

Exhibit F: Traffic Impact Analysis

FOR LAND USE PERMITTING (EXHIBIT B)

The logo for DKS Associates, consisting of the letters 'DKS' in a bold, white, sans-serif font inside a black square.

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Suite 500
Portland, OR 97205
dksassociates.com

MEMORANDUM

DATE: July 2, 2020

TO: Matthew Hickey, P.E. | Murraysmith

FROM: Brian Copeland, P.E. | DKS Associates

SUBJECT: WWSP Water Treatment Plant (WTP_1.0) or (WTP) – Traffic Analysis Memo

P19021-000

The Willamette Water Supply System (WWSS) will include a new Water Treatment Plant (WTP_1.0) located in the City of Sherwood, Oregon (see Figure 1). The planned access to the site during construction will be along SW 124th Avenue south of SW Tualatin-Sherwood Road. Facilities impacted during construction of the WTP are SW 124th Avenue, SW Tualatin-Sherwood Road, and SW Tonquin Road. This memorandum discusses the potential impacts to transportation facilities during WTP site construction and provides traffic control strategies to minimize impacts to the surrounding transportation system. The memorandum contains the following sections: Existing Transportation Conditions, Project Impacts, Proposed Traffic Control Strategies, Permanent Traffic Impacts during Operations and Appendices.

EXISTING TRANSPORTATION CONDITIONS

This section summarizes existing transportation conditions within the project vicinity, including existing transportation network characteristics and traffic volumes. The study area includes the following facilities:

- SW 124th Avenue
- SW Tualatin-Sherwood Road (TSR)
- SW Tonquin Road
- SW Blake Street (Proposed site access)

Existing Transportation Network

Table 1 summarizes the transportation network characteristics including roadway jurisdiction, functional class, posted speed limit, number of lanes, lane widths, transit facilities, and pedestrian and bicycle characteristics for each roadway that may be impacted by the WTP construction.

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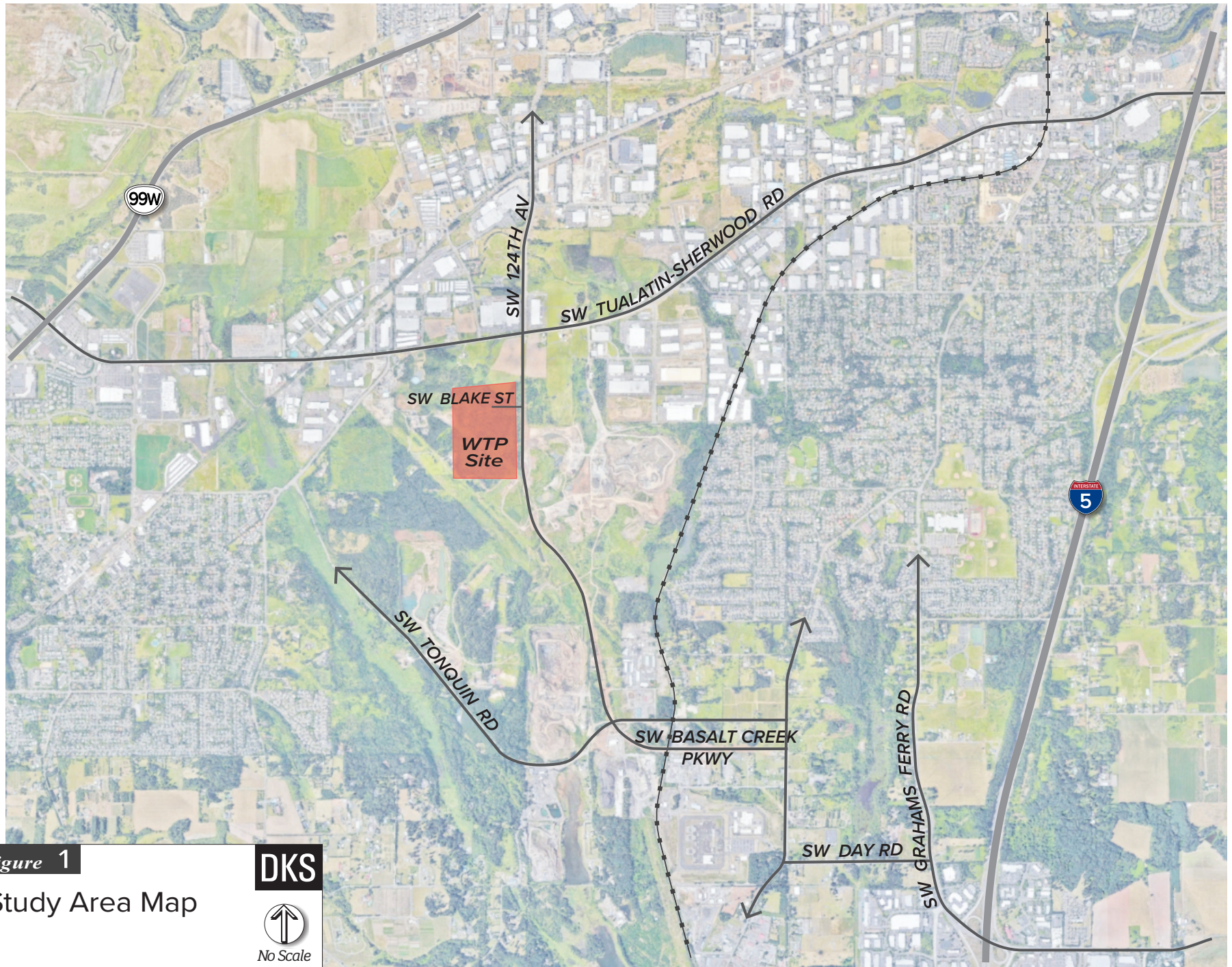


Figure 1
Study Area Map

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Table 1. Roadway Inventory Characteristics

Roadway	Roadway Jurisdiction	Functional Class ¹	Posted Speed (mph)	Number of Travel Lanes	Lane Widths (ft)	Bike Lane	Transit Route	Sidewalk
SW 124th Avenue	Washington County	Minor Arterial	45	2 (1 in each direction)	12	Yes	No	No
SW Tualatin-Sherwood Road	Washington County	Principal Arterial	45	2 (1 in each direction)	12	Yes	No	No
SW Tonquin Road	Washington County	Minor Arterial	45	2 (1 in each direction)	12	No	No	No
SW Blake Street*	Washington County	Local	-	-	-	-	-	-

*Future Street

Existing Traffic Volumes

Turn movement counts were collected at the intersections below during the weekday morning peak period (7 to 9 AM) and evening peak period (4 to 6 PM) for use in assessing construction impacts to the existing transportation system:

- SW Tualatin-Sherwood Road/ SW 124th Avenue
- SW Tualatin-Sherwood Road/ SW Tonquin Road

Existing AM and PM peak traffic volumes for the study intersections are shown in Figure 2.

To supplement the intersection counts, 24-hour bi-directional counts were obtained along SW 124th Avenue south of TSR for both the weekday and weekend. Based on the traffic data collected, SW 124th Avenue carries approximately 7,500 vehicles per day during the weekday and 5,000 per day during the weekend. Heavy vehicle traffic accounts for 3.5 and 7 percent of the total traffic on SW 124th Avenue during the weekend and weekday, respectively. Figures 3 and 4 show traffic volume profiles along SW 124th Avenue for both weekday and weekend periods. These figures show distinct peaks in traffic during the morning and afternoon commuting periods on weekdays, and at midday on the weekend. The raw data for all traffic counts is included in Appendix A.²

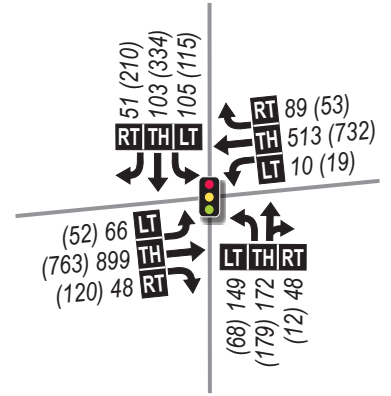
¹ Source: Oregon Transportation Map Showing Federal Functional Classification of Roads City of Sherwood (2018 ed.)

² Turn movement and 24-hour counts were collected by Key Data Network on Wednesday 6/26/19, Thursday 6/27/19, and Saturday 8/24/19

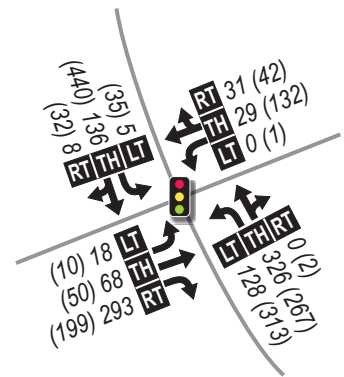
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1 SW 124th Ave. @ SW Tualatin-Sherwood Rd.



2 SW 124th Ave. @ SW Tonquin Rd.



- LEGEND**
- Traffic Signal
 - Lane Configuration
 - AM (PM)** - Peak Hour Traffic Volumes
 - LT TH RT** - Volume Turn Movement
Left-Thru-Right

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Figure 2

Existing AM/PM Peak Hour Traffic Volumes

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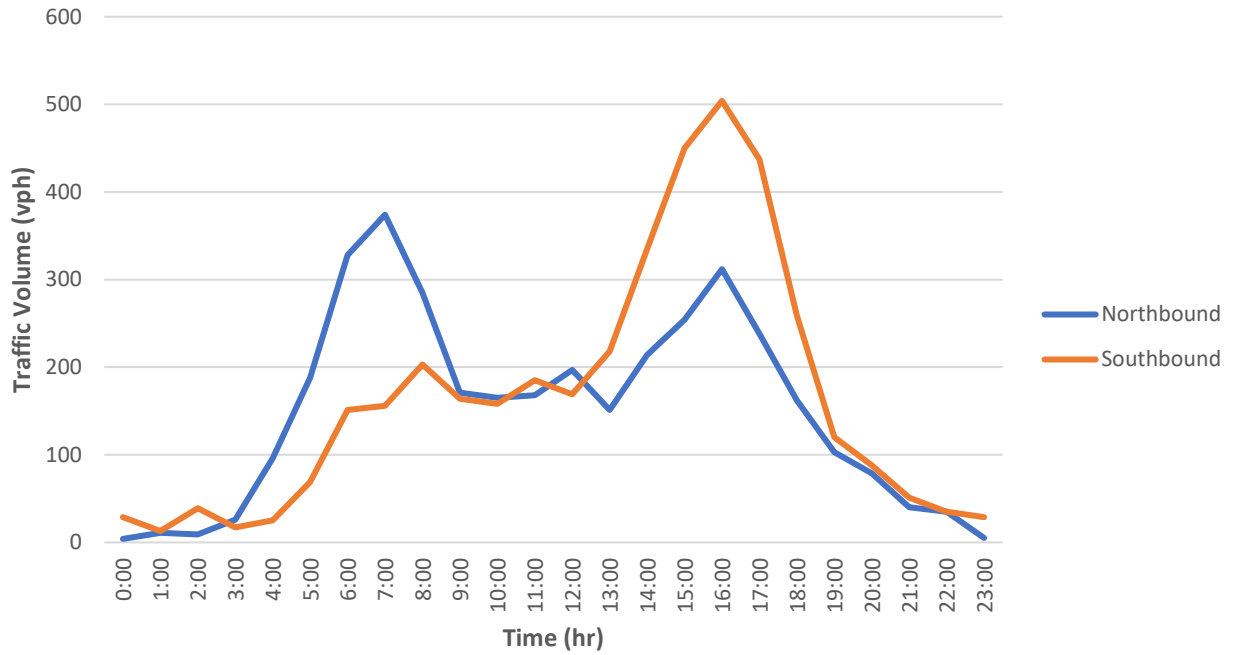


Figure 3. Weekday Volume Profile along SW 124th Avenue

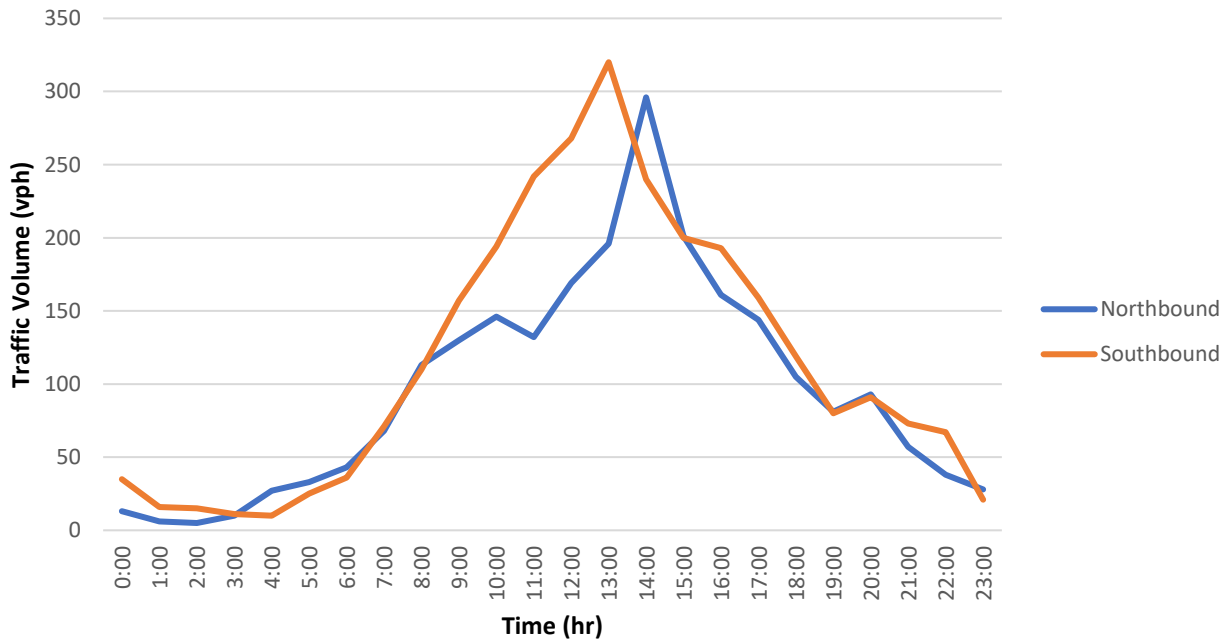


Figure 4. Weekend Volume Profile along SW 124th Avenue

Existing Vehicle Speeds

Twenty-four-hour bi-directional motor vehicle speed classification counts were obtained along SW 124th Avenue. As shown in Table 2, the observed 85th-percentile speeds in both directions of SW 124th Avenue were measured to be between 53-54 MPH during the week and 56-61 MPH during the weekend. The raw vehicle speed data is included in Appendix B.³

Table 2. Existing 85th-Percentile Speed on SW 124th Avenue

	Weekday		Weekend	
	Northbound	Southbound	Northbound	Southbound
85th Percentile Speed (MPH)	53	54	56	61

Existing Capacity Analysis

Intersection traffic operations were analyzed using Synchro 10 software. 2010 *Highway Capacity Manual (HCM 2010)* methodology was applied for two-way stop controlled (TWSC) intersections while the 2000 *Highway Capacity Manual (HCM 2000)* methodology was applied for signalized intersections. The analysis was conducted at the two existing study intersections using weekday traffic volumes for existing 2019 volumes. The T-S Corporate Park project is being planned and constructed on the northwest quadrant of SW 124th Avenue/SW Blake Street. For the purposes of this analysis, it was assumed that construction would be completed prior to WTP construction. Therefore, the estimated volumes from this development were added to the existing traffic volumes for the analysis.⁴ Performance measures used for this analysis include volume-to-capacity (V/C) ratio, seconds of control delay, and level of service (LOS). These performance measures were compared to Washington County’s mobility standards.⁵

Intersection Performance Measures

Level of service (LOS) and volume-to-capacity (V/C) ratios are two commonly used performance measures that provide a gauge of intersection operations. In addition, they are often incorporated into agency mobility standards. Descriptions are given below:

- Level of service (LOS): A “report card” rating (A through F) based on the Average delay experienced by vehicles at the intersection. LOS A, B, and C indicate conditions where traffic moves without significant delays over periods of peak hour travel demand. LOS D and E are progressively worse operating conditions. LOS F represents conditions where Average vehicle delay has become excessive and demand has exceeded capacity. This condition is typically evident in long queues and delays.
- Volume-to-capacity (V/C) ratio: A decimal representation (between 0.00 and 1.00) of the proportion of capacity that is being used (i.e., the saturation) at a turn movement, approach leg, or intersection. It is determined by dividing the peak hour traffic volume by the hourly capacity of a given intersection or movement. A lower ratio indicates smooth operations and minimal delays. As the ratio approaches 1.00, congestion increases, and performance is reduced. If the ratio is greater than 1.00, the turn

³ Vehicle speed data was collected by Key Data Network June 27, 2019

⁴ T-S Corporate Park – Traffic Impact Analysis, prepared by Kittelson & Associates, January 2020.

⁵ Table 4: Interim Washington County Motor Vehicle Performance Measures on pg. 34 in *Washington County Transportation System Plan*

movement, approach leg, or intersection is oversaturated and usually results in excessive queues and long delays.

Existing (2019) Motor Vehicle Operations

The results of analysis for existing motor vehicle operation are summarized in Table 3.

Table 3. Existing (2019) Intersection Operations

Intersection	County Standard	AM Peak Hour			PM Peak Hour		
	Peak V/C / Second Highest V/C	V/C	LOS	Delay (seconds)	V/C	LOS	Delay (seconds)
SW Tualatin-Sherwood Road/ SW 124 th Avenue	0.99 / 0.9	0.85	C	33.5	0.85	D	42.0
SW Tualatin-Sherwood Road/ SW Tonquin Road	0.99 / 0.9	0.43	B	10.4	0.66	C	20.6

During the AM and PM peak hours, both existing study intersections operate within jurisdictional standards. Both existing study intersections operate with a LOS of “D” or better and v/c ratios of 0.83 or less, indicating that they have a significant amount of reserve capacity to accommodate temporary construction traffic before exceeding jurisdictional standards. HCM reports for these intersections can be found in Appendix C.

Field Observations

A field visit was conducted on September 25, 2019 during weekday PM peak hour conditions. There were no significant vehicle queues observed at the intersection on SW Tualatin-Sherwood Road/ SW Tonquin Road, and all the observed traffic traveled through the intersection during a single cycle. At the intersection at SW Tualatin-Sherwood Road/ SW 124th Avenue, significant queuing was observed along TSR, and often times it took multiple signal cycles for vehicles to clear the intersection. In some instances, vehicles were unable to travel through the intersection during their green phase due to downstream queuing. Pedestrians were not observed using any of the study streets and/or intersections, but two cyclists were observed using the bike lane along SW 124th Avenue.

PROJECT IMPACTS

Project Overview

The WTP will be built on 20 acres of land that has been annexed into the City of Sherwood.⁶ Access to the site’s two driveways will be via a proposed new street, SW Blake Street, which will intersect SW 124th Avenue from the west. The proposed SW Blake Street/ SW 124th Avenue intersection will be located approximately 1,000 feet south of the Tualatin-Sherwood Road/ SW 124th Avenue intersection, as shown on the Off-Site Utility Composite & Corridor Plan in Appendix D.⁷ Construction is anticipated to last about 2 years. All temporary construction traffic will enter and exit the site at the SW Blake Street/ SW 124th Avenue intersection.

⁶ “Water Treatment Plant.” *Willamette Water Supply Program*, <http://www.ourreliablewater.org/water-treatment-plant/>

⁷ Site plan by CDM Smith and Murraysmith.

Intersection Sight Distance

Intersection sight distance was evaluated at the proposed site access. Intersection sight distance is the amount of distance into an intersection a stopped vehicle at the intersection needs in order to decide if they can safely enter the intersection. Based on the highest 85th percentile speeds observed along SW 124th Ave the Washington County *Community Development Code* requires a minimum site distance of about 600 feet when entering SW 124th Avenue.⁸

The minimum sight distance requirements for the proposed SW Blake Street/ SW 124th Avenue intersection appear to be met in both directions along SW 124th Avenue as measured in the field and as shown on Figures 5 and 6. However, since the proposed SW Blake Street access has not yet been built the exact vehicle setback/driver height measurements had to be estimated. For this reason, available sight distance at the access should be confirmed during final design. A completed Preliminary Intersection Sight Distance Certification can be found in the Appendix E.



Figure 5. SW 124th Ave/SW Blake St looking north

⁸ Washington County, Oregon - Community Development Code. Article V – Public Facilities and Services.



Figure 6. SW 124th Ave/SW Blake St looking south

Estimated WTP Construction Traffic

The WTP construction traffic volumes were per information provided by Sundt Construction.⁹ WTP construction traffic includes craft and admin staff, along with concrete, aggregate and delivery trucks. Table 4 summarizes the construction traffic for each vehicle type during a day where the expected maximum number of vehicle trips would occur. All craft and admin staff were assumed to arrive at the site during the morning peak hour and exit the site during the evening peak period. It was assumed that trucks depart within the hour of arrival. As shown in Table 4, the construction traffic volume is expected to peak during the AM and PM peak hours as all admin and craft staff arrive from 6:00 AM.- 7:00 AM and depart from 5:00 PM - 6:00 PM.

⁹ Per 27-AUG-2019 email correspondence from CDM Smith design team.
WWSP Water Treatment Plant | Traffic Analysis Memo

Table 4. WTP Construction Trip Estimates

Time	Craft and Admin Staff	Concrete Trucks	Aggregate Trucks	Delivery Trucks	Total Trips
4:00	-	6 (in/out)	-	-	6
5:00	-	6 (in/out)	-	-	6
6:00	250 (in)	6 (in/out)	-	-	256
7:00	-	6 (in/out)	8 (in/out)	4 (in/out)	18
8:00	-	6 (in/out)	8 (in/out)	4 (in/out)	18
9:00	-	6 (in/out)	8 (in/out)	4 (in/out)	18
10:00	-	6 (in/out)	8 (in/out)	4 (in/out)	18
11:00	-	6 (in/out)	8 (in/out)	4 (in/out)	18
12:00	-	6 (in/out)	8 (in/out)	4 (in/out)	18
13:00	-	6 (in/out)	8 (in/out)	4 (in/out)	18
14:00	-	-	8 (in/out)	4 (in/out)	12
15:00	-	-	8 (in/out)	4 (in/out)	12
16:00	-	-	-	-	0
17:00	250 (out)	-	-	-	250
Total Trips	500	60	72	18	668

Distribution of Construction Traffic

As stated earlier in this memorandum, all construction traffic would enter and exit the site on SW Blake Street. Construction traffic was distributed onto the transportation network based on information per information provided by Sundt Construction.¹⁰ Assumed vehicle distribution is discussed below:

SW 124th Avenue and SW Tualatin-Sherwood Road

Approximately 75% of craft and admin staff—188 – would arrive from north of the WTP site from TSR. About 60% of these trips staff would arrive from the north (30% via I-5 South and 30% via Highway 99W). About 15% of these trips would arrive from the south via Highway 99W. No trucks would be routed to/from TSR.

