito to Naito/Harrison	14	1.3	3.23	3.01	5.08	3.75	4.42
Barbur/Naito to 4th/Lincoln	27	1.4	2.35	2.89	12.90	3.09	5.58
Barbur/Natio to Broadway/Grant	12	1.9	4.47	4.84	11.95	6.07	9.40
Barbur/Natio to RI East	8	1.7	2.17	2.57	4.68	3.16	4.16

Wednesday Travel Time

7:45:00	8:45:00	Travel Time (minutes)					
Paths	Number of Trips	Minimum	Median	Mean	Maximum	85th Percentile	95th Percentile
Capitol/Barbur to Harrison/Naito	19	5.4	7.98	8.29	16.07	9.24	10.68
Capitol/Barbur to 4th & Lincoln	24	4.0	6.53	6.70	12.82	8.00	8.20
Capitol/Barbur to Broadway/Grant	19	3.0	7.35	7.59	21.75	7.84	10.08
Natio/Harrison to Capitol/Barbur	10	3.0	4.09	4.62	9.83	5.46	8.13
Broadway/Grant to Capitol/Barbur	11	3.9	5.55	5.58	7.22	6.72	7.07
RI East to Broadway/Grant	36	5.3	8.16	9.23	22.78	10.59	16.11
Broadway/Grant to RI East	13	3.8	4.42	5.10	8.57	6.11	7.37
Barbur/Naito to Naito/Harrison	28	3.7	4.95	5.09	6.75	6.15	6.60
Barbur/Naito to 4th/Lincoln	33	1.5	3.08	3.04	4.30	3.77	4.01
Barbur/Natio to Broadway/Grant	27	2.3	4.02	4.14	5.82	5.38	5.76
Barbur/Natio to RI East	15	2.1	2.73	3.02	6.02	3.49	5.00

Wednesday Travel Time

7:00:00	9:00:00	Travel Time (minutes)					
Paths	Number of Trips	Minimum	Median	Mean	Maximum	85th Percentile	95th Percentile
Capitol/Barbur to Harrison/Naito	46	2.9	7.47	7.74	16.07	9.66	10.35
Capitol/Barbur to 4th & Lincoln	40	3.5	6.12	6.25	12.82	7.92	8.12
Capitol/Barbur to Broadway/Grant	36	3.0	6.87	7.09	21.75	8.20	9.26
Natio/Harrison to Capitol/Barbur	16	3.0	4.09	4.43	9.83	4.81	7.00
Broadway/Grant to Capitol/Barbur	14	3.9	5.64	5.77	8.62	6.93	7.71
RI East to Broadway/Grant	69	3.9	7.82	8.45	22.78	10.22	13.68
Broadway/Grant to RI East	22	1.1	4.24	4.49	8.57	5.94	6.54
Barbur/Naito to Naito/Harrison	65	1.8	4.75	4.78	11.83	6.04	6.34
Barbur/Naito to 4th/Lincoln	58	1.3	2.95	2.91	4.30	3.68	4.00
Barbur/Natio to Broadway/Grant	53	2.0	4.00	4.13	7.48	5.60	5.89
Barbur/Natio to RI East	26	2.1	2.82	3.05	6.02	3.40	4.55