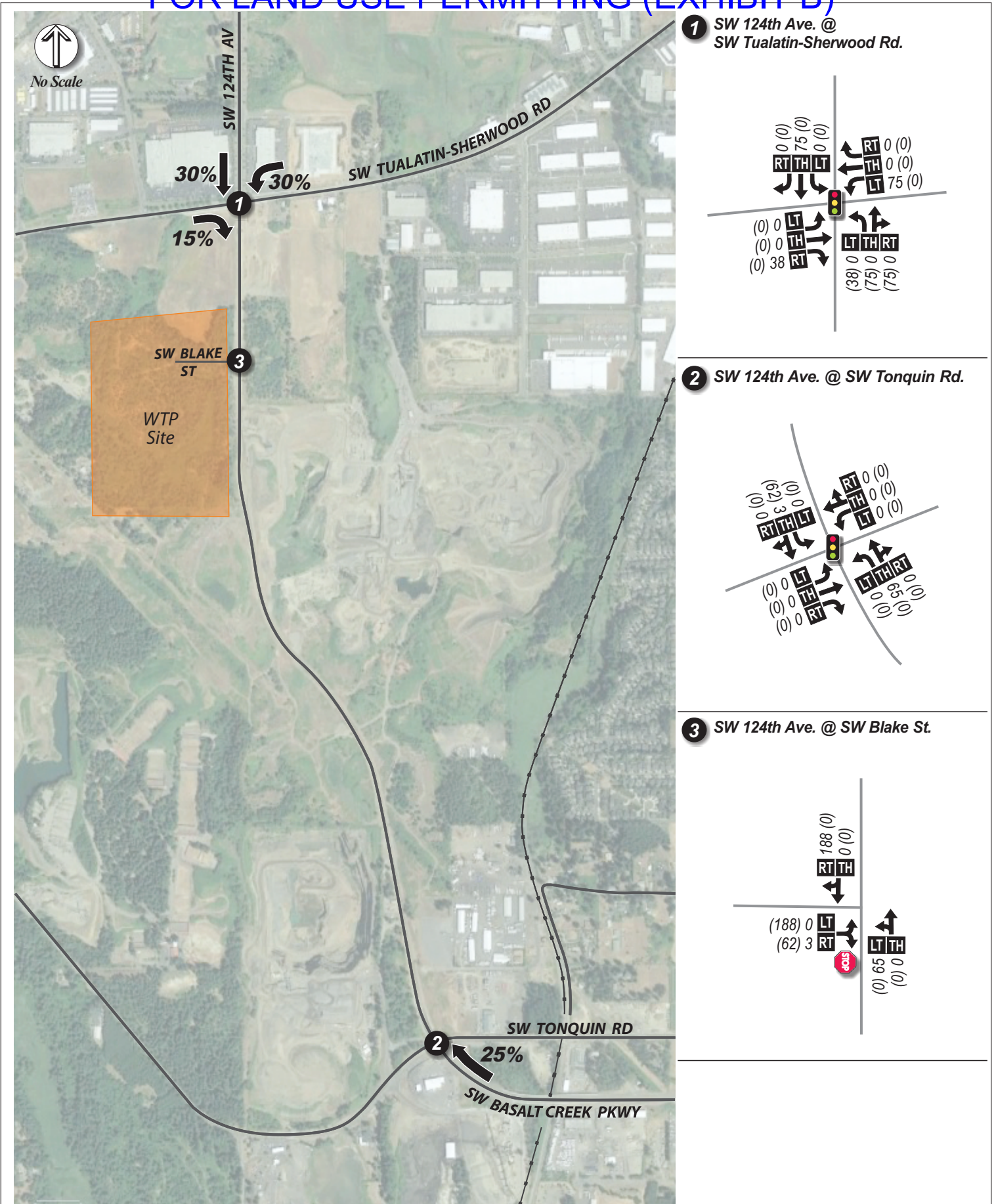
SW 124th Avenue and SW Tonquin Road

Approximately 25% of craft and admin staff—62 people—would arrive from south of the WTP site from SW Tonquin Road. About 15% of staff would arrive from the northwest via I-205/I-5/SW Ellingsen Road/SW Day Road/SW Graham Road/Basalt Creek Pkwy and about 10% from the south via I-5/SW Ellingsen Road/SW Day Road/SW Graham Road/Basalt Creek Pkwy. All trucks will be directed to enter from the SW Tonquin Road and SW 124th Avenue intersection with the same routes as craft and admin staff.

Figure 7 shows the expected traffic generated by construction activities during the AM and PM peak periods. Figure 8 shows the maximum total expected construction traffic during the AM and PM peak periods.

¹⁰ Per 27-AUG-2019 email correspondence from CDM Smith design team.
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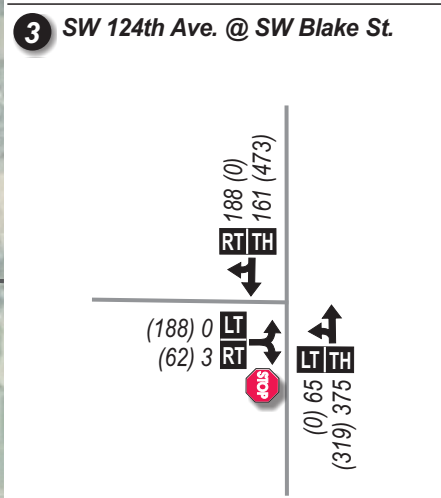
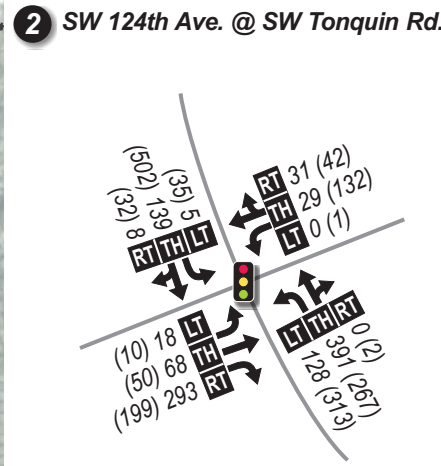
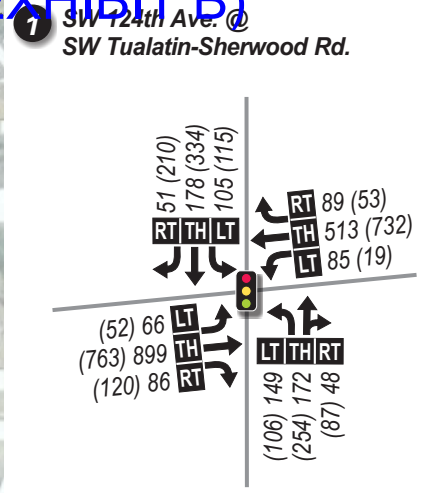
LEGEND

- Traffic Signal
- Stop Sign
- Lane Configuration
- AM (PM)* - Peak Hour Traffic Volumes
- Volume Turn Movement
Left•Thru•Right
- 00%** - Percentage of Construction Trips Generated

DKS **Figure 7**

AM/PM Peak Hour Construction Traffic Volumes and Distribution

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LEGEND

- Traffic Signal
- Stop Sign
- Lane Configuration
- AM (PM) - Peak Hour Traffic Volumes
- LT TH RT - Volume Turn Movement (Left-Thru-Right)
- 00% - Percentage of Construction Trips Generated

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Figure 8

AM/PM Peak Hour Existing (2019) Plus Construction Traffic Volumes

Intersection Operations During Construction

Traffic operating conditions were analyzed at the study intersections to determine the impacts associated with the additional estimated WTP construction traffic. Again, the estimated traffic volumes for the planned T-S Corporate Park development are included in the WTP Construction scenario. Tables 5 through 7 show the results of the analysis, comparing the V/C, LOS and Delay of the subject intersections before and during WTP construction. While the V/C would increase with expected WTP construction trips, all intersections would still meet County standards. The HCM reports for this analysis can be found in the Appendix F.

Table 5. WTP Construction Traffic Impacts to V/C

Intersection	AM Peak Hour		PM Peak Hour	
	Existing V/C	During Construction V/C	Existing V/C	During Construction V/C
SW 124 th Avenue & TSR	0.85	0.90	0.85	0.87
SW 124 th Avenue & SW Tonquin Road	0.43	0.48	0.66	0.68
SW 124 th Avenue & SW Blake Street*	n/a	0.06	n/a	0.77

Note: * V/C ratio, LOS and delay reported as the intersection Average at signalized locations and worst stop-controlled approach at unsignalized locations.

Table 6. WTP Construction Traffic Impacts to LOS

Intersection	AM Peak Hour		PM Peak Hour	
	Existing LOS	During Construction LOS	Existing LOS	During Construction LOS
SW 124 th Avenue & TSR	C	D	D	D
SW 124 th Avenue & SW Tonquin Road	B	B	C	C
SW 124 th Avenue & SW Blake Street*	n/a	A	n/a	E

Note: * V/C ratio, LOS and delay reported as the intersection Average at signalized locations and worst stop-controlled approach at unsignalized locations.

Table 7. WTP Construction Traffic Impacts to Delay

Intersection	AM Peak Hour		PM Peak Hour	
	Existing Delay (seconds)	During Construction Delay (seconds)	Existing Delay (seconds)	During Construction Delay (seconds)
SW 124 th Avenue & TSR	33.5	46.8	42.0	47.5
SW 124 th Avenue & SW Tonquin Road	10.4	10.7	20.6	21.8
SW 124 th Avenue & SW Blake Street*	n/a	9.8	n/a	42.6

Note: * V/C ratio, LOS and delay reported as the intersection Average at signalized locations and worst stop-controlled approach at unsignalized locations.

Proposed Intersection Signal Warrant Analysis

A signal warrant analysis was performed for the proposed intersection at SW 124th Avenue/ SW Blake Street to confirm if a traffic signal would be warranted during construction. For this analysis, the MUTCD¹¹ warrants #1 through #9 were assessed using temporary traffic volumes during construction. The results are summarized in Table 8. Based on the warrant analysis, none of the warrants would be met at the proposed intersection during the WTP construction. See Appendix G for signal warrant worksheets.

Table 8. Traffic Signal Warrant Analysis Summary

Warrant	SW 124 th Avenue/ SW Blake Street
Warrant 1: Eight-Hour Vehicular Volume	No
Warrant 2: Four-Hour Vehicular Volume	No
Warrant 3: Peak Hour	No
Warrant 4: Pedestrian Volume	No
Warrant 5: School Crossing	n/a
Warrant 6: Coordinated Signal System	n/a
Warrant 7: Crash Experience	n/a
Warrant 8: Roadway Network	n/a
Warrant 9: Intersection Near a Grade Crossing	n/a

Proposed Intersection Turn Lane Analysis

The need for a northbound left turn lane at the proposed site access was evaluated using AASHTO guidelines. With the addition of construction traffic, conditions for a recommended left-turn lane would not be met. Furthermore, the operational analysis showed that SW 124th Avenue/ SW Blake Street will operate within County standards without a northbound left-turn lane. The Washington County Transportation System plan has designated SW 124th Avenue as a potential arterial roadway and freight route in the future. Future realignment and/or widening of SW 124th Avenue is not expected to overlap with or impact the new Water Treatment Plant (WTP_1.0).

PROPOSED TRAFFIC CONTROL STRATEGIES

Based on the analysis results included in this memorandum, traffic generated by the proposed WTP construction is not expected to create significant operational impacts. With the addition of estimated construction traffic, study intersections would continue to operate within Washington County standards. However, temporary traffic control strategies can be used during construction to maximize safety and minimize impacts to the public.

Signing

- Since WTP construction will create additional truck trips, a portable changeable message sign (PCMS) with a message such as “Trucks on Roadway/Use Caution” should be used to alert drivers, pedestrians, and bicyclists on SW 124th Avenue.

¹¹ Manual on Uniform Traffic Control Devices 2003 Ed., Federal Highway Administration, November 2004.
 WWSP Water Treatment Plant | Traffic Analysis Memo

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Traffic Calming

- Post construction advisory speed signs in efforts to reduce vehicle speeds along SW 124th Avenue as larger vehicles will be traveling slowly as they enter/exit the site.
- Install driver feedback signs (example of a feedback sign on the right) in both directions along SW 124th Avenue in efforts to reduce vehicle speeds and improve safety.



Enforcement

- While the posted speed limit on SW 124th Avenue is 45 mph, existing traffic data shows that the average vehicle speed is faster than the speed limit. Increasing police presence around the site can caution motorists to drive at the posted speed limit.

Lighting Improvements

- Currently there is no roadway lighting near the site access along SW 124th Avenue. Consider installing safety lighting at the intersection of SW 124th Avenue/ SW Blake Street to improve intersection visibility for all users.

PERMANENT TRAFFIC IMPACTS DURING OPERATIONS

The previous sections of this document establish that only minimal provisions are recommended to accommodate increased traffic at the two most impacted intersections near the site during construction (the period of maximum traffic impact). Estimates provided by CDM Smith for increased traffic to support long-term facility operations (including chemical deliveries, solids hauling, tour groups, public visitors, operations personnel, etc.) represent a small fraction of traffic estimated during peak construction. A breakdown of this estimated traffic is shown in Appendix H. Any permanent traffic impacts due to the site after construction are expected to be minimal and, therefore, no additional permanent traffic mitigation measures are anticipated.

FOR LAND USE PERMITTING (EXHIBIT B)

APPENDIX A – TRAFFIC DATA

FOR LAND USE PERMITTING (EXHIBIT B)

KEY DATA NETWORK

K-D-N.com
Tualatin, OR 97062
503-804-3294

SW 124th Ave South of Tualatin-Sherwood
Latitude: 0' 0.0000 Undefined
Longitude: 0' 0.0000 Undefined

NB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Not Classed	Total
06/26/19	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12 PM	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	0	33	7	0	0	0	0	0	0	0	0	0	0	0	40
22:00	0	26	6	0	3	0	0	0	0	0	0	0	0	0	35
23:00	0	5	0	0	0	0	0	0	0	0	0	0	0	0	5
Total	0	64	13	0	3	0	0	0	0	0	0	0	0	0	80
Percent	0.0%	80.0%	16.3%	0.0%	3.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
AM Peak Vol.															
PM Peak Vol.		21:00 33	21:00 7		22:00 3										

FOR LAND USE PERMITTING (EXHIBIT B)

KEY DATA NETWORK

K-D-N.com
Tualatin, OR 97062
503-804-3294

SW 124th Ave South of Tualatin-Sherwood
Latitude: 0' 0.0000 Undefined
Longitude: 0' 0.0000 Undefined

NB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Not Classed	Total
06/27/19	0	2	2	0	0	0	0	0	0	0	0	0	0	0	4
01:00	0	8	1	0	1	0	0	0	1	0	0	0	0	0	11
02:00	0	7	0	0	0	0	0	0	2	0	0	0	0	0	9
03:00	0	22	4	0	0	0	0	0	0	0	0	0	0	0	26
04:00	0	73	15	0	5	0	0	1	1	0	0	0	0	1	96
05:00	0	127	40	1	12	3	0	1	3	0	0	0	0	1	188
06:00	1	192	60	7	37	17	0	6	4	4	0	0	0	0	328
07:00	2	242	65	2	29	11	3	7	7	2	0	0	1	3	374
08:00	0	170	51	9	28	5	3	5	4	2	0	0	2	6	285
09:00	5	83	33	1	22	6	2	3	5	1	0	0	2	8	171
10:00	3	85	34	0	18	9	2	4	4	1	0	0	2	3	165
11:00	0	90	32	4	22	5	1	3	2	5	0	0	0	4	168
12 PM	2	105	41	6	18	8	1	4	4	3	0	0	1	4	197
13:00	2	88	26	1	14	8	0	6	2	1	0	0	0	3	151
14:00	1	129	37	7	16	8	2	2	4	2	0	0	0	6	214
15:00	0	158	42	7	28	5	0	2	4	0	0	0	0	8	254
16:00	3	216	50	2	26	2	0	4	1	0	0	0	0	8	312
17:00	1	178	35	0	13	1	0	2	0	0	0	0	0	8	238
18:00	1	119	22	0	15	2	0	0	0	0	0	0	0	3	162
19:00	0	81	7	0	9	1	0	2	1	0	0	0	1	1	103
20:00	1	61	11	0	3	1	0	2	0	0	0	0	0	0	79
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	22	2236	608	47	316	92	14	54	49	21	0	0	9	67	3535
Percent	0.6%	63.3%	17.2%	1.3%	8.9%	2.6%	0.4%	1.5%	1.4%	0.6%	0.0%	0.0%	0.3%	1.9%	
AM Peak	09:00	07:00	07:00	08:00	06:00	06:00	07:00	07:00	07:00	11:00			08:00	09:00	
Vol.	5	242	65	9	37	17	3	7	7	5			2	8	
PM Peak	16:00	16:00	16:00	14:00	15:00	12:00	14:00	13:00	12:00	12:00			12:00	15:00	
Vol.	3	216	50	7	28	8	2	6	4	3			1	8	
Grand Total	22	2300	621	47	319	92	14	54	49	21	0	0	9	67	3615
Percent	0.6%	63.6%	17.2%	1.3%	8.8%	2.5%	0.4%	1.5%	1.4%	0.6%	0.0%	0.0%	0.2%	1.9%	

FOR LAND USE PERMITTING (EXHIBIT B)

KEY DATA NETWORK

K-D-N.com
Tualatin, OR 97062
503-804-3294

SW 124th Ave South of Tualatin-Sherwood
Latitude: 0' 0.0000 Undefined
Longitude: 0' 0.0000 Undefined

SB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Not Classed	Total
06/26/19	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12 PM	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	0	40	8	0	2	0	0	0	0	1	0	0	0	0	51
22:00	0	29	5	0	1	0	0	0	0	0	0	0	0	0	35
23:00	0	24	5	0	0	0	0	0	0	0	0	0	0	0	29
Total	0	93	18	0	3	0	0	0	0	1	0	0	0	0	115
Percent	0.0%	80.9%	15.7%	0.0%	2.6%	0.0%	0.0%	0.0%	0.0%	0.9%	0.0%	0.0%	0.0%	0.0%	
AM Peak Vol.															
PM Peak Vol.		21:00 40	21:00 8		21:00 2					21:00 1					

FOR LAND USE PERMITTING (EXHIBIT B)

KEY DATA NETWORK

K-D-N.com
Tualatin, OR 97062
503-804-3294

SW 124th Ave South of Tualatin-Sherwood
Latitude: 0' 0.0000 Undefined
Longitude: 0' 0.0000 Undefined

SB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Not Classed	Total
06/27/19	0	28	1	0	0	0	0	0	0	0	0	0	0	0	29
01:00	0	10	2	0	0	0	0	0	0	0	0	0	0	1	13
02:00	0	32	2	0	4	0	0	0	1	0	0	0	0	0	39
03:00	0	11	4	0	2	0	0	0	0	0	0	0	0	0	17
04:00	0	15	5	1	2	0	0	0	1	1	0	0	0	0	25
05:00	0	42	14	0	11	0	0	0	1	0	0	0	0	1	69
06:00	0	95	26	3	12	3	0	4	2	1	1	0	0	4	151
07:00	0	94	23	3	14	6	5	3	2	1	0	0	1	4	156
08:00	6	113	31	3	20	6	8	6	4	0	0	0	1	5	203
09:00	2	87	31	3	19	5	6	1	5	1	0	0	0	4	164
10:00	4	86	18	5	23	4	5	3	5	1	0	0	0	4	158
11:00	3	92	38	4	11	7	6	10	8	0	0	0	1	5	185
12 PM	3	91	26	3	17	7	6	5	4	3	1	0	0	3	169
13:00	1	120	45	1	21	8	4	6	5	2	0	0	0	5	218
14:00	1	219	52	1	28	3	5	9	5	3	0	0	0	9	335
15:00	1	316	67	4	26	6	0	10	0	1	0	0	0	19	450
16:00	2	337	95	0	27	8	0	14	3	0	0	0	0	18	504
17:00	0	327	58	0	29	4	0	3	2	1	0	0	0	13	437
18:00	1	184	36	2	21	1	0	6	0	2	0	0	0	6	259
19:00	1	92	13	0	10	0	0	1	2	0	0	0	0	1	120
20:00	0	75	7	0	3	1	0	0	2	0	0	0	0	0	88
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	25	2466	594	33	300	69	45	81	52	17	2	0	3	102	3789
Percent	0.7%	65.1%	15.7%	0.9%	7.9%	1.8%	1.2%	2.1%	1.4%	0.4%	0.1%	0.0%	0.1%	2.7%	
AM Peak	08:00	08:00	11:00	10:00	10:00	11:00	08:00	11:00	11:00	04:00	06:00		07:00	08:00	
Vol.	6	113	38	5	23	7	8	10	8	1	1		1	5	
PM Peak	12:00	16:00	16:00	15:00	17:00	13:00	12:00	16:00	13:00	12:00	12:00			15:00	
Vol.	3	337	95	4	29	8	6	14	5	3	1			19	
Grand Total	25	2559	612	33	303	69	45	81	52	18	2	0	3	102	3904
Percent	0.6%	65.5%	15.7%	0.8%	7.8%	1.8%	1.2%	2.1%	1.3%	0.5%	0.1%	0.0%	0.1%	2.6%	

FOR LAND USE PERMITTING (EXHIBIT B)

KEY DATA NETWORK

K-D-N.com
Tualatin, OR 97062
503-804-3294

SW 124th Ave South of Tualatin-Sherwood
Latitude: 0' 0.0000 Undefined
Longitude: 0' 0.0000 Undefined

NB, SB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Not Classed	Total
06/26/19	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12 PM	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	0	73	15	0	2	0	0	0	0	1	0	0	0	0	91
22:00	0	55	11	0	4	0	0	0	0	0	0	0	0	0	70
23:00	0	29	5	0	0	0	0	0	0	0	0	0	0	0	34
Total	0	157	31	0	6	0	0	0	0	1	0	0	0	0	195
Percent	0.0%	80.5%	15.9%	0.0%	3.1%	0.0%	0.0%	0.0%	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	
AM Peak Vol.															
PM Peak Vol.		21:00 73	21:00 15		22:00 4					21:00 1					

FOR LAND USE PERMITTING (EXHIBIT B)

KEY DATA NETWORK

K-D-N.com
Tualatin, OR 97062
503-804-3294

SW 124th Ave South of Tualatin-Sherwood
Latitude: 0' 0.0000 Undefined
Longitude: 0' 0.0000 Undefined

NB, SB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Not Classed	Total
06/27/19	0	30	3	0	0	0	0	0	0	0	0	0	0	0	33
01:00	0	18	3	0	1	0	0	0	1	0	0	0	0	1	24
02:00	0	39	2	0	4	0	0	0	3	0	0	0	0	0	48
03:00	0	33	8	0	2	0	0	0	0	0	0	0	0	0	43
04:00	0	88	20	1	7	0	0	1	2	1	0	0	0	1	121
05:00	0	169	54	1	23	3	0	1	4	0	0	0	0	2	257
06:00	1	287	86	10	49	20	0	10	6	5	1	0	0	4	479
07:00	2	336	88	5	43	17	8	10	9	3	0	0	2	7	530
08:00	6	283	82	12	48	11	11	11	8	2	0	0	3	11	488
09:00	7	170	64	4	41	11	8	4	10	2	0	0	2	12	335
10:00	7	171	52	5	41	13	7	7	9	2	0	0	2	7	323
11:00	3	182	70	8	33	12	7	13	10	5	0	0	1	9	353
12 PM	5	196	67	9	35	15	7	9	8	6	1	0	1	7	366
13:00	3	208	71	2	35	16	4	12	7	3	0	0	0	8	369
14:00	2	348	89	8	44	11	7	11	9	5	0	0	0	15	549
15:00	1	474	109	11	54	11	0	12	4	1	0	0	0	27	704
16:00	5	553	145	2	53	10	0	18	4	0	0	0	0	26	816
17:00	1	505	93	0	42	5	0	5	2	1	0	0	0	21	675
18:00	2	303	58	2	36	3	0	6	0	2	0	0	0	9	421
19:00	1	173	20	0	19	1	0	3	3	0	0	0	1	2	223
20:00	1	136	18	0	6	2	0	2	2	0	0	0	0	0	167
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	47	4702	1202	80	616	161	59	135	101	38	2	0	12	169	7324
Percent	0.6%	64.2%	16.4%	1.1%	8.4%	2.2%	0.8%	1.8%	1.4%	0.5%	0.0%	0.0%	0.2%	2.3%	
AM Peak	09:00	07:00	07:00	08:00	06:00	06:00	08:00	11:00	09:00	06:00	06:00		08:00	09:00	
Vol.	7	336	88	12	49	20	11	13	10	5	1		3	12	
PM Peak	12:00	16:00	16:00	15:00	15:00	13:00	12:00	16:00	14:00	12:00	12:00		12:00	15:00	
Vol.	5	553	145	11	54	16	7	18	9	6	1		1	27	
Grand Total	47	4859	1233	80	622	161	59	135	101	39	2	0	12	169	7519
Percent	0.6%	64.6%	16.4%	1.1%	8.3%	2.1%	0.8%	1.8%	1.3%	0.5%	0.0%	0.0%	0.2%	2.2%	

FOR LAND USE PERMITTING (EXHIBIT B)

KEY DATA NETWORK

K-D-N.com
Tualatin, OR 97062
503-804-3294

SW 124th Ave South of T-S Rd

Latitude: 0' 0.0000 Undefined
Longitude: 0' 0.0000 Undefined

NB

Start Time	Bikes	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Not Classe	Total
08/24/19	0	5	0	0	1	0	0	0	0	0	0	0	0	0	6
00:15	0	4	1	0	0	0	0	0	0	0	0	0	0	0	5
00:30	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
00:45	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
	0	9	2	0	2	0	0	0	0	0	0	0	0	0	13
01:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
01:15	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
01:30	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
01:45	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
	0	2	4	0	0	0	0	0	0	0	0	0	0	0	6
02:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
02:15	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
02:30	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
02:45	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
	0	4	1	0	0	0	0	0	0	0	0	0	0	0	5
03:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
03:15	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
03:30	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3
03:45	0	5	0	0	0	0	0	0	0	0	0	0	0	0	5
	0	9	0	0	1	0	0	0	0	0	0	0	0	0	10
04:00	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3
04:15	0	6	2	0	0	0	0	0	1	0	0	0	0	0	9
04:30	0	4	2	0	2	0	0	0	0	0	0	0	0	0	8
04:45	0	3	3	0	1	0	0	0	0	0	0	0	0	0	7
	0	16	7	0	3	0	0	0	1	0	0	0	0	0	27
05:00	0	4	1	0	0	0	0	0	0	0	0	0	0	0	5
05:15	0	2	1	0	0	0	0	0	0	0	0	0	0	0	3
05:30	0	9	1	0	0	0	0	0	0	0	0	0	0	0	10
05:45	0	6	3	0	4	1	0	0	1	0	0	0	0	0	15
	0	21	6	0	4	1	0	0	1	0	0	0	0	0	33
06:00	0	3	3	0	1	0	0	0	1	0	0	0	0	0	8
06:15	0	2	2	0	0	0	0	0	0	0	0	0	0	0	4
06:30	0	4	5	0	1	0	0	1	0	0	0	0	0	0	11
06:45	2	12	3	0	1	1	0	0	1	0	0	0	0	0	20
	2	21	13	0	3	1	0	1	2	0	0	0	0	0	43
07:00	0	7	2	0	1	0	0	0	0	0	0	0	0	0	10
07:15	0	8	0	0	3	0	0	2	0	2	0	0	1	1	17
07:30	1	6	5	0	1	0	0	1	0	1	0	0	0	1	16
07:45	1	13	5	0	4	0	0	0	1	0	0	0	0	0	25
	2	34	12	0	9	0	0	3	1	3	0	0	1	3	68
08:00	2	14	5	0	2	0	0	1	1	2	0	0	0	1	28
08:15	0	9	3	0	4	0	0	1	2	1	0	0	0	0	20
08:30	0	17	6	0	6	0	0	2	1	0	0	0	0	0	32
08:45	0	22	3	1	4	1	0	1	0	1	0	0	0	0	33
	2	62	17	1	16	1	0	5	4	4	0	0	0	1	113
09:00	0	14	3	0	3	1	0	2	0	1	0	0	0	0	24
09:15	0	21	4	0	2	0	0	0	0	0	0	0	0	0	27
09:30	2	26	8	0	4	0	0	0	0	1	0	0	0	1	42
09:45	1	25	5	0	2	0	0	1	2	0	0	0	0	1	37
	3	86	20	0	11	1	0	3	2	2	0	0	0	2	130
10:00	0	18	5	0	5	0	0	2	0	1	0	0	0	0	31
10:15	1	25	3	1	5	0	0	2	2	0	0	0	0	0	39
10:30	0	30	7	0	2	0	0	1	1	0	0	0	0	0	41
10:45	0	17	13	0	4	0	0	0	0	1	0	0	0	0	35
	1	90	28	1	16	0	0	5	3	2	0	0	0	0	146
11:00	0	19	5	0	6	1	0	0	1	0	0	0	0	0	32
11:15	0	19	9	0	2	0	0	0	0	1	0	0	0	0	31
11:30	0	27	3	0	2	0	0	3	0	0	0	0	0	1	36
11:45	0	18	8	1	4	1	0	1	0	0	0	0	0	0	33
	0	83	25	1	14	2	0	4	1	1	0	0	0	1	132
Total	10	437	135	3	79	6	0	21	15	12	0	0	1	7	726
Percent	1.4%	60.2%	18.6%	0.4%	10.9%	0.8%	0.0%	2.9%	2.1%	1.7%	0.0%	0.0%	0.1%	1.0%	

FOR LAND USE PERMITTING (EXHIBIT B)

KEY DATA NETWORK

K-D-N.com
Tualatin, OR 97062
503-804-3294

SW 124th Ave South of T-S Rd

Latitude: 0' 0.0000 Undefined
Longitude: 0' 0.0000 Undefined

NB

Start Time	Bikes	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Not Classe	Total
12 PM	1	27	5	0	9	0	0	0	0	0	0	0	0	0	42
12:15	0	23	4	0	3	0	0	0	0	1	0	0	0	0	31
12:30	0	29	9	0	7	0	0	0	0	1	0	0	0	0	46
12:45	0	31	7	2	4	0	0	1	0	1	0	0	0	4	50
	1	110	25	2	23	0	0	1	0	3	0	0	0	4	169
13:00	0	35	8	1	3	2	0	2	0	0	0	0	0	0	51
13:15	0	31	9	1	5	0	0	2	1	0	0	0	0	0	49
13:30	0	32	8	0	5	0	0	4	0	1	0	0	0	1	51
13:45	0	32	7	1	3	0	0	1	0	0	0	0	0	1	45
	0	130	32	3	16	2	0	9	1	1	0	0	0	2	196
14:00	0	59	10	2	10	0	0	1	1	0	0	0	0	1	84
14:15	0	52	9	1	3	0	0	0	0	0	0	0	0	0	65
14:30	0	51	19	0	4	0	0	1	0	0	0	0	0	0	75
14:45	0	46	14	0	10	0	0	1	0	0	0	0	0	1	72
	0	208	52	3	27	0	0	3	1	0	0	0	0	2	296
15:00	0	45	5	2	5	0	0	2	0	0	0	0	0	0	59
15:15	0	30	10	1	6	0	0	0	0	0	0	0	0	1	48
15:30	0	22	12	0	4	0	0	1	0	0	0	0	0	1	40
15:45	1	42	7	0	3	0	0	1	0	0	0	0	0	0	54
	1	139	34	3	18	0	0	4	0	0	0	0	0	2	201
16:00	0	26	13	0	2	0	0	0	0	0	0	0	0	0	41
16:15	0	23	10	0	5	0	0	0	0	0	0	0	0	0	38
16:30	0	35	9	1	4	0	0	0	0	0	0	0	0	0	49
16:45	0	21	9	0	2	0	0	1	0	0	0	0	0	0	33
	0	105	41	1	13	0	0	1	0	0	0	0	0	0	161
17:00	0	27	8	0	2	0	0	0	0	0	0	0	0	0	37
17:15	0	27	9	0	6	1	0	1	0	0	0	0	0	0	44
17:30	0	36	5	0	3	0	0	1	0	0	0	0	0	0	45
17:45	0	13	2	0	2	0	0	1	0	0	0	0	0	0	18
	0	103	24	0	13	1	0	3	0	0	0	0	0	0	144
18:00	0	17	7	1	2	0	0	1	0	0	0	0	0	0	28
18:15	0	21	5	0	1	0	0	0	0	0	0	0	0	0	27
18:30	0	22	4	0	2	0	0	0	0	0	0	0	0	0	28
18:45	0	12	7	0	3	0	0	0	0	0	0	0	0	0	22
	0	72	23	1	8	0	0	1	0	0	0	0	0	0	105
19:00	0	20	3	1	1	0	0	0	1	0	0	0	0	0	26
19:15	0	14	2	0	3	1	1	0	0	0	0	0	0	0	21
19:30	0	13	3	0	0	1	0	0	0	0	0	0	0	0	17
19:45	0	13	1	1	1	0	0	1	0	0	0	0	0	0	17
	0	60	9	2	5	2	1	1	1	0	0	0	0	0	81
20:00	1	21	10	0	1	0	0	0	0	0	0	0	0	0	33
20:15	0	15	6	0	1	0	0	0	0	0	0	0	0	0	22
20:30	0	19	3	0	1	0	0	0	0	0	0	0	0	1	24
20:45	0	8	3	1	1	0	0	1	0	0	0	0	0	0	14
	1	63	22	1	4	0	0	1	0	0	0	0	0	1	93
21:00	0	6	4	0	1	0	0	0	0	0	0	0	0	0	11
21:15	0	17	1	0	2	0	0	0	0	0	0	0	0	0	20
21:30	0	11	1	0	2	0	0	0	0	0	0	0	0	0	14
21:45	0	11	1	0	0	0	0	0	0	0	0	0	0	0	12
	0	45	7	0	5	0	0	0	0	0	0	0	0	0	57
22:00	0	9	2	0	1	0	0	0	0	0	0	0	0	0	12
22:15	0	7	0	0	0	0	0	1	0	0	0	0	0	0	8
22:30	0	9	1	0	1	0	0	0	0	0	0	0	0	0	11
22:45	0	4	3	0	0	0	0	0	0	0	0	0	0	0	7
	0	29	6	0	2	0	0	1	0	0	0	0	0	0	38
23:00	0	4	2	0	0	0	0	0	0	0	0	0	0	0	6
23:15	0	8	0	0	0	0	0	0	0	0	0	0	0	0	8
23:30	0	5	1	0	0	0	0	0	0	0	0	0	0	0	6
23:45	0	7	1	0	0	0	0	0	0	0	0	0	0	0	8
	0	24	4	0	0	0	0	0	0	0	0	0	0	0	28
Total	3	1088	279	16	134	5	1	25	3	4	0	0	0	11	1569
Percent	0.2%	69.3%	17.8%	1.0%	8.5%	0.3%	0.1%	1.6%	0.2%	0.3%	0.0%	0.0%	0.0%	0.7%	
Grand Total	13	1525	414	19	213	11	1	46	18	16	0	0	1	18	2295
Percent	0.6%	66.4%	18.0%	0.8%	9.3%	0.5%	0.0%	2.0%	0.8%	0.7%	0.0%	0.0%	0.0%	0.8%	

FOR LAND USE PERMITTING (EXHIBIT B)

KEY DATA NETWORK

K-D-N.com
Tualatin, OR 97062
503-804-3294

SW 124th Ave South of T-S Rd

Latitude: 0' 0.0000 Undefined
Longitude: 0' 0.0000 Undefined

SB

Start Time	Bikes	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Not Classe	Total
08/24/19	0	8	0	0	1	0	0	0	0	0	0	0	0	0	9
00:15	0	6	1	0	1	0	0	0	0	0	0	0	0	0	8
00:30	0	6	2	0	0	0	0	0	0	0	0	0	0	0	8
00:45	0	7	2	0	1	0	0	0	0	0	0	0	0	0	10
	0	27	5	0	3	0	0	0	0	0	0	0	0	0	35
01:00	0	8	3	0	0	0	0	0	0	0	0	0	0	0	11
01:15	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:45	0	1	0	0	2	0	0	0	0	0	0	0	0	0	3
	0	10	4	0	2	0	0	0	0	0	0	0	0	0	16
02:00	0	5	1	0	0	0	0	0	0	0	0	0	0	0	6
02:15	0	2	1	0	0	0	0	0	0	0	0	0	0	0	3
02:30	0	3	1	0	1	0	0	0	0	0	0	0	0	0	5
02:45	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
	0	10	4	0	1	0	0	0	0	0	0	0	0	0	15
03:00	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3
03:15	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
03:30	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
03:45	0	2	2	0	0	0	0	0	0	0	0	0	0	0	4
	0	8	3	0	0	0	0	0	0	0	0	0	0	0	11
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	1	1	0	1	0	0	1	1	0	0	0	0	0	5
04:45	0	5	0	0	0	0	0	0	0	0	0	0	0	0	5
	0	6	1	0	1	0	0	1	1	0	0	0	0	0	10
05:00	0	4	2	0	2	0	0	0	0	1	0	0	0	0	9
05:15	0	4	1	0	1	0	0	0	0	0	0	0	0	0	6
05:30	0	2	3	0	0	0	0	0	0	0	0	0	0	0	5
05:45	0	1	1	0	3	0	0	0	0	0	0	0	0	0	5
	0	11	7	0	6	0	0	0	0	1	0	0	0	0	25
06:00	0	2	2	0	3	0	0	0	0	0	0	0	0	0	7
06:15	0	2	2	0	2	0	0	0	0	0	0	0	0	0	6
06:30	0	9	3	0	1	0	0	1	0	0	0	0	0	0	14
06:45	0	6	2	0	1	0	0	0	0	0	0	0	0	0	9
	0	19	9	0	7	0	0	1	0	0	0	0	0	0	36
07:00	0	6	5	0	2	0	0	0	1	0	0	0	0	0	14
07:15	0	12	6	0	1	0	0	0	1	0	0	0	0	0	20
07:30	1	13	2	2	0	0	0	0	0	1	0	0	0	1	20
07:45	0	8	4	0	4	0	0	0	0	0	0	0	0	0	17
	1	39	17	2	7	0	0	0	2	1	0	0	0	2	71
08:00	0	19	3	1	8	0	0	0	0	0	0	0	0	2	33
08:15	1	13	4	1	3	1	0	0	0	0	0	0	0	0	23
08:30	0	9	1	0	2	0	0	0	0	1	0	0	0	0	13
08:45	0	27	4	0	9	0	0	0	0	1	0	0	0	0	41
	1	68	12	2	22	1	0	0	0	2	0	0	0	2	110
09:00	0	22	7	0	4	0	0	0	0	0	0	0	0	1	34
09:15	0	23	6	0	5	0	0	2	0	0	0	0	0	1	37
09:30	0	21	8	1	6	0	0	2	0	0	0	0	0	1	39
09:45	0	31	5	0	8	0	0	2	0	0	0	0	0	1	47
	0	97	26	1	23	0	0	6	0	0	0	0	0	4	157
10:00	0	21	10	0	5	0	0	3	0	1	0	0	0	0	40
10:15	0	28	14	0	4	0	0	3	0	0	0	0	0	1	50
10:30	0	30	13	0	8	0	1	1	0	1	0	0	0	3	57
10:45	0	33	7	0	5	0	0	0	0	0	0	0	0	2	47
	0	112	44	0	22	0	1	7	0	2	0	0	0	6	194
11:00	0	35	7	1	7	1	0	2	0	0	0	0	0	0	53
11:15	0	40	11	1	7	1	0	0	0	0	0	0	0	0	60
11:30	2	34	11	0	10	0	0	0	1	2	0	0	0	2	62
11:45	1	41	11	3	9	0	0	1	0	0	0	0	0	1	67
	3	150	40	5	33	2	0	3	1	2	0	0	0	3	242
Total	5	557	172	10	127	3	1	18	4	8	0	0	0	17	922
Percent	0.5%	60.4%	18.7%	1.1%	13.8%	0.3%	0.1%	2.0%	0.4%	0.9%	0.0%	0.0%	0.0%	1.8%	

FOR LAND USE PERMITTING (EXHIBIT B)

KEY DATA NETWORK

K-D-N.com
Tualatin, OR 97062
503-804-3294

SW 124th Ave South of T-S Rd

Latitude: 0' 0.0000 Undefined
Longitude: 0' 0.0000 Undefined

SB

Start Time	Bikes	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Not Classe	Total
12 PM	0	43	13	0	3	0	0	1	0	0	0	0	0	0	60
12:15	1	39	13	1	7	1	0	0	0	1	0	0	0	0	63
12:30	0	42	13	1	5	0	0	1	0	0	0	0	0	1	63
12:45	1	56	15	2	5	1	0	2	0	0	0	0	0	0	82
	2	180	54	4	20	2	0	4	0	1	0	0	0	1	268
13:00	0	50	18	4	7	1	0	0	1	1	0	0	0	1	83
13:15	1	45	19	0	7	1	0	0	0	1	0	0	0	0	74
13:30	1	54	19	1	8	1	0	1	0	0	0	0	0	1	86
13:45	0	53	9	2	5	1	1	3	1	0	0	0	0	2	77
	2	202	65	7	27	4	1	4	2	2	0	0	0	4	320
14:00	1	32	13	1	4	0	0	0	0	0	0	0	0	0	51
14:15	0	50	20	1	8	1	0	0	0	0	0	0	0	2	82
14:30	0	36	10	1	6	0	0	0	0	0	0	0	0	2	55
14:45	0	37	11	0	3	0	0	0	0	0	0	0	0	1	52
	1	155	54	3	21	1	0	0	0	0	0	0	0	5	240
15:00	0	33	10	0	6	0	0	1	0	0	0	0	0	0	50
15:15	0	34	11	0	12	0	0	2	0	0	0	0	0	2	61
15:30	0	35	13	0	5	0	0	0	0	0	0	0	0	1	54
15:45	0	29	4	0	1	1	0	0	0	0	0	0	0	0	35
	0	131	38	0	24	1	0	3	0	0	0	0	0	3	200
16:00	0	34	11	1	5	0	0	1	0	0	0	0	0	1	53
16:15	0	32	16	0	5	0	0	0	0	0	0	0	0	0	53
16:30	1	23	7	1	6	0	0	3	0	0	0	0	0	0	41
16:45	0	31	8	0	6	0	0	0	0	0	0	0	0	1	46
	1	120	42	2	22	0	0	4	0	0	0	0	0	2	193
17:00	1	27	6	0	5	0	0	0	0	0	0	0	0	2	41
17:15	0	26	10	0	2	0	0	1	0	1	0	0	0	1	41
17:30	0	27	7	0	2	0	0	0	0	0	0	0	0	1	37
17:45	0	21	11	0	5	0	0	1	0	1	0	0	0	1	40
	1	101	34	0	14	0	0	2	0	2	0	0	0	5	159
18:00	0	24	7	0	1	0	0	0	0	0	0	0	0	0	32
18:15	1	23	3	0	3	0	0	0	2	0	0	0	0	0	32
18:30	0	14	6	0	3	0	0	0	0	0	0	0	0	0	23
18:45	0	25	5	0	0	2	0	0	0	0	0	0	0	0	32
	1	86	21	0	7	2	0	0	2	0	0	0	0	0	119
19:00	1	9	5	0	0	0	0	0	1	0	0	0	0	3	19
19:15	0	11	5	0	0	0	0	0	0	0	0	0	0	0	16
19:30	0	16	5	0	1	1	0	0	0	0	0	0	0	0	23
19:45	0	19	1	0	0	0	0	2	0	0	0	0	0	0	22
	1	55	16	0	1	1	0	2	1	0	0	0	0	3	80
20:00	0	13	5	0	1	0	0	0	0	0	0	0	0	0	19
20:15	1	11	10	0	3	0	0	0	0	0	0	0	0	0	25
20:30	0	14	5	0	3	0	0	0	0	0	0	0	0	0	22
20:45	0	17	2	0	6	0	0	0	0	0	0	0	0	0	25
	1	55	22	0	13	0	0	0	0	0	0	0	0	0	91
21:00	0	16	2	0	3	0	0	0	0	0	0	0	0	0	21
21:15	0	16	1	0	6	0	0	0	0	0	0	0	0	0	23
21:30	0	14	5	0	2	0	0	0	0	0	0	0	0	0	21
21:45	1	4	2	0	1	0	0	0	0	0	0	0	0	0	8
	1	50	10	0	12	0	0	0	0	0	0	0	0	0	73
22:00	0	10	7	0	0	0	0	0	1	0	0	0	0	0	18
22:15	0	14	2	0	2	0	0	0	0	0	0	0	0	1	19
22:30	0	12	3	0	0	0	0	1	0	0	0	0	0	0	16
22:45	0	13	1	0	0	0	0	0	0	0	0	0	0	0	14
	0	49	13	0	2	0	0	1	1	0	0	0	0	1	67
23:00	0	4	4	0	2	0	0	0	0	0	0	0	0	0	10
23:15	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
23:30	0	5	0	0	0	0	0	0	0	0	0	0	0	0	5
23:45	0	4	0	0	0	0	0	0	0	0	0	0	0	0	4
	0	15	4	0	2	0	0	0	0	0	0	0	0	0	21
Total	11	1199	373	16	165	11	1	20	6	5	0	0	0	24	1831
Percent	0.6%	65.5%	20.4%	0.9%	9.0%	0.6%	0.1%	1.1%	0.3%	0.3%	0.0%	0.0%	0.0%	1.3%	
Grand Total	16	1756	545	26	292	14	2	38	10	13	0	0	0	41	2753
Percent	0.6%	63.8%	19.8%	0.9%	10.6%	0.5%	0.1%	1.4%	0.4%	0.5%	0.0%	0.0%	0.0%	1.5%	

FOR LAND USE PERMITTING (EXHIBIT B)

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Tualatin, OR 97062
503-804-3294

SW 124th Ave South of T-S Rd

Latitude: 0' 0.0000 Undefined
Longitude: 0' 0.0000 Undefined

NB, SB

Start Time	Bikes	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Not Classe	Total
08/24/19	0	13	0	0	2	0	0	0	0	0	0	0	0	0	15
00:15	0	10	2	0	1	0	0	0	0	0	0	0	0	0	13
00:30	0	6	2	0	1	0	0	0	0	0	0	0	0	0	9
00:45	0	7	3	0	1	0	0	0	0	0	0	0	0	0	11
	0	36	7	0	5	0	0	0	0	0	0	0	0	0	48
01:00	0	8	4	0	0	0	0	0	0	0	0	0	0	0	12
01:15	0	2	2	0	0	0	0	0	0	0	0	0	0	0	4
01:30	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
01:45	0	2	1	0	2	0	0	0	0	0	0	0	0	0	5
	0	12	8	0	2	0	0	0	0	0	0	0	0	0	22
02:00	0	6	1	0	0	0	0	0	0	0	0	0	0	0	7
02:15	0	3	1	0	0	0	0	0	0	0	0	0	0	0	4
02:30	0	3	2	0	1	0	0	0	0	0	0	0	0	0	6
02:45	0	2	1	0	0	0	0	0	0	0	0	0	0	0	3
	0	14	5	0	1	0	0	0	0	0	0	0	0	0	20
03:00	0	4	0	0	0	0	0	0	0	0	0	0	0	0	4
03:15	0	1	1	0	1	0	0	0	0	0	0	0	0	0	3
03:30	0	5	0	0	0	0	0	0	0	0	0	0	0	0	5
03:45	0	7	2	0	0	0	0	0	0	0	0	0	0	0	9
	0	17	3	0	1	0	0	0	0	0	0	0	0	0	21
04:00	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3
04:15	0	6	2	0	0	0	0	0	1	0	0	0	0	0	9
04:30	0	5	3	0	3	0	0	1	1	0	0	0	0	0	13
04:45	0	8	3	0	1	0	0	0	0	0	0	0	0	0	12
	0	22	8	0	4	0	0	1	2	0	0	0	0	0	37
05:00	0	8	3	0	2	0	0	0	0	1	0	0	0	0	14
05:15	0	6	2	0	1	0	0	0	0	0	0	0	0	0	9
05:30	0	11	4	0	0	0	0	0	0	0	0	0	0	0	15
05:45	0	7	4	0	7	1	0	0	1	0	0	0	0	0	20
	0	32	13	0	10	1	0	0	1	1	0	0	0	0	58
06:00	0	5	5	0	4	0	0	0	1	0	0	0	0	0	15
06:15	0	4	4	0	2	0	0	0	0	0	0	0	0	0	10
06:30	0	13	8	0	2	0	0	2	0	0	0	0	0	0	25
06:45	2	18	5	0	2	1	0	0	1	0	0	0	0	0	29
	2	40	22	0	10	1	0	2	2	0	0	0	0	0	79
07:00	0	13	7	0	3	0	0	0	1	0	0	0	0	0	24
07:15	0	20	6	0	4	0	0	2	1	2	0	0	1	1	37
07:30	2	19	7	2	1	0	0	1	0	2	0	0	0	2	36
07:45	1	21	9	0	8	0	0	0	1	0	0	0	0	0	42
	3	73	29	2	16	0	0	3	3	4	0	0	1	5	139
08:00	2	33	8	1	10	0	0	1	1	2	0	0	0	3	61
08:15	1	22	7	1	7	1	0	1	2	1	0	0	0	0	43
08:30	0	26	7	0	8	0	0	2	1	1	0	0	0	0	45
08:45	0	49	7	1	13	1	0	1	0	2	0	0	0	0	74
	3	130	29	3	38	2	0	5	4	6	0	0	0	3	223
09:00	0	36	10	0	7	1	0	2	0	1	0	0	0	1	58
09:15	0	44	10	0	7	0	0	2	0	0	0	0	0	1	64
09:30	2	47	16	1	10	0	0	2	0	1	0	0	0	2	81
09:45	1	56	10	0	10	0	0	3	2	0	0	0	0	2	84
	3	183	46	1	34	1	0	9	2	2	0	0	0	6	287
10:00	0	39	15	0	10	0	0	5	0	2	0	0	0	0	71
10:15	1	53	17	1	9	0	0	5	2	0	0	0	0	1	89
10:30	0	60	20	0	10	0	1	2	1	1	0	0	0	3	98
10:45	0	50	20	0	9	0	0	0	0	1	0	0	0	2	82
	1	202	72	1	38	0	1	12	3	4	0	0	0	6	340
11:00	0	54	12	1	13	2	0	2	1	0	0	0	0	0	85
11:15	0	59	20	1	9	1	0	0	0	1	0	0	0	0	91
11:30	2	61	14	0	12	0	0	3	1	2	0	0	0	3	98
11:45	1	59	19	4	13	1	0	2	0	0	0	0	0	1	100
	3	233	65	6	47	4	0	7	2	3	0	0	0	4	374
Total	15	994	307	13	206	9	1	39	19	20	0	0	1	24	1648
Percent	0.9%	60.3%	18.6%	0.8%	12.5%	0.5%	0.1%	2.4%	1.2%	1.2%	0.0%	0.0%	0.1%	1.5%	

FOR LAND USE PERMITTING (EXHIBIT B)

KEY DATA NETWORK

K-D-N.com
Tualatin, OR 97062
503-804-3294

SW 124th Ave South of T-S Rd

Latitude: 0' 0.0000 Undefined
Longitude: 0' 0.0000 Undefined

NB, SB

Start Time	Bikes	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Not Classe	Total
12 PM	1	70	18	0	12	0	0	1	0	0	0	0	0	0	102
12:15	1	62	17	1	10	1	0	0	0	2	0	0	0	0	94
12:30	0	71	22	1	12	0	0	1	0	1	0	0	0	1	109
12:45	1	87	22	4	9	1	0	3	0	1	0	0	0	4	132
	3	290	79	6	43	2	0	5	0	4	0	0	0	5	437
13:00	0	85	26	5	10	3	0	2	1	1	0	0	0	1	134
13:15	1	76	28	1	12	1	0	2	1	1	0	0	0	0	123
13:30	1	86	27	1	13	1	0	5	0	1	0	0	0	2	137
13:45	0	85	16	3	8	1	1	4	1	0	0	0	0	3	122
	2	332	97	10	43	6	1	13	3	3	0	0	0	6	516
14:00	1	91	23	3	14	0	0	1	1	0	0	0	0	1	135
14:15	0	102	29	2	11	1	0	0	0	0	0	0	0	2	147
14:30	0	87	29	1	10	0	0	1	0	0	0	0	0	2	130
14:45	0	83	25	0	13	0	0	1	0	0	0	0	0	2	124
	1	363	106	6	48	1	0	3	1	0	0	0	0	7	536
15:00	0	78	15	2	11	0	0	3	0	0	0	0	0	0	109
15:15	0	64	21	1	18	0	0	2	0	0	0	0	0	3	109
15:30	0	57	25	0	9	0	0	1	0	0	0	0	0	2	94
15:45	1	71	11	0	4	1	0	1	0	0	0	0	0	0	89
	1	270	72	3	42	1	0	7	0	0	0	0	0	5	401
16:00	0	60	24	1	7	0	0	1	0	0	0	0	0	1	94
16:15	0	55	26	0	10	0	0	0	0	0	0	0	0	0	91
16:30	1	58	16	2	10	0	0	3	0	0	0	0	0	0	90
16:45	0	52	17	0	8	0	0	1	0	0	0	0	0	1	79
	1	225	83	3	35	0	0	5	0	0	0	0	0	2	354
17:00	1	54	14	0	7	0	0	0	0	0	0	0	0	2	78
17:15	0	53	19	0	8	1	0	2	0	1	0	0	0	1	85
17:30	0	63	12	0	5	0	0	1	0	0	0	0	0	1	82
17:45	0	34	13	0	7	0	0	2	0	1	0	0	0	1	58
	1	204	58	0	27	1	0	5	0	2	0	0	0	5	303
18:00	0	41	14	1	3	0	0	1	0	0	0	0	0	0	60
18:15	1	44	8	0	4	0	0	0	2	0	0	0	0	0	59
18:30	0	36	10	0	5	0	0	0	0	0	0	0	0	0	51
18:45	0	37	12	0	3	2	0	0	0	0	0	0	0	0	54
	1	158	44	1	15	2	0	1	2	0	0	0	0	0	224
19:00	1	29	8	1	1	0	0	0	2	0	0	0	0	3	45
19:15	0	25	7	0	3	1	1	0	0	0	0	0	0	0	37
19:30	0	29	8	0	1	2	0	0	0	0	0	0	0	0	40
19:45	0	32	2	1	1	0	0	3	0	0	0	0	0	0	39
	1	115	25	2	6	3	1	3	2	0	0	0	0	3	161
20:00	1	34	15	0	2	0	0	0	0	0	0	0	0	0	52
20:15	1	26	16	0	4	0	0	0	0	0	0	0	0	0	47
20:30	0	33	8	0	4	0	0	0	0	0	0	0	0	1	46
20:45	0	25	5	1	7	0	0	1	0	0	0	0	0	0	39
	2	118	44	1	17	0	0	1	0	0	0	0	0	1	184
21:00	0	22	6	0	4	0	0	0	0	0	0	0	0	0	32
21:15	0	33	2	0	8	0	0	0	0	0	0	0	0	0	43
21:30	0	25	6	0	4	0	0	0	0	0	0	0	0	0	35
21:45	1	15	3	0	1	0	0	0	0	0	0	0	0	0	20
	1	95	17	0	17	0	0	0	0	0	0	0	0	0	130
22:00	0	19	9	0	1	0	0	0	1	0	0	0	0	0	30
22:15	0	21	2	0	2	0	0	1	0	0	0	0	0	1	27
22:30	0	21	4	0	1	0	0	1	0	0	0	0	0	0	27
22:45	0	17	4	0	0	0	0	0	0	0	0	0	0	0	21
	0	78	19	0	4	0	0	2	1	0	0	0	0	1	105
23:00	0	8	6	0	2	0	0	0	0	0	0	0	0	0	16
23:15	0	10	0	0	0	0	0	0	0	0	0	0	0	0	10
23:30	0	10	1	0	0	0	0	0	0	0	0	0	0	0	11
23:45	0	11	1	0	0	0	0	0	0	0	0	0	0	0	12
	0	39	8	0	2	0	0	0	0	0	0	0	0	0	49
Total	14	2287	652	32	299	16	2	45	9	9	0	0	0	35	3400
Percent	0.4%	67.3%	19.2%	0.9%	8.8%	0.5%	0.1%	1.3%	0.3%	0.3%	0.0%	0.0%	0.0%	1.0%	
Grand Total	29	3281	959	45	505	25	3	84	28	29	0	0	1	59	5048
Percent	0.6%	65.0%	19.0%	0.9%	10.0%	0.5%	0.1%	1.7%	0.6%	0.6%	0.0%	0.0%	0.0%	1.2%	

FOR LAND USE PERMITTING (EXHIBIT B)

KEY DATA NETWORK

K-D-N.com
Tualatin, OR 97062
503-804-3294

SW 124th Ave South of Tualatin-Sherwood
Latitude: 0' 0.0000 Undefined
Longitude: 0' 0.0000 Undefined

Start Time	26-Jun-19 Wed	NB	SB	Total
12:00 AM		*	*	*
12:15		*	*	*
12:30		*	*	*
12:45		*	*	*
01:00		*	*	*
01:15		*	*	*
01:30		*	*	*
01:45		*	*	*
02:00		*	*	*
02:15		*	*	*
02:30		*	*	*
02:45		*	*	*
03:00		*	*	*
03:15		*	*	*
03:30		*	*	*
03:45		*	*	*
04:00		*	*	*
04:15		*	*	*
04:30		*	*	*
04:45		*	*	*
05:00		*	*	*
05:15		*	*	*
05:30		*	*	*
05:45		*	*	*
06:00		*	*	*
06:15		*	*	*
06:30		*	*	*
06:45		*	*	*
07:00		*	*	*
07:15		*	*	*
07:30		*	*	*
07:45		*	*	*
08:00		*	*	*
08:15		*	*	*
08:30		*	*	*
08:45		*	*	*
09:00		*	*	*
09:15		*	*	*
09:30		*	*	*
09:45		*	*	*
10:00		*	*	*
10:15		*	*	*
10:30		*	*	*
10:45		*	*	*
11:00		*	*	*
11:15		*	*	*
11:30		*	*	*
11:45		*	*	*
Total		0	0	0
Percent		0.0%	0.0%	
Peak	-	-	-	-
Vol.	-	-	-	-
P.H.F.				

FOR LAND USE PERMITTING (EXHIBIT B)

KEY DATA NETWORK

K-D-N.com
Tualatin, OR 97062
503-804-3294

SW 124th Ave South of Tualatin-Sherwood
Latitude: 0' 0.0000 Undefined
Longitude: 0' 0.0000 Undefined

Start Time	26-Jun-19 Wed	NB	SB	Total
12:00 PM		*	*	*
12:15		*	*	*
12:30		*	*	*
12:45		*	*	*
01:00		*	*	*
01:15		*	*	*
01:30		*	*	*
01:45		*	*	*
02:00		*	*	*
02:15		*	*	*
02:30		*	*	*
02:45		*	*	*
03:00		*	*	*
03:15		*	*	*
03:30		*	*	*
03:45		*	*	*
04:00		*	*	*
04:15		*	*	*
04:30		*	*	*
04:45		*	*	*
05:00		*	*	*
05:15		*	*	*
05:30		*	*	*
05:45		*	*	*
06:00		*	*	*
06:15		*	*	*
06:30		*	*	*
06:45		*	*	*
07:00		*	*	*
07:15		*	*	*
07:30		*	*	*
07:45		*	*	*
08:00		*	*	*
08:15		*	*	*
08:30		*	*	*
08:45		*	*	*
09:00		13	24	37
09:15		11	10	21
09:30		5	5	10
09:45		11	12	23
10:00		8	14	22
10:15		11	10	21
10:30		14	3	17
10:45		2	8	10
11:00		0	7	7
11:15		3	11	14
11:30		2	5	7
11:45		0	6	6
Total		80	115	195
Percent		41.0%	59.0%	
Peak	-	21:45	21:00	21:00
Vol.	-	44	51	91
P.H.F.		0.786	0.531	0.615

FOR LAND USE PERMITTING (EXHIBIT B)

KEY DATA NETWORK

K-D-N.com
Tualatin, OR 97062
503-804-3294

SW 124th Ave South of Tualatin-Sherwood
Latitude: 0' 0.0000 Undefined
Longitude: 0' 0.0000 Undefined

Start Time	27-Jun-19 Thu	NB	SB	Total
12:00 AM		1	13	14
12:15		1	2	3
12:30		0	9	9
12:45		2	5	7
01:00		2	3	5
01:15		2	3	5
01:30		4	1	5
01:45		3	6	9
02:00		8	5	13
02:15		1	20	21
02:30		0	11	11
02:45		0	3	3
03:00		5	4	9
03:15		0	2	2
03:30		12	2	14
03:45		9	9	18
04:00		7	3	10
04:15		19	5	24
04:30		35	8	43
04:45		35	9	44
05:00		26	9	35
05:15		41	15	56
05:30		54	19	73
05:45		67	26	93
06:00		72	26	98
06:15		75	43	118
06:30		84	39	123
06:45		97	43	140
07:00		83	34	117
07:15		81	32	113
07:30		81	40	121
07:45		129	50	179
08:00		73	40	113
08:15		91	62	153
08:30		65	54	119
08:45		56	47	103
09:00		38	45	83
09:15		51	34	85
09:30		45	49	94
09:45		37	36	73
10:00		33	47	80
10:15		49	43	92
10:30		53	38	91
10:45		30	30	60
11:00		41	42	83
11:15		38	44	82
11:30		39	52	91
11:45		50	47	97
Total		1825	1209	3034
Percent		60.2%	39.8%	
Peak	-	07:00	08:15	07:30
Vol.	-	374	208	566
P.H.F.		0.725	0.839	0.791

FOR LAND USE PERMITTING (EXHIBIT B)

KEY DATA NETWORK

K-D-N.com
Tualatin, OR 97062
503-804-3294

SW 124th Ave South of Tualatin-Sherwood
Latitude: 0' 0.0000 Undefined
Longitude: 0' 0.0000 Undefined

Start Time	27-Jun-19 Thu	NB	SB						Total
12:00 PM		59	46						105
12:15		50	39						89
12:30		47	41						88
12:45		41	43						84
01:00		38	60						98
01:15		38	52						90
01:30		39	53						92
01:45		36	53						89
02:00		44	80						124
02:15		58	60						118
02:30		49	114						163
02:45		63	81						144
03:00		52	101						153
03:15		61	106						167
03:30		77	149						226
03:45		64	94						158
04:00		92	138					230	
04:15		80	108					188	
04:30		85	139					224	
04:45		55	119					174	
05:00		68	139					207	
05:15		59	100					159	
05:30		61	103					164	
05:45		50	95					145	
06:00		60	62					122	
06:15		38	76					114	
06:30		36	73					109	
06:45		28	48					76	
07:00		32	38					70	
07:15		32	40					72	
07:30		17	30					47	
07:45		22	12					34	
08:00		19	18					37	
08:15		21	27					48	
08:30		24	19					43	
08:45		15	24					39	
09:00		*	*					*	
09:15		*	*					*	
09:30		*	*					*	
09:45		*	*					*	
10:00		*	*					*	
10:15		*	*					*	
10:30		*	*					*	
10:45		*	*					*	
11:00		*	*					*	
11:15		*	*					*	
11:30		*	*					*	
11:45		*	*					*	
Total		1710	2580					4290	
Percent		39.9%	60.1%						
Peak	-	15:45	16:15	-	-	-	-	-	16:00
Vol.	-	321	505	-	-	-	-	-	816
P.H.F.		0.872	0.908						0.887
Grand Total		3615	3904						7519
Percent		48.1%	51.9%						
ADT		ADT 7,519	AADT 7,519						

FOR LAND USE PERMITTING (EXHIBIT B)

KEY DATA NETWORK

K-D-N.com
Tualatin, OR 97062
503-804-3294

SW 124th Ave South of T-S Rd

Latitude: 0' 0.0000 Undefined
Longitude: 0' 0.0000 Undefined

Start Time	24-Aug-19 Sat	NB	SB	Total						
12:00 AM		6	9	15						
12:15		5	8	13						
12:30		1	8	9						
12:45		1	10	11						
01:00		1	11	12						
01:15		2	2	4						
01:30		1	0	1						
01:45		2	3	5						
02:00		1	6	7						
02:15		1	3	4						
02:30		1	5	6						
02:45		2	1	3						
03:00		1	3	4						
03:15		1	2	3						
03:30		3	2	5						
03:45		5	4	9						
04:00		3	0	3						
04:15		9	0	9						
04:30		8	5	13						
04:45		7	5	12						
05:00		5	9	14						
05:15		3	6	9						
05:30		10	5	15						
05:45		15	5	20						
06:00		8	7	15						
06:15		4	6	10						
06:30		11	14	25						
06:45		20	9	29						
07:00		10	14	24						
07:15		17	20	37						
07:30		16	20	36						
07:45		25	17	42						
08:00		28	33	61						
08:15		20	23	43						
08:30		32	13	45						
08:45		33	41	74						
09:00		24	34	58						
09:15		27	37	64						
09:30		42	39	81						
09:45		37	47	84						
10:00		31	40	71						
10:15		39	50	89						
10:30		41	57	98						
10:45		35	47	82						
11:00		32	53	85						
11:15		31	60	91						
11:30		36	62	98						
11:45		33	67	100						
Total		726	922	1648						
Percent		44.1%	55.9%							
Peak	-	09:30	11:00	-	-	-	-	-	-	11:00
Vol.	-	149	242	-	-	-	-	-	-	374
P.H.F.		0.887	0.903							0.935

FOR LAND USE PERMITTING (EXHIBIT B)

KEY DATA NETWORK

K-D-N.com
Tualatin, OR 97062
503-804-3294

SW 124th Ave South of T-S Rd

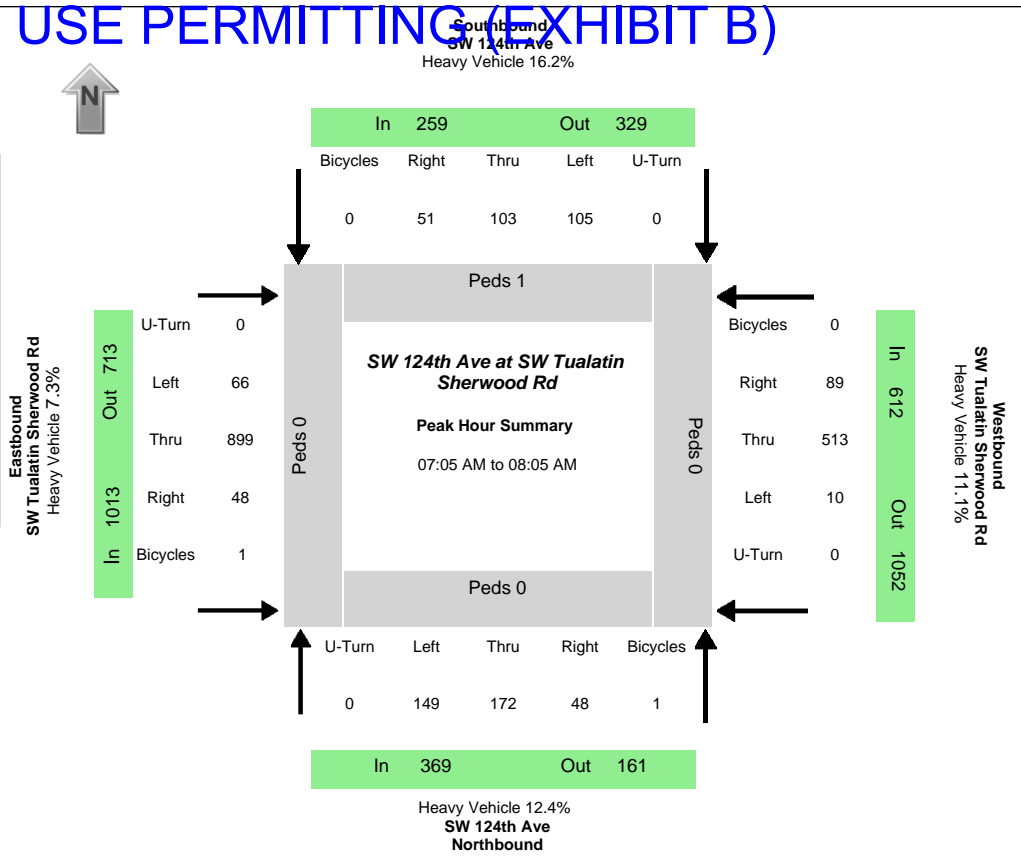
Latitude: 0' 0.0000 Undefined
Longitude: 0' 0.0000 Undefined

Start Time	24-Aug-19 Sat	NB	SB						Total
12:00 PM		42	60						102
12:15		31	63						94
12:30		46	63						109
12:45		50	82						132
01:00		51	83						134
01:15		49	74						123
01:30		51	86						137
01:45		45	77						122
02:00		84	51						135
02:15		65	82						147
02:30		75	55						130
02:45		72	52						124
03:00		59	50						109
03:15		48	61						109
03:30		40	54						94
03:45		54	35						89
04:00		41	53						94
04:15		38	53						91
04:30		49	41						90
04:45		33	46						79
05:00		37	41						78
05:15		44	41						85
05:30		45	37						82
05:45		18	40						58
06:00		28	32						60
06:15		27	32						59
06:30		28	23						51
06:45		22	32						54
07:00		26	19						45
07:15		21	16						37
07:30		17	23						40
07:45		17	22						39
08:00		33	19						52
08:15		22	25						47
08:30		24	22						46
08:45		14	25						39
09:00		11	21						32
09:15		20	23						43
09:30		14	21						35
09:45		12	8						20
10:00		12	18						30
10:15		8	19						27
10:30		11	16						27
10:45		7	14						21
11:00		6	10						16
11:15		8	2						10
11:30		6	5						11
11:45		8	4						12
Total		1569	1831						3400
Percent		46.1%	53.9%						
Peak	-	14:00	12:45	-	-	-	-	-	13:30
Vol.	-	296	325	-	-	-	-	-	541
P.H.F.		0.881	0.945						0.920
Grand Total		2295	2753						5048
Percent		45.5%	54.5%						
ADT		ADT 5,048	AADT 5,048						

KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224

N/S street	SW 124th Ave
E/W street	SW Tualatin Sherwood Rd
City, State	Portland OR
Site Notes	
Location	45.369353 - -122.805647
Start Date	Thursday, June 27, 2019
Start Time	07:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:05:00 AM
Peak 15 Min Start	07:50:00 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
149	172	48	0	105	103	51	0	66	899	48	0	10	513	89	0	369	259	1013	612	161	327	713	1052
Percent Heavy Vehicles																							
14.1%	7.0%	27.1%	0.0%	23.8%	10.7%	11.8%	0.0%	12.1%	6.5%	16.7%	0.0%	60.0%	8.6%	20.2%	0.0%	12.5%	16.2%	7.3%	11.1%	15.5%	11.6%	10.0%	9.1%

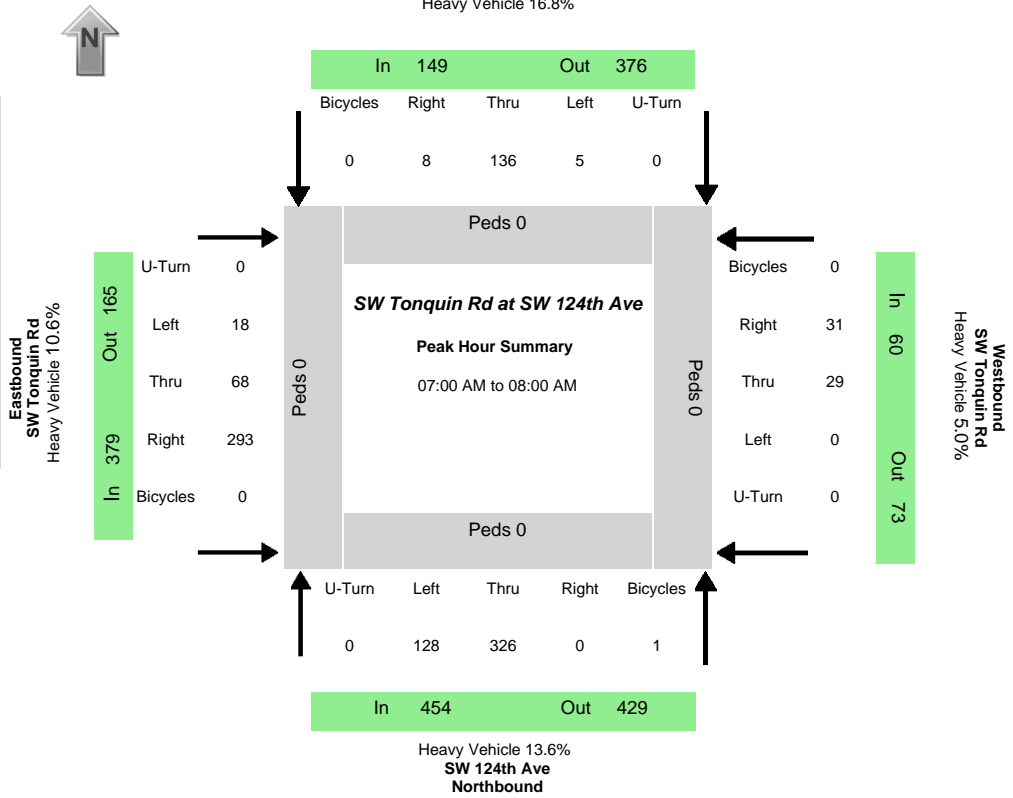
PHV - Bicycles												PHV - Pedestrians									
Northbound				Southbound				Eastbound				Westbound				in Crosswalk					
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Sum	NB	SB	EB	WB	Sum
0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2	0	1	0	0	1

All Vehicle Volumes																		
Time	Northbound SW 124th Ave				Southbound SW 124th Ave				Eastbound SW Tualatin Sherwood Rd				Westbound SW Tualatin Sherwood Rd				15 Min Sum	1 HR Sum
	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn		
07:00:00 AM	12	15	2	0	6	4	4	0	6	84	3	0	0	36	5	0		
07:05:00 AM	11	13	8	0	8	17	3	0	3	68	3	0	1	26	4	0		
07:10:00 AM	7	9	4	0	7	4	8	0	5	90	2	0	0	56	8	0	542	
07:15:00 AM	12	14	4	0	11	8	4	0	6	61	2	0	0	37	3	0	527	
07:20:00 AM	9	5	4	0	6	6	4	0	8	80	3	0	2	42	6	0	537	
07:25:00 AM	18	18	4	0	7	7	5	0	6	76	4	0	0	32	7	0	521	
07:30:00 AM	7	5	0	0	9	7	5	0	7	95	5	0	1	44	6	0	550	
07:35:00 AM	19	18	6	0	9	11	3	0	6	64	6	0	0	36	10	0	563	
07:40:00 AM	3	7	2	0	9	5	2	0	4	85	4	0	1	55	9	0	565	
07:45:00 AM	18	18	5	0	8	14	2	0	5	66	3	0	1	42	9	0	565	
07:50:00 AM	12	20	4	0	7	4	3	0	8	79	0	0	1	37	10	0	562	
07:55:00 AM	23	31	3	0	14	17	10	0	4	57	9	0	2	48	9	0	603	2231
08:00:00 AM	10	14	4	0	10	3	2	0	4	78	7	0	1	58	8	0	611	2253
08:05:00 AM	13	14	2	0	8	7	0	0	5	63	4	0	0	47	2	0	591	2253
08:10:00 AM	9	5	0	0	3	8	0	0	10	73	4	0	2	40	8	0	526	2215
08:15:00 AM	15	18	3	0	7	19	5	0	8	63	6	0	0	33	3	0	507	2233
08:20:00 AM	7	11	2	0	6	6	2	0	8	73	5	0	2	46	8	0	518	2234
08:25:00 AM	11	26	2	0	5	8	8	0	3	51	10	0	1	46	4	0	531	2225
08:30:00 AM	6	9	1	0	6	13	2	0	4	77	7	0	0	61	8	0	545	2228
08:35:00 AM	9	7	1	0	11	10	3	0	6	73	6	0	2	40	6	0	543	2214
08:40:00 AM	12	12	3	0	4	10	5	0	4	74	6	0	0	64	4	0	566	2226
08:45:00 AM	13	10	3	0	8	9	2	0	8	58	8	0	1	57	9	0	558	2221
08:50:00 AM	12	10	2	0	8	5	2	0	8	66	5	0	2	41	9	0	554	2206
08:55:00 AM	4	10	1	0	9	9	4	0	8	47	7	0	1	50	3	0	509	2132

KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224

N/S street	SW 124th Ave
E/W street	SW Tonquin Rd
City, State	Portland OR
Site Notes	
Location	45.346954 - -122.800148
Start Date	Thursday, June 27, 2019
Start Time	07:00:00 AM
Weather	
Study ID #	
Peak Hour Start	07:00:00 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
128	326	0	0	5	136	8	0	18	68	293	0	0	29	31	0	454	149	379	60	429	375	165	73
Percent Heavy Vehicles																							
18.0%	12.0%	0.0%	0.0%	0.0%	14.0%	75.0%	0.0%	33.3%	2.9%	10.9%	0.0%	0.0%	3.4%	6.5%	0.0%	13.7%	16.8%	10.6%	5.0%	11.9%	12.5%	18.2%	2.7%

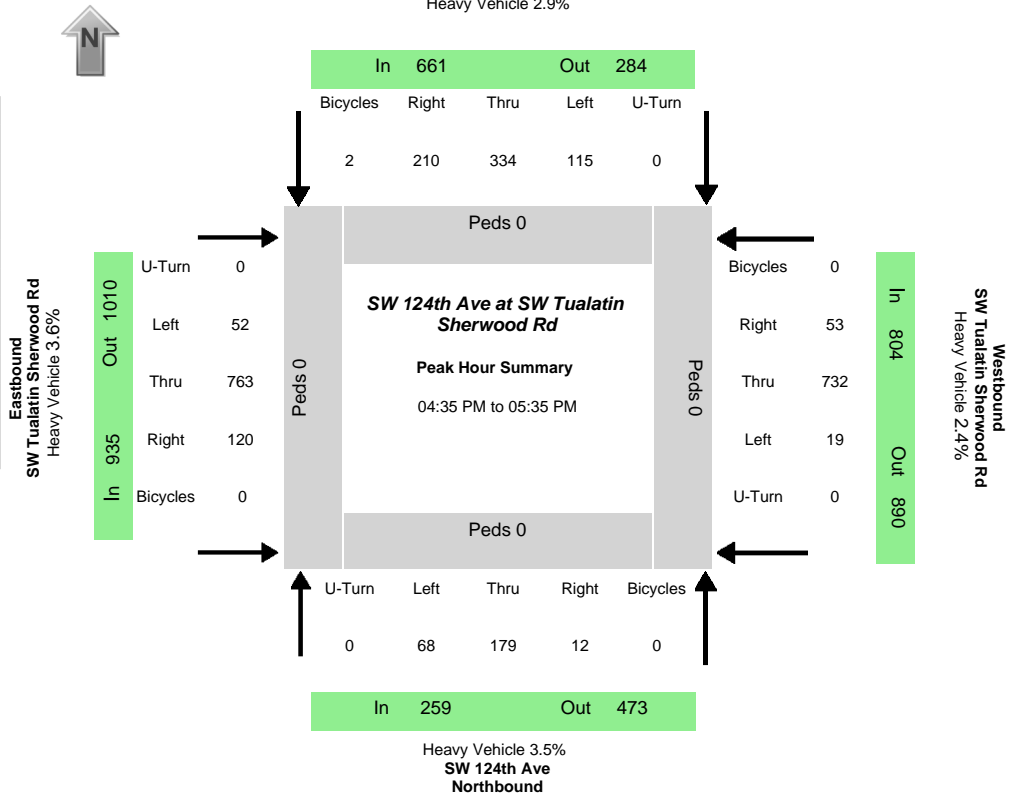
PHV - Bicycles																PHV - Pedestrians				
Northbound				Southbound				Eastbound				Westbound				in Crosswalk				Sum
Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	NB	SB	EB	WB	Sum
0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0

Time	Northbound SW 124th Ave				Southbound SW 124th Ave				Eastbound SW Tonquin Rd				Westbound SW Tonquin Rd				15 Min Sum	1 HR Sum
	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn		
07:00:00 AM	18	31	0	0	2	8	2	0	1	3	24	0	0	2	1	0		
07:05:00 AM	10	19	0	0	1	11	1	0	3	4	20	0	0	2	2	0		
07:10:00 AM	9	27	0	0	1	12	0	0	2	4	29	0	0	2	1	0	252	
07:15:00 AM	9	22	0	0	0	10	0	0	4	1	24	0	0	0	0	0	230	
07:20:00 AM	3	21	0	0	0	9	0	0	1	11	28	0	0	1	6	0	237	
07:25:00 AM	11	23	0	0	0	9	0	0	0	5	34	0	0	3	2	0	237	
07:30:00 AM	10	23	0	0	0	17	0	0	1	13	24	0	0	2	1	0	258	
07:35:00 AM	6	24	0	0	0	11	0	0	1	4	32	0	0	1	4	0	261	
07:40:00 AM	9	24	0	0	1	14	0	0	0	7	17	0	0	3	1	0	250	
07:45:00 AM	16	36	0	0	0	15	2	0	1	4	19	0	0	4	1	0	257	
07:50:00 AM	12	38	0	0	0	7	3	0	1	6	33	0	0	5	7	0	286	
07:55:00 AM	15	38	0	0	0	13	0	0	3	6	9	0	0	4	5	0	303	1042
08:00:00 AM	7	22	0	0	1	17	4	0	3	6	18	0	0	1	2	0	286	1031
08:05:00 AM	8	16	0	0	1	11	2	0	2	3	14	0	0	1	4	0	236	1020
08:10:00 AM	12	21	0	0	1	17	0	0	0	4	17	0	0	2	1	0	218	1008
08:15:00 AM	9	24	0	0	1	14	1	0	2	6	19	0	0	4	1	0	218	1019
08:20:00 AM	18	30	0	0	1	11	1	0	1	2	19	0	0	9	3	0	251	1034
08:25:00 AM	7	24	0	0	3	21	0	0	5	3	22	0	0	1	1	0	263	1034
08:30:00 AM	5	17	0	0	0	12	2	0	1	5	13	0	0	4	1	0	242	1003
08:35:00 AM	12	12	0	0	0	22	2	0	1	3	23	0	0	2	2	0	226	999
08:40:00 AM	14	29	0	0	1	10	2	0	1	7	23	0	0	2	3	0	231	1015
08:45:00 AM	12	21	0	0	5	12	2	0	0	6	15	0	0	7	2	0	253	999
08:50:00 AM	9	17	0	0	1	15	2	0	3	5	20	0	0	3	3	0	252	965
08:55:00 AM	14	7	0	0	0	9	1	0	0	3	18	0	0	5	2	0	219	931

KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224

N/S street	SW 124th Ave
E/W street	SW Tualatin Sherwood Rd
City, State	Portland OR
Site Notes	
Location	45.369353 - -122.805647
Start Date	Thursday, June 27, 2019
Start Time	04:00:00 PM
Weather	
Study ID #	
Peak Hour Start	04:35:00 PM
Peak 15 Min Start	04:35:00 PM
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
68	179	12	0	115	334	210	0	52	763	120	0	19	732	53	0	259	659	935	804	473	284	1010	890
Percent Heavy Vehicles																							
2.9%	3.4%	8.3%	0.0%	6.1%	2.7%	1.4%	0.0%	0.0%	3.4%	6.7%	0.0%	5.3%	2.0%	5.7%	0.0%	3.5%	2.9%	3.6%	2.4%	3.8%	3.2%	2.0%	3.8%

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

All Vehicle Volumes																		
Time	Northbound SW 124th Ave				Southbound SW 124th Ave				Eastbound SW Tualatin Sherwood Rd				Westbound SW Tualatin Sherwood Rd				15 Min Sum	1 HR Sum
	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn		
04:00:00 PM	5	6	2	0	7	18	19	0	2	62	16	0	4	56	5	0		
04:05:00 PM	7	31	0	0	11	30	27	0	4	59	10	0	1	40	3	0		
04:10:00 PM	12	20	1	0	8	24	20	0	3	59	12	0	5	53	8	0	650	
04:15:00 PM	12	20	4	0	11	30	18	0	5	58	10	0	2	48	7	0	673	
04:20:00 PM	8	14	2	0	13	23	15	0	3	59	8	0	1	49	6	0	651	
04:25:00 PM	1	14	1	0	6	26	8	0	6	49	8	0	5	49	3	0	602	
04:30:00 PM	16	10	2	0	13	18	12	0	6	66	8	0	4	53	4	0	589	
04:35:00 PM	9	25	3	0	16	33	23	0	6	62	10	0	1	45	6	0	627	
04:40:00 PM	4	16	0	0	6	32	20	0	4	70	15	0	2	63	2	0	685	
04:45:00 PM	5	25	1	0	19	41	22	0	6	59	11	0	2	48	3	0	715	
04:50:00 PM	6	9	0	0	10	24	12	0	0	70	12	0	2	71	6	0	698	
04:55:00 PM	4	18	0	0	6	26	18	0	6	52	6	0	1	55	4	0	660	2597
05:00:00 PM	5	10	5	0	6	10	16	0	3	56	11	0	4	74	6	0	624	2601
05:05:00 PM	6	20	1	0	8	28	13	0	6	59	7	0	2	64	5	0	621	2597
05:10:00 PM	7	8	0	0	13	33	23	0	7	62	15	0	4	56	5	0	658	2605
05:15:00 PM	5	15	1	0	7	29	9	0	1	73	6	0	1	63	5	0	667	2595
05:20:00 PM	4	13	0	0	8	20	18	0	5	72	9	0	0	55	2	0	654	2600
05:25:00 PM	4	11	1	0	3	33	19	0	4	67	9	0	0	64	4	0	640	2643
05:30:00 PM	9	9	0	0	13	25	17	0	4	61	9	0	0	74	5	0	651	2657
05:35:00 PM	7	19	0	0	13	28	10	0	2	54	11	0	2	55	4	0	650	2623
05:40:00 PM	4	14	0	0	5	11	11	0	7	53	11	0	1	71	6	0	625	2583
05:45:00 PM	7	16	2	0	11	28	14	0	1	68	9	0	1	71	5	0	632	2574
05:50:00 PM	11	4	0	0	9	19	11	0	2	60	10	0	4	73	9	0	639	2564
05:55:00 PM	10	6	1	0	9	17	14	0	1	66	15	0	1	67	4	0	656	2579

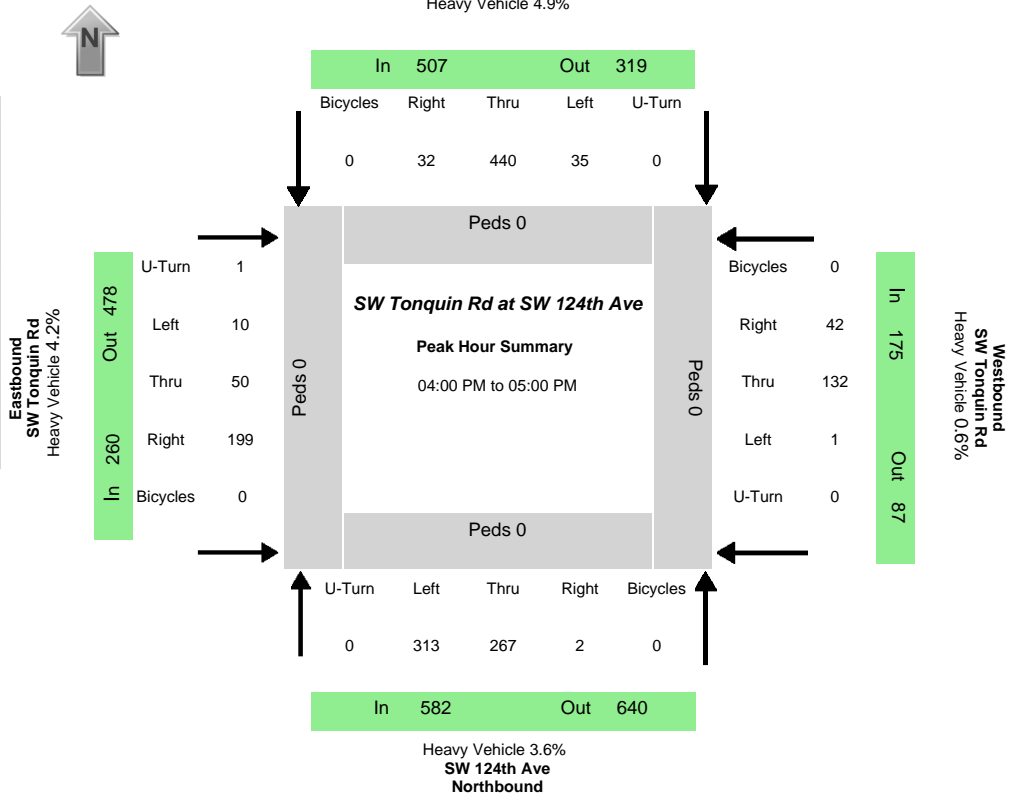


FOR LAND USE PERMITTING (EXHIBIT B)

KEY DATA NETWORK

Data Provided by K-D-N.com 503-594-4224

N/S street	SW 124th Ave
E/W street	SW Tonquin Rd
City, State	Portland OR
Site Notes	
Location	45.346954 - -122.800148
Start Date	Thursday, June 27, 2019
Start Time	04:00:00 PM
Weather	
Study ID #	
Peak Hour Start	04:00:00 PM
Peak 15 Min Start	04:35:00 PM
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
313	267	2	0	35	440	32	0	10	50	199	1	1	132	42	0	582	507	260	175	640	319	478	87
Percent Heavy Vehicles																							
1.6%	6.0%	0.0%	0.0%	2.9%	5.2%	3.1%	0.0%	30.0%	0.0%	4.0%	0.0%	0.0%	0.0%	2.4%	0.0%	3.6%	4.9%	4.2%	0.6%	4.8%	6.3%	1.3%	1.1%

PHV - Bicycles														PHV - Pedestrians							
Northbound				Southbound				Eastbound				Westbound				in Crosswalk				Sum	
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

Time	Northbound SW 124th Ave				Southbound SW 124th Ave				Eastbound SW Tonquin Rd				Westbound SW Tonquin Rd				15 Min Sum	1 HR Sum
	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn	Left	Thru	Right	Uturn		
04:00:00 PM	23	32	0	0	4	32	1	0	0	6	9	0	0	8	6	0		
04:05:00 PM	24	27	0	0	5	38	5	0	4	4	19	0	1	7	1	0		
04:10:00 PM	35	19	0	0	3	32	1	0	3	3	21	0	0	12	6	0	391	
04:15:00 PM	27	30	0	0	3	49	2	0	1	3	13	0	0	8	2	0	408	
04:20:00 PM	25	12	0	0	3	30	0	0	0	3	20	0	0	10	3	0	379	
04:25:00 PM	23	27	0	0	2	37	3	0	0	4	12	0	0	12	4	0	368	
04:30:00 PM	25	24	0	0	2	22	6	0	0	7	14	0	0	9	4	0	343	
04:35:00 PM	19	28	1	0	2	37	5	0	1	4	14	0	0	16	4	0	368	
04:40:00 PM	26	22	1	0	0	37	0	0	1	6	22	1	0	14	2	0	376	
04:45:00 PM	36	18	0	0	5	52	2	0	0	1	21	0	0	10	2	0	410	
04:50:00 PM	24	15	0	0	2	37	4	0	0	5	15	0	0	20	4	0	405	
04:55:00 PM	26	13	0	0	4	37	3	0	0	4	19	0	0	6	4	0	389	1524
05:00:00 PM	21	23	0	0	0	31	1	0	3	6	11	0	0	13	3	0	354	1515
05:05:00 PM	20	17	0	0	5	32	8	0	0	7	20	0	0	13	1	0	351	1503
05:10:00 PM	22	18	0	0	6	42	4	0	0	4	14	0	0	10	1	0	356	1489
05:15:00 PM	37	15	0	0	2	38	1	0	0	4	11	0	0	16	2	0	370	1477
05:20:00 PM	22	13	0	0	3	30	1	0	0	5	16	0	0	10	4	0	351	1475
05:25:00 PM	26	21	0	0	2	30	2	0	1	6	14	0	0	7	3	0	342	1463
05:30:00 PM	17	10	0	0	3	29	1	0	0	3	17	0	0	19	4	0	319	1453
05:35:00 PM	26	23	0	0	3	35	4	0	0	4	12	0	0	9	1	0	332	1439
05:40:00 PM	15	21	0	0	3	28	2	0	2	1	18	0	0	9	2	0	321	1408
05:45:00 PM	24	13	0	0	2	30	1	0	0	3	13	0	0	14	1	0	319	1362
05:50:00 PM	25	18	0	0	3	22	1	0	0	6	4	0	1	5	1	0	288	1322
05:55:00 PM	25	15	0	0	3	34	0	0	0	6	20	0	0	4	1	0	295	1314

FOR LAND USE PERMITTING (EXHIBIT B)

KEY DATA NETWORK

K-D-N.com
Tualatin, OR 97062
503-804-3294

SW 124th Ave South of Tualatin-Sherwood
Latitude: 0' 0.0000 Undefined
Longitude: 0' 0.0000 Undefined

NB

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
06/26/19	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
00:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
00:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
00:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

FOR LAND USE PERMITTING (EXHIBIT B)

KEY DATA NETWORK

K-D-N.com
Tualatin, OR 97062
503-804-3294

SW 124th Ave South of Tualatin-Sherwood
Latitude: 0' 0.0000 Undefined
Longitude: 0' 0.0000 Undefined

NB

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
12 PM	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:15	0	0	0	0	0	3	1	6	0	2	0	1	0	0	13
21:30	0	0	0	0	0	0	3	4	2	2	0	0	0	0	11
21:45	0	0	0	0	0	3	2	3	3	0	0	0	0	0	11
22:00	0	0	0	0	0	6	6	15	5	6	0	2	0	0	40
22:15	0	0	0	0	0	0	1	4	1	1	1	0	0	0	8
22:30	0	0	0	0	1	0	4	5	1	0	0	0	0	0	11
22:45	0	0	0	0	0	1	1	7	5	0	0	0	0	0	14
23:00	0	0	0	0	1	1	7	16	8	1	1	0	0	0	35
23:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	3	0	0	0	0	3
23:45	0	0	0	0	0	0	1	0	1	0	0	0	0	0	2
Total	0	0	0	0	1	7	14	31	14	10	1	2	0	0	80

FOR LAND USE PERMITTING (EXHIBIT B)

KEY DATA NETWORK

K-D-N.com
Tualatin, OR 97062
503-804-3294

SW 124th Ave South of Tualatin-Sherwood
Latitude: 0' 0.0000 Undefined
Longitude: 0' 0.0000 Undefined

NB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
06/27/19	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
00:15	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
00:45	0	0	0	0	0	1	0	0	1	0	0	0	0	0	2
01:00	0	0	0	0	0	1	0	1	1	1	0	0	0	0	4
01:15	0	0	0	0	0	0	1	0	1	0	0	0	0	0	2
01:30	0	0	0	0	0	1	1	2	0	0	0	0	0	1	2
01:45	0	0	0	0	0	0	1	1	1	0	0	0	0	0	4
02:00	0	0	0	0	0	1	4	3	2	0	0	0	0	1	11
02:15	0	0	0	0	0	1	2	4	0	1	0	0	0	0	8
02:30	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
02:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	1	3	4	0	1	0	0	0	0	0	9
03:15	0	0	0	0	0	0	0	2	1	0	0	0	1	0	5
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:45	0	0	0	0	0	2	3	4	3	0	0	0	0	0	12
04:00	0	0	0	0	1	2	4	9	8	1	0	0	1	0	26
04:15	0	0	0	0	0	0	5	2	0	0	0	0	0	0	7
04:30	0	0	0	0	0	2	6	6	3	0	2	0	0	0	19
04:45	1	0	0	0	0	4	5	15	8	2	0	0	0	0	35
05:00	0	0	0	0	0	0	9	17	6	3	0	0	0	0	35
05:15	1	0	0	0	0	6	25	40	17	5	2	0	0	0	96
05:30	0	0	0	0	0	1	1	13	7	2	2	0	0	0	26
05:45	1	0	0	0	1	15	4	10	7	2	0	1	0	0	41
06:00	0	0	0	0	0	0	10	23	17	3	1	0	0	0	54
06:15	0	0	0	0	0	1	12	20	21	12	0	1	0	0	67
06:30	1	0	0	0	1	17	27	66	52	19	3	2	0	0	188
06:45	0	0	0	0	0	7	24	24	13	3	1	0	0	0	72
07:00	0	0	0	0	0	5	24	32	9	4	1	0	0	0	75
07:15	0	0	0	0	2	10	25	29	15	1	1	1	0	0	84
07:30	0	0	0	0	0	3	32	38	21	3	0	0	0	0	97
07:45	0	0	0	0	2	25	105	123	58	11	3	1	0	0	328
08:00	1	0	0	0	6	8	32	22	8	5	1	0	0	0	83
08:15	0	0	0	0	0	16	26	22	14	3	0	0	0	0	81
08:30	1	0	0	0	8	3	34	22	9	4	0	0	0	0	81
08:45	1	0	0	0	0	5	50	45	21	5	2	0	0	0	129
09:00	3	0	0	0	14	32	142	111	52	17	3	0	0	0	374
09:15	2	0	0	0	4	13	16	21	13	3	1	0	0	0	73
09:30	3	0	0	0	0	6	27	37	15	3	0	0	0	0	91
09:45	1	0	0	0	0	0	17	22	21	4	0	0	0	0	65
10:00	0	0	0	0	0	7	13	23	11	1	1	0	0	0	56
10:15	6	0	0	0	4	26	73	103	60	11	2	0	0	0	285
10:30	1	0	0	0	5	2	11	11	5	2	0	1	0	0	38
10:45	2	0	0	0	0	2	18	17	9	2	1	0	0	0	51
11:00	4	0	0	5	1	7	7	9	11	0	1	0	0	0	45
11:15	1	0	0	0	0	2	8	18	4	3	1	0	0	0	37
11:30	8	0	0	5	6	13	44	55	29	7	3	1	0	0	171
11:45	1	0	1	0	0	3	9	11	4	4	0	0	0	0	33
12:00	1	1	0	0	3	3	17	12	5	4	3	0	0	0	49
12:15	1	0	0	1	0	2	13	19	13	3	1	0	0	0	53
12:30	0	0	0	0	1	1	5	12	7	2	2	0	0	0	30
12:45	3	1	1	1	4	9	44	54	29	13	6	0	0	0	165
13:00	1	0	0	0	0	0	14	16	6	4	0	0	0	0	41
13:15	1	0	0	0	1	3	11	15	6	1	0	0	0	0	38
13:30	0	0	0	0	2	0	7	20	6	3	1	0	0	0	39
13:45	2	0	0	0	1	3	16	15	9	4	0	0	0	0	50
14:00	4	0	0	0	4	6	48	66	27	12	1	0	0	0	168
Total	26	1	1	6	36	139	519	635	335	98	23	4	1	1	1825

FOR LAND USE PERMITTING (EXHIBIT B)

KEY DATA NETWORK

K-D-N.com
Tualatin, OR 97062
503-804-3294

SW 124th Ave South of Tualatin-Sherwood
Latitude: 0' 0.0000 Undefined
Longitude: 0' 0.0000 Undefined

NB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12 PM	2	0	2	1	0	7	21	16	8	0	2	0	0	0	59
12:15	0	0	0	0	0	1	21	20	5	2	1	0	0	0	50
12:30	0	0	0	0	1	2	9	23	8	2	1	1	0	0	47
12:45	2	0	0	0	0	0	6	13	12	6	2	0	0	0	41
	4	0	2	1	1	10	57	72	33	10	6	1	0	0	197
13:00	0	0	0	0	0	1	9	13	8	7	0	0	0	0	38
13:15	1	0	0	0	4	4	6	10	11	2	0	0	0	0	38
13:30	0	0	0	0	0	1	11	20	6	1	0	0	0	0	39
13:45	2	0	0	0	0	3	9	17	2	3	0	0	0	0	36
	3	0	0	0	4	9	35	60	27	13	0	0	0	0	151
14:00	0	0	0	0	3	1	9	19	10	2	0	0	0	0	44
14:15	2	0	1	0	0	0	14	24	14	3	0	0	0	0	58
14:30	2	0	0	0	0	2	13	16	11	5	0	0	0	0	49
14:45	2	0	0	0	0	0	16	30	13	2	0	0	0	0	63
	6	0	1	0	3	3	52	89	48	12	0	0	0	0	214
15:00	1	0	0	0	0	7	10	20	10	3	1	0	0	0	52
15:15	1	0	0	0	0	1	29	17	11	1	1	0	0	0	61
15:30	3	0	0	0	0	7	25	22	15	4	1	0	0	0	77
15:45	4	0	0	0	0	7	17	19	13	3	1	0	0	0	64
	9	0	0	0	0	22	81	78	49	11	4	0	0	0	254
16:00	1	0	0	0	0	3	17	53	15	3	0	0	0	0	92
16:15	2	0	0	0	0	4	14	40	15	5	0	0	0	0	80
16:30	1	0	0	0	0	6	26	38	12	2	0	0	0	0	85
16:45	4	0	0	0	0	1	15	21	10	4	0	0	0	0	55
	8	0	0	0	0	14	72	152	52	14	0	0	0	0	312
17:00	1	0	0	0	0	0	6	42	16	3	0	0	0	0	68
17:15	2	0	0	0	2	3	5	21	17	9	0	0	0	0	59
17:30	2	0	0	0	0	5	18	18	12	5	1	0	0	0	61
17:45	3	0	0	0	0	1	12	22	8	3	0	0	1	0	50
	8	0	0	0	2	9	41	103	53	20	1	0	1	0	238
18:00	0	0	0	0	0	0	10	27	15	5	3	0	0	0	60
18:15	2	0	0	0	0	0	4	13	18	1	0	0	0	0	38
18:30	1	0	0	0	0	1	11	15	5	2	0	1	0	0	36
18:45	0	0	0	0	0	1	3	8	14	2	0	0	0	0	28
	3	0	0	0	0	2	28	63	52	10	3	1	0	0	162
19:00	0	0	0	0	0	1	8	9	9	3	0	0	0	2	32
19:15	1	0	0	0	0	1	10	11	7	1	1	0	0	0	32
19:30	0	0	0	0	0	2	6	4	5	0	0	0	0	0	17
19:45	0	0	0	0	0	1	6	5	6	4	0	0	0	0	22
	1	0	0	0	0	5	30	29	27	8	1	0	0	2	103
20:00	0	0	0	0	2	1	1	7	7	1	0	0	0	0	19
20:15	0	0	0	0	0	0	4	9	7	1	0	0	0	0	21
20:30	0	0	0	0	0	1	2	14	3	4	0	0	0	0	24
20:45	0	0	0	0	0	1	3	4	4	1	1	0	1	0	15
	0	0	0	0	2	3	10	34	21	7	1	0	1	0	79
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	42	0	3	1	12	77	406	680	362	105	16	2	2	2	1710
Grand Total	68	1	4	7	49	223	939	1346	711	213	40	8	3	3	3615

15th Percentile : 41 MPH
50th Percentile : 46 MPH
85th Percentile : 53 MPH
95th Percentile : 56 MPH

Stats
Mean Speed(Average) : 47 MPH
10 MPH Pace Speed : 41-50 MPH
Number in Pace : 2285
Percent in Pace : 63.2%
Number of Vehicles > 45 MPH : 2324
Percent of Vehicles > 45 MPH : 64.3%

FOR LAND USE PERMITTING (EXHIBIT B)

KEY DATA NETWORK

K-D-N.com
Tualatin, OR 97062
503-804-3294

SW 124th Ave South of Tualatin-Sherwood
Latitude: 0' 0.0000 Undefined
Longitude: 0' 0.0000 Undefined

SB

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
06/26/19	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
00:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
00:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
00:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

FOR LAND USE PERMITTING (EXHIBIT B)

KEY DATA NETWORK

K-D-N.com
Tualatin, OR 97062
503-804-3294

SW 124th Ave South of Tualatin-Sherwood
Latitude: 0' 0.0000 Undefined
Longitude: 0' 0.0000 Undefined

SB

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
12 PM	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:15	0	0	0	0	0	0	3	7	10	2	1	1	0	0	24
21:30	0	0	0	0	0	0	1	2	4	1	1	0	0	0	10
21:45	0	0	0	0	1	0	1	5	4	1	0	0	0	0	12
22:00	0	0	0	0	1	0	6	15	20	5	2	2	0	0	51
22:15	0	0	0	0	0	0	1	5	6	2	0	0	0	0	14
22:30	0	0	0	0	0	0	0	5	5	0	0	0	0	0	10
22:45	0	0	0	0	0	1	1	0	1	0	0	0	0	0	3
23:00	0	0	0	0	0	1	2	3	2	0	0	0	0	0	8
23:15	0	0	0	0	0	2	4	13	14	2	0	0	0	0	35
23:30	0	0	0	0	0	0	0	3	3	1	0	0	0	0	7
23:45	0	0	0	0	0	0	1	4	3	2	1	0	0	0	11
	0	0	0	0	0	0	1	2	1	0	0	1	0	0	5
	0	0	0	0	0	0	0	3	1	1	1	0	0	0	6
	0	0	0	0	0	0	2	12	8	4	2	1	0	0	29
Total	0	0	0	0	1	2	12	40	42	11	4	3	0	0	115

FOR LAND USE PERMITTING (EXHIBIT B)

KEY DATA NETWORK

K-D-N.com
Tualatin, OR 97062
503-804-3294

SW 124th Ave South of Tualatin-Sherwood
Latitude: 0' 0.0000 Undefined
Longitude: 0' 0.0000 Undefined

SB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
06/27/19	0	0	0	0	0	1	1	4	3	3	1	0	0	0	13
00:15	0	0	0	0	0	0	0	1	0	1	0	0	0	0	2
00:30	0	0	0	0	0	0	1	2	3	2	0	0	0	1	9
00:45	0	0	0	0	0	0	0	0	4	1	0	0	0	0	5
01:00	0	0	0	0	0	1	2	7	10	7	1	0	0	1	29
01:15	1	0	0	0	0	0	0	1	1	0	0	0	0	0	3
01:30	0	0	0	0	0	0	1	2	0	0	0	0	0	0	3
01:45	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
02:00	0	0	0	0	0	0	0	2	1	3	0	0	0	0	6
02:15	1	0	0	0	0	0	1	6	2	3	0	0	0	0	13
02:30	0	0	0	0	0	0	0	2	3	0	0	0	0	0	5
02:45	0	0	0	0	0	0	0	5	12	3	0	0	0	0	20
03:00	0	0	0	0	0	0	1	6	2	1	0	1	0	0	11
03:15	0	0	0	0	0	0	0	2	0	0	1	0	0	0	3
03:30	0	0	0	0	0	0	1	15	17	4	1	1	0	0	39
03:45	0	0	0	0	0	0	0	2	2	0	0	0	0	0	4
04:00	0	0	0	0	0	0	0	1	1	0	0	0	0	0	2
04:15	0	0	0	0	1	0	1	0	0	0	0	0	0	0	2
04:30	0	0	0	0	0	0	1	3	4	0	1	0	0	0	9
04:45	0	0	0	0	1	0	2	6	7	0	1	0	0	0	17
05:00	0	0	0	0	0	0	2	0	1	0	0	0	0	0	3
05:15	0	0	0	0	0	0	1	1	2	0	1	0	0	0	5
05:30	0	0	0	0	0	0	5	1	1	1	0	0	0	0	8
05:45	0	0	0	0	0	0	1	4	3	1	0	0	0	0	9
06:00	0	0	0	0	0	0	9	6	7	2	1	0	0	0	25
06:15	0	0	0	0	0	1	0	4	2	2	0	0	0	0	9
06:30	0	0	0	0	0	0	1	6	4	3	1	0	0	0	15
06:45	1	0	0	0	0	0	0	3	9	6	0	0	0	0	19
07:00	0	0	0	0	0	0	7	3	9	5	2	0	0	0	26
07:15	1	0	0	0	0	1	8	16	24	16	3	0	0	0	69
07:30	1	0	0	0	0	1	3	3	11	6	0	0	0	1	26
07:45	0	0	0	0	0	0	6	17	15	4	1	0	0	0	43
08:00	2	0	0	0	0	0	9	13	9	4	1	1	0	0	39
08:15	1	0	0	0	0	0	1	13	15	9	4	0	0	0	43
08:30	4	0	0	0	0	1	19	46	50	23	6	1	0	1	151
08:45	1	0	0	0	0	1	5	11	12	3	1	0	0	0	34
09:00	1	0	0	0	0	6	3	11	8	3	0	0	0	0	32
09:15	2	0	0	0	0	0	3	12	15	6	2	0	0	0	40
09:30	0	0	0	0	0	1	15	17	10	6	1	0	0	0	50
09:45	4	0	0	0	0	8	26	51	45	18	4	0	0	0	156
10:00	0	0	0	0	0	2	8	12	12	4	2	0	0	0	40
10:15	3	0	0	0	0	12	10	17	16	1	3	0	0	0	62
10:30	1	0	0	0	0	4	11	24	9	1	1	3	0	0	54
10:45	1	0	0	0	0	2	11	14	12	5	2	0	0	0	47
11:00	5	0	0	0	0	20	40	67	49	11	8	3	0	0	203
11:15	0	0	0	0	0	10	4	16	15	0	0	0	0	0	45
11:30	2	0	0	0	0	1	8	10	10	3	0	0	0	0	34
11:45	1	0	0	0	0	2	11	23	8	2	2	0	0	0	49
12:00	1	0	0	0	0	5	12	6	10	2	0	0	0	0	36
12:15	4	0	0	0	0	18	35	55	43	7	2	0	0	0	164
12:30	0	0	0	0	0	0	15	18	9	4	1	0	0	0	47
12:45	3	0	0	0	0	4	11	11	14	0	0	0	0	0	43
13:00	2	0	0	0	0	0	10	13	11	2	0	0	0	0	38
13:15	0	0	0	0	0	1	6	13	9	0	1	0	0	0	30
13:30	5	0	0	0	0	5	42	55	43	6	2	0	0	0	158
13:45	1	0	0	0	0	2	5	17	15	2	0	0	0	0	42
14:00	3	0	0	0	0	3	9	11	10	7	1	0	0	0	44
14:15	1	0	0	0	0	5	16	17	10	3	0	0	0	0	52
14:30	0	0	0	0	0	2	15	16	11	3	0	0	0	0	47
14:45	5	0	0	0	0	12	45	61	46	15	1	0	0	0	185
Total	29	0	0	0	1	66	230	391	343	112	30	5	0	2	1209

FOR LAND USE PERMITTING (EXHIBIT B)

KEY DATA NETWORK

K-D-N.com
Tualatin, OR 97062
503-804-3294

SW 124th Ave South of Tualatin-Sherwood
Latitude: 0' 0.0000 Undefined
Longitude: 0' 0.0000 Undefined

SB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12 PM	2	0	0	0	0	0	17	10	15	2	0	0	0	0	46
12:15	1	0	0	0	0	3	11	9	14	1	0	0	0	0	39
12:30	0	0	0	0	0	0	14	8	16	2	0	1	0	0	41
12:45	0	0	0	0	0	2	13	16	10	1	1	0	0	0	43
13:00	3	0	0	0	0	5	55	43	55	6	1	1	0	0	169
13:15	2	0	0	0	0	2	19	23	7	4	3	0	0	0	60
13:30	3	0	0	0	0	4	11	23	9	3	2	0	0	0	52
13:45	0	0	0	0	0	4	13	24	6	2	1	0	0	0	53
14:00	5	0	0	0	0	12	56	90	35	12	8	0	0	0	218
14:15	1	0	0	0	0	2	15	33	22	6	1	0	0	0	80
14:30	3	0	0	0	0	4	31	54	20	2	0	0	0	0	114
14:45	4	0	0	0	0	1	19	24	21	6	5	1	0	0	81
15:00	9	0	0	0	0	8	85	123	87	16	6	1	0	0	335
15:15	4	0	0	0	0	0	12	27	44	12	2	0	0	0	101
15:30	6	0	0	0	0	4	23	51	17	4	0	1	0	0	106
15:45	6	0	0	0	0	2	48	55	28	7	2	1	0	0	149
16:00	3	0	0	0	1	12	26	30	18	3	1	0	0	0	94
16:15	19	0	0	0	1	18	109	163	107	26	5	2	0	0	450
16:30	5	0	0	0	0	6	48	39	31	8	1	0	0	0	138
16:45	3	0	0	0	0	4	33	40	23	4	1	0	0	0	108
17:00	6	0	0	0	0	1	36	47	38	11	0	0	0	0	139
17:15	4	0	0	0	3	17	19	41	28	6	1	0	0	0	119
17:30	18	0	0	0	3	28	136	167	120	29	3	0	0	0	504
17:45	7	0	0	0	0	2	25	56	29	18	1	1	0	0	139
18:00	2	0	0	0	0	1	24	43	26	3	0	1	0	0	100
18:15	2	0	0	0	0	5	26	33	25	11	1	0	0	0	103
18:30	2	0	0	0	0	0	4	43	39	7	0	0	0	0	95
18:45	13	0	0	0	0	8	79	175	119	39	2	2	0	0	437
19:00	2	0	0	0	0	0	2	29	20	9	0	0	0	0	62
19:15	3	0	0	0	0	1	3	23	35	11	0	0	0	0	76
19:30	1	0	0	0	0	0	18	15	26	9	3	1	0	0	73
19:45	0	0	0	0	0	0	5	16	19	4	4	0	0	0	48
20:00	6	0	0	0	0	1	28	83	100	33	7	1	0	0	259
20:15	0	0	0	0	0	0	10	13	11	2	1	0	1	0	38
20:30	0	0	0	0	0	1	2	20	13	3	1	0	0	0	40
20:45	1	0	0	0	0	1	6	9	11	2	0	0	0	0	30
21:00	0	0	0	0	0	1	2	4	3	1	1	0	0	0	12
21:15	1	0	0	0	0	3	20	46	38	8	3	0	1	0	120
21:30	0	0	0	0	0	0	6	5	5	1	1	0	0	0	18
21:45	0	0	0	0	0	0	4	15	8	0	0	0	0	0	27
22:00	0	0	0	0	0	0	2	7	4	5	1	0	0	0	19
22:15	0	0	0	0	0	1	1	8	8	5	1	0	0	0	24
22:30	0	0	0	0	0	1	13	35	25	11	3	0	0	0	88
22:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	74	0	0	0	4	84	581	925	686	180	38	7	1	0	2580
Grand Total	103	0	0	0	6	152	823	1356	1071	303	72	15	1	2	3904

15th Percentile : 41 MPH
50th Percentile : 48 MPH
85th Percentile : 54 MPH
95th Percentile : 58 MPH

Stats
Mean Speed(Average) : 48 MPH
10 MPH Pace Speed : 46-55 MPH
Number in Pace : 2427
Percent in Pace : 62.2%
Number of Vehicles > 45 MPH : 2820
Percent of Vehicles > 45 MPH : 72.2%

FOR LAND USE PERMITTING (EXHIBIT B)

KEY DATA NETWORK

K-D-N.com
Tualatin, OR 97062
503-804-3294

SW 124th Ave South of Tualatin-Sherwood
Latitude: 0' 0.0000 Undefined
Longitude: 0' 0.0000 Undefined

NB, SB

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
06/26/19	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
00:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
00:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
00:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

FOR LAND USE PERMITTING (EXHIBIT B)

KEY DATA NETWORK

K-D-N.com
Tualatin, OR 97062
503-804-3294

SW 124th Ave South of Tualatin-Sherwood
Latitude: 0' 0.0000 Undefined
Longitude: 0' 0.0000 Undefined

NB, SB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12 PM	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	0	0	0	0	0	0	3	4	13	4	1	2	0	0	37
21:15	0	0	0	0	0	0	4	6	6	3	1	1	0	0	21
21:30	0	0	0	0	0	0	1	3	2	3	0	1	0	0	10
21:45	0	0	0	0	1	3	3	8	7	1	0	0	0	0	23
22:00	0	0	0	0	1	6	12	30	25	11	2	4	0	0	91
22:15	0	0	0	0	0	0	2	9	7	3	1	0	0	0	22
22:30	0	0	0	0	1	0	4	10	6	0	0	0	0	0	21
22:45	0	0	0	0	0	2	2	7	6	0	0	0	0	0	17
23:00	0	0	0	0	1	3	11	29	22	3	1	0	0	0	70
23:15	0	0	0	0	0	0	0	3	3	1	0	0	0	0	7
23:30	0	0	0	0	0	0	1	4	3	5	1	0	0	0	14
23:45	0	0	0	0	0	0	2	2	2	0	0	1	0	0	7
Total	0	0	0	0	2	9	26	71	56	21	5	5	0	0	195

FOR LAND USE PERMITTING (EXHIBIT B)

KEY DATA NETWORK

K-D-N.com
Tualatin, OR 97062
503-804-3294

SW 124th Ave South of Tualatin-Sherwood
Latitude: 0' 0.0000 Undefined
Longitude: 0' 0.0000 Undefined

NB, SB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
06/27/19	0	0	0	0	0	1	1	4	3	4	1	0	0	0	14
00:15	0	0	0	0	0	0	0	2	0	1	0	0	0	0	3
00:30	0	0	0	0	0	0	1	2	3	2	0	0	0	1	9
00:45	0	0	0	0	0	1	0	0	5	1	0	0	0	0	7
01:00	0	0	0	0	0	2	2	8	11	8	1	0	0	1	33
01:15	1	0	0	0	0	0	1	1	2	0	0	0	0	0	5
01:30	0	0	0	0	0	0	2	2	0	0	0	0	0	1	5
01:45	0	0	0	0	0	1	1	3	0	0	0	0	0	0	5
02:00	0	0	0	0	0	0	1	3	2	3	0	0	0	0	9
02:15	1	0	0	0	0	1	5	9	4	3	0	0	0	1	24
02:30	0	0	0	0	0	1	2	6	3	1	0	0	0	0	13
02:45	0	0	0	0	0	0	1	5	12	3	0	0	0	0	21
03:00	0	0	0	0	0	0	1	6	2	1	0	1	0	0	11
03:15	0	0	0	0	0	0	0	2	0	0	1	0	0	0	3
03:30	0	0	0	0	0	1	4	19	17	5	1	1	0	0	48
03:45	0	0	0	0	1	0	0	4	3	0	0	0	1	0	9
04:00	0	0	0	0	0	0	0	1	1	0	0	0	0	0	2
04:15	0	0	0	0	1	2	4	4	3	0	0	0	0	0	14
04:30	0	0	0	0	0	2	2	6	8	1	1	0	0	0	18
04:45	0	0	0	0	2	2	6	15	15	1	1	0	1	0	43
05:00	0	0	0	0	0	0	7	2	1	0	0	0	0	0	10
05:15	0	0	0	0	0	2	7	7	5	0	3	0	0	0	24
05:30	1	0	0	0	0	4	10	16	9	3	0	0	0	0	43
05:45	0	0	0	0	0	0	10	21	9	4	0	0	0	0	44
06:00	1	0	0	0	0	6	34	46	24	7	3	0	0	0	121
06:15	0	0	0	0	0	2	1	17	9	4	2	0	0	0	35
06:30	1	0	0	0	1	15	5	16	11	5	1	1	0	0	56
06:45	1	0	0	0	0	0	10	26	26	9	1	0	0	0	73
07:00	0	0	0	0	0	1	19	23	30	17	2	1	0	0	93
07:15	2	0	0	0	1	18	35	82	76	35	6	2	0	0	257
07:30	1	0	0	0	0	8	27	27	24	9	1	0	0	1	98
07:45	0	0	0	0	0	5	30	49	24	8	2	0	0	0	118
08:00	2	0	0	0	2	10	34	42	24	5	2	2	0	0	123
08:15	1	0	0	0	0	3	33	51	36	12	4	0	0	0	140
08:30	4	0	0	0	2	26	124	169	108	34	9	2	0	1	479
08:45	2	0	0	0	6	9	37	33	20	8	2	0	0	0	117
09:00	1	0	0	0	0	22	29	33	22	6	0	0	0	0	113
09:15	3	0	0	0	8	3	37	34	24	10	2	0	0	0	121
09:30	1	0	0	0	0	6	65	62	31	11	3	0	0	0	179
09:45	7	0	0	0	14	40	168	162	97	35	7	0	0	0	530
10:00	2	0	0	0	4	15	24	33	25	7	3	0	0	0	113
10:15	6	0	0	0	0	18	37	54	31	4	3	0	0	0	153
10:30	2	0	0	0	0	4	28	46	30	5	1	3	0	0	119
10:45	1	0	0	0	0	9	24	37	23	6	3	0	0	0	103
11:00	11	0	0	0	4	46	113	170	109	22	10	3	0	0	488
11:15	1	0	0	0	5	12	15	27	20	2	0	1	0	0	83
11:30	4	0	0	0	0	3	26	27	19	5	1	0	0	0	85
11:45	5	0	0	5	1	9	18	32	19	2	3	0	0	0	94
12:00	2	0	0	0	0	7	20	24	14	5	1	0	0	0	73
12:15	12	0	0	5	6	31	79	110	72	14	5	1	0	0	335
12:30	1	0	1	0	0	3	24	29	13	8	1	0	0	0	80
12:45	4	1	0	0	3	7	28	23	19	4	3	0	0	0	92
13:00	3	0	0	1	0	2	23	32	24	5	1	0	0	0	91
13:15	0	0	0	0	1	2	11	25	16	2	3	0	0	0	60
13:30	8	1	1	1	4	14	86	109	72	19	8	0	0	0	323
13:45	2	0	0	0	0	2	19	33	21	6	0	0	0	0	83
14:00	4	0	0	0	1	6	20	26	16	8	1	0	0	0	82
14:15	1	0	0	0	2	5	23	37	16	6	1	0	0	0	91
14:30	2	0	0	0	1	5	31	31	20	7	0	0	0	0	97
14:45	9	0	0	0	4	18	93	127	73	27	2	0	0	0	353
Total	55	1	1	6	37	205	749	1026	678	210	53	9	1	3	3034

FOR LAND USE PERMITTING (EXHIBIT B)

KEY DATA NETWORK

K-D-N.com
Tualatin, OR 97062
503-804-3294

SW 124th Ave South of Tualatin-Sherwood
Latitude: 0' 0.0000 Undefined
Longitude: 0' 0.0000 Undefined

NB, SB

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
12 PM	4	0	2	1	0	7	38	26	23	2	2	0	0	0	105
12:15	1	0	0	0	0	4	32	29	19	3	1	0	0	0	89
12:30	0	0	0	0	1	2	23	31	24	4	1	2	0	0	88
12:45	2	0	0	0	0	2	19	29	22	7	3	0	0	0	84
13:00	7	0	2	1	1	15	112	115	88	16	7	2	0	0	366
13:15	2	0	0	0	0	3	28	36	15	11	3	0	0	0	98
13:30	1	0	0	0	4	8	17	33	20	5	2	0	0	0	90
13:45	3	0	0	0	0	5	24	44	12	3	1	0	0	0	92
14:00	2	0	0	0	0	5	22	37	15	6	2	0	0	0	89
14:15	8	0	0	0	4	21	91	150	62	25	8	0	0	0	369
14:30	1	0	0	0	3	3	24	52	32	8	1	0	0	0	124
14:45	3	0	1	0	0	1	34	36	38	5	0	0	0	0	118
15:00	5	0	0	0	0	6	44	70	31	7	0	0	0	0	163
15:15	6	0	0	0	0	1	35	54	34	8	5	1	0	0	144
15:30	15	0	1	0	3	11	137	212	135	28	6	1	0	0	549
15:45	5	0	0	0	0	7	22	47	54	15	3	0	0	0	153
16:00	7	0	0	0	0	5	52	68	28	5	1	1	0	0	167
16:15	9	0	0	0	0	9	73	77	43	11	3	1	0	0	226
16:30	7	0	0	0	1	19	43	49	31	6	2	0	0	0	158
16:45	28	0	0	0	1	40	190	241	156	37	9	2	0	0	704
17:00	6	0	0	0	0	9	65	92	46	11	1	0	0	0	230
17:15	5	0	0	0	0	8	47	80	38	9	1	0	0	0	188
17:30	7	0	0	0	0	7	62	85	50	13	0	0	0	0	224
17:45	8	0	0	0	3	18	34	62	38	10	1	0	0	0	174
18:00	26	0	0	0	3	42	208	319	172	43	3	0	0	0	816
18:15	8	0	0	0	0	2	31	98	45	21	1	1	0	0	207
18:30	4	0	0	0	2	4	29	64	43	12	0	1	0	0	159
18:45	4	0	0	0	0	10	44	51	37	16	2	0	0	0	164
19:00	5	0	0	0	0	1	16	65	47	10	0	0	1	0	145
19:15	21	0	0	0	2	17	120	278	172	59	3	2	1	0	675
19:30	2	0	0	0	0	0	12	56	35	14	3	0	0	0	122
19:45	5	0	0	0	0	1	7	36	53	12	0	0	0	0	114
20:00	2	0	0	0	0	1	29	30	31	11	3	2	0	0	109
20:15	0	0	0	0	0	1	8	24	33	6	4	0	0	0	76
20:30	9	0	0	0	0	3	56	146	152	43	10	2	0	0	421
20:45	0	0	0	0	0	1	18	22	20	5	1	0	1	2	70
21:00	1	0	0	0	0	2	12	31	20	4	2	0	0	0	72
21:15	1	0	0	0	0	3	12	13	16	2	0	0	0	0	47
21:30	0	0	0	0	0	2	8	9	9	5	1	0	0	0	34
21:45	2	0	0	0	0	8	50	75	65	16	4	0	1	2	223
22:00	0	0	0	0	2	1	7	12	12	2	1	0	0	0	37
22:15	0	0	0	0	0	0	8	24	15	1	0	0	0	0	48
22:30	0	0	0	0	0	1	4	21	7	9	1	0	0	0	43
22:45	0	0	0	0	0	2	4	12	12	6	2	0	1	0	39
23:00	0	0	0	0	2	4	23	69	46	18	4	0	1	0	167
23:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
24:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
24:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
25:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	116	0	3	1	16	161	987	1605	1048	285	54	9	3	2	4290
Grand Total	171	1	4	7	55	375	1762	2702	1782	516	112	23	4	5	7519

15th Percentile : 41 MPH
50th Percentile : 47 MPH
85th Percentile : 53 MPH
95th Percentile : 57 MPH

Stats
Mean Speed(Average) : 47 MPH
10 MPH Pace Speed : 46-55 MPH
Number in Pace : 4484
Percent in Pace : 59.6%
Number of Vehicles > 45 MPH : 5144
Percent of Vehicles > 45 MPH : 68.4%

FOR LAND USE PERMITTING (EXHIBIT B)

KEY DATA NETWORK

K-D-N.com
Tualatin, OR 97062
503-804-3294

SW 124th Ave South of T-S Rd

Latitude: 0' 0.0000 Undefined
Longitude: 0' 0.0000 Undefined

NB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
08/24/19	0	0	0	0	0	0	1	4	0	0	1	0	0	0	6
00:15	0	0	0	0	0	0	1	1	1	1	1	0	0	0	5
00:30	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
00:45	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
01:00	0	0	0	0	1	0	2	6	1	1	2	0	0	0	13
01:15	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
01:30	0	0	0	0	0	0	0	1	0	1	0	0	0	0	2
01:45	0	0	0	0	0	2	0	0	0	0	1	0	0	0	1
02:00	0	0	0	0	0	2	0	2	0	1	1	0	0	0	6
02:15	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
02:30	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
02:45	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2
03:00	0	0	0	0	0	0	1	0	2	1	1	0	0	0	5
03:15	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
03:30	0	0	0	0	0	0	0	1	2	0	0	0	0	0	3
03:45	0	0	0	0	0	0	2	2	0	1	0	0	0	0	5
04:00	0	0	0	0	0	0	2	3	4	1	0	0	0	0	10
04:15	0	0	0	0	0	0	1	1	1	0	0	0	0	0	3
04:30	0	0	0	0	1	0	0	5	1	0	0	1	0	0	9
04:45	0	0	0	0	0	0	0	2	3	2	0	0	0	0	7
05:00	0	0	0	0	1	0	5	11	5	3	1	1	0	0	27
05:15	0	0	0	0	0	0	3	1	1	0	0	0	0	0	5
05:30	0	0	0	0	0	0	0	2	5	3	0	0	0	0	3
05:45	0	0	0	0	0	0	4	4	1	3	3	0	0	0	10
06:00	0	0	0	0	0	0	7	9	7	7	3	0	0	0	15
06:15	0	0	0	0	0	0	0	4	0	1	3	0	0	0	33
06:30	0	0	0	0	0	0	1	0	1	2	0	0	0	0	8
06:45	0	0	0	0	0	2	7	7	1	1	0	0	0	0	4
07:00	0	0	0	0	1	2	8	4	3	0	2	0	0	0	11
07:15	0	0	0	0	1	2	11	15	5	4	5	0	0	0	20
07:30	0	0	0	0	0	0	0	4	3	2	0	1	0	0	43
07:45	1	0	0	0	0	3	1	5	4	3	0	0	0	0	10
08:00	1	0	0	0	0	0	1	3	8	3	0	0	0	0	17
08:15	1	0	0	0	0	0	1	4	10	9	0	0	0	0	16
08:30	3	0	0	0	0	3	3	16	25	17	0	1	0	0	25
08:45	1	0	0	0	0	6	3	10	2	5	1	0	0	0	68
09:00	0	0	0	0	0	4	3	6	4	1	2	0	0	0	28
09:15	0	0	0	0	0	0	9	8	9	5	1	0	0	0	20
09:30	0	0	0	0	0	3	4	11	9	4	1	1	0	0	32
09:45	1	0	0	0	0	3	4	11	9	4	1	1	0	0	33
10:00	0	0	0	0	0	13	19	35	24	15	5	1	0	0	113
10:15	0	0	0	2	1	0	5	11	3	1	1	0	0	0	24
10:30	0	0	0	0	0	0	4	8	8	4	3	0	0	0	27
10:45	3	0	0	0	0	0	2	11	11	11	3	1	0	0	42
11:00	2	0	0	0	0	0	6	12	10	5	1	1	0	0	37
11:15	5	0	0	2	1	0	17	42	32	21	8	2	0	0	130
11:30	0	0	0	0	0	1	2	5	15	3	4	0	0	1	31
11:45	1	0	0	0	0	2	5	9	14	7	0	0	1	0	39
12:00	0	0	0	0	0	0	8	9	18	5	1	0	0	0	41
12:15	0	0	0	0	1	0	10	9	11	4	0	0	0	0	35
12:30	1	0	0	0	1	3	25	32	58	19	5	0	1	1	146
12:45	0	0	0	0	0	2	5	15	7	3	0	0	0	0	32
13:00	0	0	0	0	0	0	3	8	19	0	0	1	0	0	31
13:15	1	0	0	0	0	2	4	19	7	1	2	0	0	0	36
13:30	0	0	0	0	0	4	3	14	9	3	0	0	0	0	33
13:45	1	0	0	0	0	8	15	56	42	7	2	1	0	0	132
Total	11	0	0	2	5	31	107	227	205	97	33	6	1	1	726

FOR LAND USE PERMITTING (EXHIBIT B)

KEY DATA NETWORK

K-D-N.com
Tualatin, OR 97062
503-804-3294

SW 124th Ave South of T-S Rd

Latitude: 0' 0.0000 Undefined
Longitude: 0' 0.0000 Undefined

NB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12 PM	1	0	0	0	0	0	2	17	12	9	1	0	0	0	42
12:15	0	0	0	0	0	0	3	11	12	3	2	0	0	0	31
12:30	0	0	0	0	0	0	7	18	13	5	2	1	0	0	46
12:45	4	0	0	0	0	0	2	19	18	4	2	1	0	0	50
	5	0	0	0	0	0	14	65	55	21	7	2	0	0	169
13:00	0	0	0	0	0	3	6	14	22	4	2	0	0	0	51
13:15	0	0	0	0	0	0	11	21	13	4	0	0	0	0	49
13:30	1	0	0	0	0	1	10	16	15	6	2	0	0	0	51
13:45	1	0	0	0	0	0	4	6	23	8	2	1	0	0	45
	2	0	0	0	0	4	31	57	73	22	6	1	0	0	196
14:00	1	0	0	0	0	0	10	36	25	11	1	0	0	0	84
14:15	0	0	0	0	1	2	6	14	29	10	2	1	0	0	65
14:30	0	0	0	0	3	0	9	24	20	17	2	0	0	0	75
14:45	1	0	0	0	0	0	5	17	33	9	6	1	0	0	72
	2	0	0	0	4	2	30	91	107	47	11	2	0	0	296
15:00	0	0	0	0	0	1	10	15	21	8	4	0	0	0	59
15:15	1	0	0	0	0	0	6	13	22	5	0	0	1	0	48
15:30	1	0	0	0	0	1	5	13	9	9	2	0	0	0	40
15:45	0	0	0	0	0	0	7	19	16	10	2	0	0	0	54
	2	0	0	0	0	2	28	60	68	32	8	0	1	0	201
16:00	0	0	0	0	0	0	1	15	12	12	1	0	0	0	41
16:15	0	0	0	0	0	0	8	5	20	5	0	0	0	0	38
16:30	0	0	0	0	0	0	5	11	17	16	0	0	0	0	49
16:45	0	0	0	0	0	2	1	8	14	7	0	0	0	1	33
	0	0	0	0	0	2	15	39	63	40	1	0	0	1	161
17:00	0	0	0	0	0	3	4	18	7	4	1	0	0	0	37
17:15	0	0	0	0	0	0	1	16	17	8	1	1	0	0	44
17:30	0	0	0	0	0	2	5	10	18	8	1	1	0	0	45
17:45	0	0	0	0	0	2	3	5	4	1	2	0	1	0	18
	0	0	0	0	0	7	13	49	46	21	5	2	1	0	144
18:00	0	0	0	0	0	0	2	7	12	6	1	0	0	0	28
18:15	0	0	0	0	0	1	1	10	11	3	1	0	0	0	27
18:30	0	0	0	0	0	0	3	9	10	4	1	0	0	1	28
18:45	0	0	0	0	0	0	4	7	4	2	3	1	1	0	22
	0	0	0	0	0	1	10	33	37	15	6	1	1	1	105
19:00	0	0	0	1	0	1	5	5	10	4	0	0	0	0	26
19:15	0	0	0	0	0	1	4	10	6	0	0	0	0	0	21
19:30	0	0	0	0	1	0	1	4	8	2	1	0	0	0	17
19:45	0	0	0	0	0	3	1	6	5	2	0	0	0	0	17
	0	0	0	1	1	5	11	25	29	8	1	0	0	0	81
20:00	0	0	0	0	0	0	7	12	11	1	1	1	0	0	33
20:15	0	0	0	0	0	0	0	9	7	4	1	1	0	0	22
20:30	1	0	0	0	0	0	6	13	4	0	0	0	0	0	24
20:45	0	0	0	0	0	0	1	2	7	4	0	0	0	0	14
	1	0	0	0	0	0	14	36	29	9	2	2	0	0	93
21:00	0	0	0	0	0	0	2	2	5	2	0	0	0	0	11
21:15	0	0	0	0	0	0	1	6	8	4	1	0	0	0	20
21:30	0	0	0	0	1	3	3	3	2	2	0	0	0	0	14
21:45	0	0	0	0	0	0	0	6	3	1	1	1	0	0	12
	0	0	0	0	1	3	6	17	18	9	2	1	0	0	57
22:00	0	0	0	0	0	0	3	3	5	1	0	0	0	0	12
22:15	0	0	0	0	0	0	1	4	1	1	0	0	1	0	8
22:30	0	0	0	0	0	0	1	6	3	1	0	0	0	0	11
22:45	0	0	0	0	0	0	2	1	2	2	0	0	0	0	7
	0	0	0	0	0	0	7	14	11	5	0	0	1	0	38
23:00	0	0	0	0	0	0	0	1	4	1	0	0	0	0	6
23:15	0	0	0	0	0	1	0	2	5	0	0	0	0	0	8
23:30	0	0	0	0	0	0	1	0	2	3	0	0	0	0	6
23:45	0	0	0	0	0	0	1	2	3	2	0	0	0	0	8
	0	0	0	0	0	1	2	5	14	6	0	0	0	0	28
Total	12	0	0	1	6	27	181	491	550	235	49	11	4	2	1569
Grand Total	23	0	0	3	11	58	288	718	755	332	82	17	5	3	2295

15th Percentile : 44 MPH
50th Percentile : 50 MPH
85th Percentile : 56 MPH
95th Percentile : 59 MPH

Stats
Mean Speed(Average) : 50 MPH
10 MPH Pace Speed : 46-55 MPH
Number in Pace : 1473
Percent in Pace : 64.2%
Number of Vehicles > 45 MPH : 1912
Percent of Vehicles > 45 MPH : 83.3%

FOR LAND USE PERMITTING (EXHIBIT B)

KEY DATA NETWORK

K-D-N.com
Tualatin, OR 97062
503-804-3294

SW 124th Ave South of T-S Rd

Latitude: 0' 0.0000 Undefined
Longitude: 0' 0.0000 Undefined

SB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
08/24/19	0	0	0	0	0	0	0	4	1	2	1	1	0	0	9
00:15	0	0	0	0	0	0	0	1	3	2	2	0	0	0	8
00:30	0	0	0	0	0	1	0	2	1	0	2	0	2	0	8
00:45	0	0	0	0	0	0	0	0	5	4	0	1	0	0	10
01:00	0	0	0	0	0	1	0	7	10	8	5	2	2	0	35
01:15	0	0	0	0	0	0	1	2	4	1	0	1	2	0	11
01:30	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2
01:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	1	1	1	1	0	0	0	3
02:15	0	0	0	0	0	1	0	0	2	7	2	1	1	2	16
02:30	0	0	0	0	0	0	0	0	0	0	5	0	0	0	6
02:45	0	0	0	0	0	0	0	0	1	2	2	0	0	0	5
03:00	0	0	0	0	1	0	0	2	3	4	5	0	0	0	15
03:15	0	0	0	0	0	0	0	1	0	2	0	0	0	0	3
03:30	0	0	0	0	0	0	0	1	0	1	0	0	0	0	2
03:45	0	0	0	0	0	0	0	0	3	1	0	0	0	0	4
04:00	0	0	0	0	0	0	0	2	4	4	0	0	1	0	11
04:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	1	2	2	0	0	0	0	5
04:45	0	0	0	0	0	0	0	0	2	2	1	0	0	0	5
05:00	0	0	0	0	0	0	0	1	4	4	1	0	0	0	10
05:15	0	0	0	0	0	0	0	3	2	4	0	0	0	0	9
05:30	0	0	0	0	0	0	0	1	0	0	3	1	0	0	5
05:45	0	0	0	0	0	0	0	2	1	1	1	0	0	0	5
06:00	0	0	0	0	0	0	0	7	4	7	5	2	0	0	25
06:15	0	0	0	0	0	0	0	1	3	1	2	0	0	0	7
06:30	0	0	0	0	0	0	0	2	1	2	1	0	0	0	6
06:45	0	0	0	0	0	0	0	2	3	5	4	0	0	0	14
07:00	0	0	0	0	0	0	0	1	4	2	2	0	0	0	9
07:15	0	0	0	0	1	0	0	6	11	10	9	0	0	0	36
07:30	0	0	0	0	0	0	0	3	5	2	3	0	0	0	14
07:45	0	0	0	0	0	0	0	3	7	4	3	2	1	0	20
08:00	1	0	0	0	0	0	0	3	6	3	5	1	0	1	20
08:15	1	0	0	0	0	0	0	1	7	7	0	1	0	0	17
08:30	2	0	0	0	1	0	0	10	25	16	11	4	1	1	71
08:45	2	0	0	0	0	1	1	5	10	11	2	1	1	0	33
09:00	0	0	0	0	0	1	0	2	6	9	2	2	1	0	23
09:15	0	0	0	0	0	0	0	0	5	6	1	1	0	0	13
09:30	0	0	0	0	0	0	0	3	13	16	7	2	0	0	41
09:45	2	0	0	0	0	1	1	10	34	42	12	6	2	0	110
10:00	1	0	0	0	0	0	0	3	11	12	3	4	0	0	34
10:15	1	0	0	0	0	0	2	10	9	12	1	1	1	0	37
10:30	1	0	0	0	0	0	0	8	16	11	2	1	0	0	39
10:45	1	0	0	0	0	0	9	11	13	10	1	2	0	0	47
11:00	4	0	0	0	0	0	11	32	49	45	7	8	1	0	157
11:15	0	0	0	0	0	0	1	6	19	9	4	1	0	0	40
11:30	1	0	0	0	0	0	2	4	16	18	4	4	0	1	50
11:45	3	0	0	0	0	0	0	10	16	20	6	2	0	0	57
Total	2	0	0	0	0	0	3	19	19	19	4	0	0	0	47
	6	0	0	0	0	0	3	23	70	66	18	7	0	1	194
	0	0	0	0	0	0	7	14	14	15	2	1	0	0	53
	0	0	0	0	0	1	6	15	21	14	3	0	0	0	60
	2	0	0	0	0	0	3	24	16	15	1	1	0	0	62
	1	0	0	0	0	0	0	9	27	19	10	1	0	0	67
	3	0	0	0	0	1	16	62	78	63	16	3	0	0	242
Total	17	0	0	0	2	3	32	164	299	271	90	33	9	2	922

FOR LAND USE PERMITTING (EXHIBIT B)

KEY DATA NETWORK

K-D-N.com
Tualatin, OR 97062
503-804-3294

SW 124th Ave South of T-S Rd

Latitude: 0' 0.0000 Undefined
Longitude: 0' 0.0000 Undefined

SB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12 PM	0	0	0	0	0	0	4	7	23	17	6	3	0	0	60
12:15	0	0	0	0	0	0	0	8	18	28	8	1	0	0	63
12:30	1	0	0	0	0	0	0	7	19	31	5	0	0	0	63
12:45	0	0	0	0	2	0	1	11	19	28	21	0	0	0	82
13:00	1	0	0	0	2	0	5	33	79	104	40	4	0	0	268
13:00	1	0	0	0	0	0	0	15	35	26	5	1	0	0	83
13:15	0	0	0	0	0	0	0	5	26	29	10	3	1	0	74
13:30	1	0	0	0	0	0	1	7	39	30	6	1	0	1	86
13:45	2	0	0	0	0	0	3	7	22	26	14	2	1	0	77
14:00	4	0	0	0	0	0	4	34	122	111	35	7	2	1	320
14:00	0	0	0	1	0	0	0	6	11	17	14	1	1	0	51
14:15	2	0	0	0	0	0	1	14	31	25	6	3	0	0	82
14:30	2	0	0	0	0	0	0	6	14	25	6	2	0	0	55
14:45	1	0	0	0	0	0	0	2	12	22	12	2	1	0	52
15:00	5	0	0	1	0	0	1	28	68	89	38	8	2	0	240
15:00	0	0	0	0	0	1	0	5	14	14	10	5	1	0	50
15:15	2	0	0	0	0	0	0	10	24	16	6	3	0	0	61
15:30	1	0	0	0	0	0	2	2	15	18	14	2	0	0	54
15:45	0	0	0	0	0	0	2	9	15	5	4	0	0	0	35
16:00	3	0	0	0	0	1	4	26	68	53	34	10	1	0	200
16:00	1	0	0	0	0	0	0	1	16	26	8	1	0	0	53
16:15	0	0	0	0	0	0	0	8	15	17	10	3	0	0	53
16:30	0	0	0	0	0	1	5	4	12	14	3	2	0	0	41
16:45	1	0	0	0	0	0	3	11	10	16	5	0	0	0	46
17:00	2	0	0	0	0	1	8	24	53	73	26	6	0	0	193
17:00	2	0	0	0	0	0	0	5	4	13	12	4	0	1	41
17:15	1	0	0	0	0	0	0	3	15	12	8	1	1	0	41
17:30	1	0	0	0	0	0	0	4	10	14	5	3	0	0	37
17:45	1	0	0	0	0	1	0	7	7	15	7	1	0	1	40
18:00	5	0	0	0	0	1	0	19	36	54	32	9	1	2	159
18:00	0	0	0	0	0	0	0	1	7	11	7	6	0	0	32
18:15	0	0	0	0	0	0	1	2	17	3	6	3	0	0	32
18:30	0	0	0	0	0	0	1	4	2	9	5	2	0	0	23
18:45	0	0	0	0	0	1	0	0	5	14	11	0	0	1	32
19:00	0	0	0	0	0	1	2	7	31	37	29	11	0	1	119
19:00	3	0	0	0	0	0	0	1	2	4	5	3	0	1	19
19:15	0	0	0	0	0	0	0	2	7	3	4	0	0	0	16
19:30	0	0	0	0	0	0	0	3	5	4	7	4	0	0	23
19:45	0	0	0	0	0	1	0	1	5	9	6	0	0	0	22
20:00	3	0	0	0	0	1	0	7	19	20	22	7	0	1	80
20:00	0	0	0	0	0	0	0	0	11	2	2	3	1	0	19
20:15	0	0	0	0	0	0	2	1	6	11	2	2	0	1	25
20:30	0	0	0	0	0	0	1	4	8	5	2	1	1	0	22
20:45	0	0	0	0	0	0	1	1	11	4	4	2	2	0	25
21:00	0	0	0	0	0	0	4	6	36	22	10	8	4	1	91
21:00	0	0	0	0	0	1	0	5	10	5	0	0	0	0	21
21:15	0	0	0	0	0	1	0	4	6	9	2	0	0	1	23
21:30	0	0	0	0	0	0	0	3	7	8	2	1	0	0	21
21:45	0	0	0	0	0	0	0	1	3	3	1	0	0	0	8
22:00	0	0	0	0	0	1	1	8	21	30	10	1	0	1	73
22:00	0	0	0	0	0	0	2	4	6	2	2	1	1	0	18
22:15	1	0	0	0	0	0	1	2	10	4	1	0	0	0	19
22:30	0	0	0	0	0	0	1	3	5	5	2	0	0	0	16
22:45	0	0	0	0	0	0	0	4	7	2	0	1	0	0	14
23:00	1	0	0	0	0	0	4	13	28	13	5	2	1	0	67
23:00	0	0	0	0	0	0	0	0	4	4	2	0	0	0	10
23:15	0	0	0	0	0	0	1	0	0	1	0	0	0	0	2
23:30	0	0	0	0	0	0	0	1	2	1	0	0	1	0	5
23:45	0	0	0	0	0	0	0	1	2	0	1	0	0	0	4
Total	0	0	0	0	0	0	1	2	8	6	3	0	1	0	21
Total	24	0	0	1	2	6	34	207	569	612	284	73	12	7	1831
Grand Total	41	0	0	1	4	9	66	371	868	883	374	106	21	9	2753

15th Percentile : 48 MPH
50th Percentile : 55 MPH
85th Percentile : 61 MPH
95th Percentile : 64 MPH

Stats
Mean Speed(Average) : 55 MPH
10 MPH Pace Speed : 51-60 MPH
Number in Pace : 1751
Percent in Pace : 63.6%
Number of Vehicles > 45 MPH : 2632
Percent of Vehicles > 45 MPH : 95.6%

FOR LAND USE PERMITTING (EXHIBIT B)

KEY DATA NETWORK

K-D-N.com
Tualatin, OR 97062
503-804-3294

SW 124th Ave South of T-S Rd

Latitude: 0' 0.0000 Undefined
Longitude: 0' 0.0000 Undefined

NB, SB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
08/24/19	0	0	0	0	0	0	1	8	1	2	2	1	0	0	15
00:15	0	0	0	0	0	0	1	2	4	3	3	0	0	0	13
00:30	0	0	0	0	0	1	0	3	1	0	2	0	2	0	9
00:45	0	0	0	0	1	0	0	0	5	4	0	1	0	0	11
01:00	0	0	0	0	1	1	2	13	11	9	7	2	2	0	48
01:15	0	0	0	0	0	0	1	3	4	1	0	1	2	0	12
01:30	0	0	0	0	0	0	0	1	2	1	0	0	0	0	4
01:45	0	0	0	0	0	2	0	0	1	1	1	0	0	0	5
02:00	0	0	0	0	0	2	1	4	7	3	2	1	2	0	22
02:15	0	0	0	0	1	0	0	0	0	1	5	0	0	0	7
02:30	0	0	0	0	0	0	0	0	1	2	1	0	0	0	4
02:45	0	0	0	0	0	0	1	1	2	2	0	0	0	0	6
03:00	0	0	0	0	1	0	1	2	5	5	6	0	0	0	3
03:15	0	0	0	0	0	0	0	1	1	2	0	0	0	0	20
03:30	0	0	0	0	0	0	0	1	1	0	0	0	0	0	4
03:45	0	0	0	0	0	0	0	1	1	0	0	0	0	0	3
04:00	0	0	0	0	0	0	2	2	3	2	0	0	0	0	5
04:15	0	0	0	0	0	0	2	5	8	5	0	0	1	0	9
04:30	0	0	0	0	0	0	1	1	1	0	0	0	0	0	21
04:45	0	0	0	0	0	0	1	1	1	0	0	0	0	0	3
05:00	0	0	0	0	0	0	4	3	0	1	1	0	0	0	9
05:15	0	0	0	0	1	0	0	6	3	2	0	1	0	0	13
05:30	0	0	0	0	0	0	0	2	5	4	1	0	0	0	12
05:45	0	0	0	0	1	0	5	12	9	7	2	1	0	0	37
06:00	0	0	0	0	0	0	3	4	3	4	0	0	0	0	14
06:15	0	0	0	0	0	0	0	3	1	3	1	1	0	0	9
06:30	0	0	0	0	0	0	0	3	5	3	3	1	0	0	15
06:45	0	0	0	0	0	4	6	2	4	4	4	0	0	0	20
07:00	0	0	0	0	0	0	7	16	11	14	8	2	0	0	58
07:15	0	0	0	0	0	0	0	5	3	2	5	0	0	0	15
07:30	0	0	0	0	0	0	1	2	2	4	1	0	0	0	10
07:45	0	0	0	0	0	2	9	4	6	4	4	0	0	0	25
08:00	0	0	0	0	1	2	8	5	7	2	4	0	0	0	29
08:15	0	0	0	0	1	2	11	21	16	14	14	0	0	0	79
08:30	0	0	0	0	1	0	0	7	8	4	3	1	0	0	24
08:45	1	0	0	0	0	3	1	8	11	7	3	2	1	0	37
09:00	2	0	0	0	0	0	1	6	14	6	5	1	0	1	36
09:15	2	0	0	0	0	0	1	5	17	16	0	1	0	0	42
09:30	5	0	0	0	1	3	3	26	50	33	11	5	1	1	139
09:45	3	0	0	0	0	6	4	15	12	16	3	1	1	0	61
10:00	0	0	0	0	0	5	3	8	10	10	4	2	1	0	43
10:15	0	0	0	0	0	0	9	8	14	11	2	1	0	0	45
10:30	0	0	0	0	3	4	14	22	20	8	3	0	0	0	74
10:45	3	0	0	0	0	14	20	45	58	57	17	7	2	0	223
11:00	1	0	0	2	1	0	5	14	14	13	4	4	0	0	58
11:15	1	0	0	0	0	0	6	18	17	16	4	1	1	0	64
11:30	4	0	0	0	0	0	2	19	27	22	5	2	0	0	81
11:45	3	0	0	0	0	0	15	23	23	15	2	3	0	0	84
12:00	9	0	0	2	1	0	28	74	81	66	15	10	1	0	287
12:15	0	0	0	0	0	1	3	11	34	12	8	1	0	1	71
12:30	2	0	0	0	0	2	7	13	30	25	4	4	1	1	89
12:45	3	0	0	0	0	0	8	19	34	25	7	2	0	0	98
13:00	2	0	0	0	1	0	10	12	30	23	4	0	0	0	82
13:15	7	0	0	0	1	3	28	55	128	85	23	7	1	2	340
13:30	0	0	0	0	0	2	12	29	21	18	2	1	0	0	85
13:45	0	0	0	0	0	1	9	23	40	14	3	1	0	0	91
14:00	3	0	0	0	0	2	7	43	23	16	3	1	0	0	98
14:15	1	0	0	0	0	4	3	23	36	22	10	1	0	0	100
14:30	4	0	0	0	0	9	31	118	120	70	18	4	0	0	374
Total	28	0	0	2	7	34	139	391	504	368	123	39	10	3	1648

FOR LAND USE PERMITTING (EXHIBIT B)

KEY DATA NETWORK

K-D-N.com
Tualatin, OR 97062
503-804-3294

SW 124th Ave South of T-S Rd

Latitude: 0' 0.0000 Undefined
Longitude: 0' 0.0000 Undefined

NB, SB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12 PM	1	0	0	0	0	0	6	24	35	26	7	3	0	0	102
12:15	0	0	0	0	0	0	3	19	30	31	10	1	0	0	94
12:30	1	0	0	0	0	0	7	25	32	36	7	1	0	0	109
12:45	4	0	0	0	2	0	3	30	37	32	23	1	0	0	132
	6	0	0	0	2	0	19	98	134	125	47	6	0	0	437
13:00	1	0	0	0	0	3	6	29	57	30	7	1	0	0	134
13:15	0	0	0	0	0	0	11	26	39	33	10	3	1	0	123
13:30	2	0	0	0	0	1	11	23	54	36	8	1	0	1	137
13:45	3	0	0	0	0	0	7	13	45	34	16	3	1	0	122
	6	0	0	0	0	4	35	91	195	133	41	8	2	1	516
14:00	1	0	0	1	0	0	10	42	36	28	15	1	1	0	135
14:15	2	0	0	0	1	2	7	28	60	35	8	4	0	0	147
14:30	2	0	0	0	3	0	9	30	34	42	8	2	0	0	130
14:45	2	0	0	0	0	0	5	19	45	31	18	3	1	0	124
	7	0	0	1	4	2	31	119	175	136	49	10	2	0	536
15:00	0	0	0	0	0	2	10	20	35	22	14	5	1	0	109
15:15	3	0	0	0	0	0	6	23	46	21	6	3	1	0	109
15:30	2	0	0	0	0	1	7	15	24	27	16	2	0	0	94
15:45	0	0	0	0	0	0	9	28	31	15	6	0	0	0	89
	5	0	0	0	0	3	32	86	136	85	42	10	2	0	401
16:00	1	0	0	0	0	0	1	16	28	38	9	1	0	0	94
16:15	0	0	0	0	0	0	8	13	35	22	10	3	0	0	91
16:30	0	0	0	0	0	1	10	15	29	30	3	2	0	0	90
16:45	1	0	0	0	0	2	4	19	24	23	5	0	0	1	79
	2	0	0	0	0	3	23	63	116	113	27	6	0	1	354
17:00	2	0	0	0	0	3	4	23	11	17	13	4	0	1	78
17:15	1	0	0	0	0	0	1	19	32	20	9	2	1	0	85
17:30	1	0	0	0	0	2	5	14	28	22	6	4	0	0	82
17:45	1	0	0	0	0	3	3	12	11	16	9	1	1	1	58
	5	0	0	0	0	8	13	68	82	75	37	11	2	2	303
18:00	0	0	0	0	0	0	2	8	19	17	8	6	0	0	60
18:15	0	0	0	0	0	1	2	12	28	6	7	3	0	0	59
18:30	0	0	0	0	0	0	4	13	12	13	6	2	0	1	51
18:45	0	0	0	0	0	1	4	7	9	16	14	1	1	1	54
	0	0	0	0	0	2	12	40	68	52	35	12	1	2	224
19:00	3	0	0	1	0	1	5	6	12	8	5	3	0	1	45
19:15	0	0	0	0	0	1	4	12	13	3	4	0	0	0	37
19:30	0	0	0	0	1	0	1	7	13	6	8	4	0	0	40
19:45	0	0	0	0	0	4	1	7	10	11	6	0	0	0	39
	3	0	0	1	1	6	11	32	48	28	23	7	0	1	161
20:00	0	0	0	0	0	0	7	12	22	3	3	4	1	0	52
20:15	0	0	0	0	0	0	2	10	13	15	3	3	0	1	47
20:30	1	0	0	0	0	0	7	17	12	5	2	1	1	0	46
20:45	0	0	0	0	0	0	2	3	18	8	4	2	2	0	39
	1	0	0	0	0	0	18	42	65	31	12	10	4	1	184
21:00	0	0	0	0	0	0	3	2	10	12	5	0	0	0	32
21:15	0	0	0	0	0	1	1	10	14	13	3	0	0	1	43
21:30	0	0	0	0	1	3	3	6	9	10	2	1	0	0	35
21:45	0	0	0	0	0	0	0	7	6	4	2	1	0	0	20
	0	0	0	0	1	4	7	25	39	39	12	2	0	1	130
22:00	0	0	0	0	0	0	5	7	11	3	2	1	1	0	30
22:15	1	0	0	0	0	0	2	6	11	5	1	0	1	0	27
22:30	0	0	0	0	0	0	2	9	8	6	2	0	0	0	27
22:45	0	0	0	0	0	0	2	5	9	4	0	1	0	0	21
	1	0	0	0	0	0	11	27	39	18	5	2	2	0	105
23:00	0	0	0	0	0	0	0	1	8	5	2	0	0	0	16
23:15	0	0	0	0	0	1	1	2	5	1	0	0	0	0	10
23:30	0	0	0	0	0	0	1	1	4	4	0	0	1	0	11
23:45	0	0	0	0	0	0	1	3	5	2	1	0	0	0	12
	0	0	0	0	0	1	3	7	22	12	3	0	1	0	49
Total	36	0	0	2	8	33	215	698	1119	847	333	84	16	9	3400
Grand Total	64	0	0	4	15	67	354	1089	1623	1215	456	123	26	12	5048

15th Percentile : 46 MPH
50th Percentile : 52 MPH
85th Percentile : 59 MPH
95th Percentile : 63 MPH

Stats
Mean Speed(Average) : 53 MPH
10 MPH Pace Speed : 51-60 MPH
Number in Pace : 2838
Percent in Pace : 56.2%
Number of Vehicles > 45 MPH : 4544
Percent of Vehicles > 45 MPH : 90.0%

FOR LAND USE PERMITTING (EXHIBIT B)

APPENDIX B – TRAFFIC SPEED ON SW 124TH AVE

FOR LAND USE PERMITTING (EXHIBIT B)

KEY DATA NETWORK

K-D-N.com
Tualatin, OR 97062
503-804-3294

SW 124th Ave South of Tualatin-Sherwood
Latitude: 0' 0.0000 Undefined
Longitude: 0' 0.0000 Undefined

NB

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
06/26/19	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
00:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
00:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
00:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

FOR LAND USE PERMITTING (EXHIBIT B)

KEY DATA NETWORK

K-D-N.com
Tualatin, OR 97062
503-804-3294

SW 124th Ave South of Tualatin-Sherwood
Latitude: 0' 0.0000 Undefined
Longitude: 0' 0.0000 Undefined

NB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12 PM	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	0	0	0	0	0	0	3	1	6	0	2	0	1	0	13
21:15	0	0	0	0	0	0	3	4	2	2	0	0	0	0	11
21:30	0	0	0	0	0	0	0	2	0	2	0	1	0	0	5
21:45	0	0	0	0	0	3	2	3	3	0	0	0	0	0	11
22:00	0	0	0	0	0	6	6	15	5	6	0	2	0	0	40
22:15	0	0	0	0	0	0	1	4	1	1	1	0	0	0	8
22:30	0	0	0	0	1	0	4	5	1	0	0	0	0	0	11
22:45	0	0	0	0	0	1	1	7	5	0	0	0	0	0	14
23:00	0	0	0	0	1	1	7	16	8	1	1	0	0	0	35
23:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	1	0	1	0	0	0	0	0	3
23:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Total	0	0	0	0	1	7	14	31	14	10	1	2	0	0	80

FOR LAND USE PERMITTING (EXHIBIT B)

KEY DATA NETWORK

K-D-N.com
Tualatin, OR 97062
503-804-3294

SW 124th Ave South of Tualatin-Sherwood
Latitude: 0' 0.0000 Undefined
Longitude: 0' 0.0000 Undefined

NB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
06/27/19	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
00:15	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
00:45	0	0	0	0	0	1	0	0	1	0	0	0	0	0	2
01:00	0	0	0	0	0	1	0	1	1	1	0	0	0	0	4
01:15	0	0	0	0	0	0	1	0	1	0	0	0	0	0	2
01:30	0	0	0	0	0	1	1	2	0	0	0	0	0	1	2
01:45	0	0	0	0	0	0	1	1	1	0	0	0	0	0	4
02:00	0	0	0	0	0	1	4	3	2	0	0	0	0	1	11
02:15	0	0	0	0	0	1	2	4	0	1	0	0	0	0	8
02:30	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
02:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	1	3	4	0	1	0	0	0	0	0	9
03:15	0	0	0	0	0	0	0	2	1	0	0	0	1	0	5
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:45	0	0	0	0	0	2	3	4	3	0	0	0	0	0	12
04:00	0	0	0	0	1	2	4	9	8	1	0	0	1	0	26
04:15	0	0	0	0	0	0	5	2	0	0	0	0	0	0	7
04:30	1	0	0	0	0	2	6	6	3	0	2	0	0	0	19
04:45	0	0	0	0	0	4	5	15	8	2	0	0	0	0	35
05:00	1	0	0	0	0	6	25	40	17	5	2	0	0	0	96
05:15	0	0	0	0	0	1	1	13	7	2	2	0	0	0	26
05:30	1	0	0	0	1	15	4	10	7	2	0	1	0	0	41
05:45	0	0	0	0	0	0	10	23	17	3	1	0	0	0	54
06:00	0	0	0	0	1	12	20	21	12	0	1	0	0	0	67
06:15	1	0	0	0	1	17	27	66	52	19	3	2	0	0	188
06:30	0	0	0	0	0	7	24	24	13	3	1	0	0	0	72
06:45	0	0	0	0	0	5	24	32	9	4	1	0	0	0	75
07:00	0	0	0	0	2	10	25	29	15	1	1	1	0	0	84
07:15	0	0	0	0	0	3	32	38	21	3	0	0	0	0	97
07:30	0	0	0	0	2	25	105	123	58	11	3	1	0	0	328
07:45	1	0	0	0	6	8	32	22	8	5	1	0	0	0	83
08:00	0	0	0	0	0	16	26	22	14	3	0	0	0	0	81
08:15	1	0	0	0	8	3	34	22	9	4	0	0	0	0	81
08:30	1	0	0	0	0	5	50	45	21	5	2	0	0	0	129
08:45	3	0	0	0	14	32	142	111	52	17	3	0	0	0	374
09:00	2	0	0	0	4	13	16	21	13	3	1	0	0	0	73
09:15	3	0	0	0	0	6	27	37	15	3	0	0	0	0	91
09:30	1	0	0	0	0	0	17	22	21	4	0	0	0	0	65
09:45	0	0	0	0	0	7	13	23	11	1	1	0	0	0	56
10:00	6	0	0	0	4	26	73	103	60	11	2	0	0	0	285
10:15	1	0	0	0	5	2	11	11	5	2	0	1	0	0	38
10:30	2	0	0	0	0	2	18	17	9	2	1	0	0	0	51
10:45	4	0	0	5	1	7	7	9	11	0	1	0	0	0	45
11:00	1	0	0	0	0	2	8	18	4	3	1	0	0	0	37
11:15	8	0	0	5	6	13	44	55	29	7	3	1	0	0	171
11:30	1	0	1	0	0	3	9	11	4	4	0	0	0	0	33
11:45	1	1	0	0	3	3	17	12	5	4	3	0	0	0	49
Total	1	0	0	1	0	2	13	19	13	3	1	0	0	0	53
	0	0	0	0	1	1	5	12	7	2	2	0	0	0	30
	3	1	1	1	4	9	44	54	29	13	6	0	0	0	165
	1	0	0	0	0	0	14	16	6	4	0	0	0	0	41
	1	0	0	0	1	3	11	15	6	1	0	0	0	0	38
	0	0	0	0	2	0	7	20	6	3	1	0	0	0	39
	2	0	0	0	1	3	16	15	9	4	0	0	0	0	50
	4	0	0	0	4	6	48	66	27	12	1	0	0	0	168
Total	26	1	1	6	36	139	519	635	335	98	23	4	1	1	1825

FOR LAND USE PERMITTING (EXHIBIT B)

KEY DATA NETWORK

K-D-N.com
Tualatin, OR 97062
503-804-3294

SW 124th Ave South of Tualatin-Sherwood
Latitude: 0' 0.0000 Undefined
Longitude: 0' 0.0000 Undefined

NB

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
12 PM	2	0	2	1	0	7	21	16	8	0	2	0	0	0	59
12:15	0	0	0	0	0	1	21	20	5	2	1	0	0	0	50
12:30	0	0	0	0	1	2	9	23	8	2	1	1	0	0	47
12:45	2	0	0	0	0	0	6	13	12	6	2	0	0	0	41
	4	0	2	1	1	10	57	72	33	10	6	1	0	0	197
13:00	0	0	0	0	0	1	9	13	8	7	0	0	0	0	38
13:15	1	0	0	0	4	4	6	10	11	2	0	0	0	0	38
13:30	0	0	0	0	0	1	11	20	6	1	0	0	0	0	39
13:45	2	0	0	0	0	3	9	17	2	3	0	0	0	0	36
	3	0	0	0	4	9	35	60	27	13	0	0	0	0	151
14:00	0	0	0	0	3	1	9	19	10	2	0	0	0	0	44
14:15	2	0	1	0	0	0	14	24	14	3	0	0	0	0	58
14:30	2	0	0	0	0	2	13	16	11	5	0	0	0	0	49
14:45	2	0	0	0	0	0	16	30	13	2	0	0	0	0	63
	6	0	1	0	3	3	52	89	48	12	0	0	0	0	214
15:00	1	0	0	0	0	7	10	20	10	3	1	0	0	0	52
15:15	1	0	0	0	0	1	29	17	11	1	1	0	0	0	61
15:30	3	0	0	0	0	7	25	22	15	4	1	0	0	0	77
15:45	4	0	0	0	0	7	17	19	13	3	1	0	0	0	64
	9	0	0	0	0	22	81	78	49	11	4	0	0	0	254
16:00	1	0	0	0	0	3	17	53	15	3	0	0	0	0	92
16:15	2	0	0	0	0	4	14	40	15	5	0	0	0	0	80
16:30	1	0	0	0	0	6	26	38	12	2	0	0	0	0	85
16:45	4	0	0	0	0	1	15	21	10	4	0	0	0	0	55
	8	0	0	0	0	14	72	152	52	14	0	0	0	0	312
17:00	1	0	0	0	0	0	6	42	16	3	0	0	0	0	68
17:15	2	0	0	0	2	3	5	21	17	9	0	0	0	0	59
17:30	2	0	0	0	0	5	18	18	12	5	1	0	0	0	61
17:45	3	0	0	0	0	1	12	22	8	3	0	0	1	0	50
	8	0	0	0	2	9	41	103	53	20	1	0	1	0	238
18:00	0	0	0	0	0	0	10	27	15	5	3	0	0	0	60
18:15	2	0	0	0	0	0	4	13	18	1	0	0	0	0	38
18:30	1	0	0	0	0	1	11	15	5	2	0	1	0	0	36
18:45	0	0	0	0	0	1	3	8	14	2	0	0	0	0	28
	3	0	0	0	0	2	28	63	52	10	3	1	0	0	162
19:00	0	0	0	0	0	1	8	9	9	3	0	0	0	2	32
19:15	1	0	0	0	0	1	10	11	7	1	1	0	0	0	32
19:30	0	0	0	0	0	2	6	4	5	0	0	0	0	0	17
19:45	0	0	0	0	0	1	6	5	6	4	0	0	0	0	22
	1	0	0	0	0	5	30	29	27	8	1	0	0	2	103
20:00	0	0	0	0	2	1	1	7	7	1	0	0	0	0	19
20:15	0	0	0	0	0	0	4	9	7	1	0	0	0	0	21
20:30	0	0	0	0	0	1	2	14	3	4	0	0	0	0	24
20:45	0	0	0	0	0	1	3	4	4	1	1	0	1	0	15
	0	0	0	0	2	3	10	34	21	7	1	0	1	0	79
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	42	0	3	1	12	77	406	680	362	105	16	2	2	2	1710
Grand Total	68	1	4	7	49	223	939	1346	711	213	40	8	3	3	3615

15th Percentile : 41 MPH
50th Percentile : 46 MPH
85th Percentile : 53 MPH
95th Percentile : 56 MPH

Stats
Mean Speed(Average) : 47 MPH
10 MPH Pace Speed : 41-50 MPH
Number in Pace : 2285
Percent in Pace : 63.2%
Number of Vehicles > 45 MPH : 2324
Percent of Vehicles > 45 MPH : 64.3%

FOR LAND USE PERMITTING (EXHIBIT B)

KEY DATA NETWORK

K-D-N.com
Tualatin, OR 97062
503-804-3294

SW 124th Ave South of Tualatin-Sherwood
Latitude: 0' 0.0000 Undefined
Longitude: 0' 0.0000 Undefined

SB

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
06/26/19	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
00:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
00:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
00:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

FOR LAND USE PERMITTING (EXHIBIT B)

KEY DATA NETWORK

K-D-N.com
Tualatin, OR 97062
503-804-3294

SW 124th Ave South of Tualatin-Sherwood
Latitude: 0' 0.0000 Undefined
Longitude: 0' 0.0000 Undefined

SB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12 PM	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:15	0	0	0	0	0	0	3	7	10	2	1	1	0	0	24
21:30	0	0	0	0	0	0	1	2	4	1	1	0	0	0	10
21:45	0	0	0	0	1	0	1	5	4	1	0	0	0	0	12
22:00	0	0	0	0	1	0	6	15	20	5	2	2	0	0	51
22:15	0	0	0	0	0	0	1	5	6	2	0	0	0	0	14
22:30	0	0	0	0	0	0	0	5	5	0	0	0	0	0	10
22:45	0	0	0	0	0	1	1	0	1	0	0	0	0	0	3
23:00	0	0	0	0	0	2	4	13	14	2	0	0	0	0	35
23:15	0	0	0	0	0	0	0	3	3	1	0	0	0	0	7
23:30	0	0	0	0	0	0	1	4	3	2	1	0	0	0	11
23:45	0	0	0	0	0	0	1	2	1	0	0	1	0	0	5
Total	0	0	0	0	1	2	12	40	42	11	4	3	0	0	115

FOR LAND USE PERMITTING (EXHIBIT B)

KEY DATA NETWORK

K-D-N.com
Tualatin, OR 97062
503-804-3294

SW 124th Ave South of Tualatin-Sherwood
Latitude: 0' 0.0000 Undefined
Longitude: 0' 0.0000 Undefined

SB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
06/27/19	0	0	0	0	0	1	1	4	3	3	1	0	0	0	13
00:15	0	0	0	0	0	0	0	1	0	1	0	0	0	0	2
00:30	0	0	0	0	0	0	1	2	3	2	0	0	0	1	9
00:45	0	0	0	0	0	0	0	0	4	1	0	0	0	0	5
01:00	0	0	0	0	0	1	2	7	10	7	1	0	0	1	29
01:15	1	0	0	0	0	0	0	1	1	0	0	0	0	0	3
01:30	0	0	0	0	0	0	1	2	0	0	0	0	0	0	3
01:45	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
02:00	0	0	0	0	0	0	0	2	1	3	0	0	0	0	6
02:15	1	0	0	0	0	0	1	6	2	3	0	0	0	0	13
02:30	0	0	0	0	0	0	0	2	3	0	0	0	0	0	5
02:45	0	0	0	0	0	0	0	5	12	3	0	0	0	0	20
03:00	0	0	0	0	0	0	1	6	2	1	0	1	0	0	11
03:15	0	0	0	0	0	0	0	2	0	0	1	0	0	0	3
03:30	0	0	0	0	0	0	1	15	17	4	1	1	0	0	39
03:45	0	0	0	0	0	0	0	2	2	0	0	0	0	0	4
04:00	0	0	0	0	0	0	0	1	1	0	0	0	0	0	2
04:15	0	0	0	0	1	0	1	0	0	0	0	0	0	0	2
04:30	0	0	0	0	0	0	1	3	4	0	1	0	0	0	9
04:45	0	0	0	0	1	0	2	6	7	0	1	0	0	0	17
05:00	0	0	0	0	0	0	2	0	1	0	0	0	0	0	3
05:15	0	0	0	0	0	0	1	1	2	0	1	0	0	0	5
05:30	0	0	0	0	0	0	5	1	1	1	0	0	0	0	8
05:45	0	0	0	0	0	0	1	4	3	1	0	0	0	0	9
06:00	0	0	0	0	0	0	9	6	7	2	1	0	0	0	25
06:15	0	0	0	0	0	1	0	4	2	2	0	0	0	0	9
06:30	0	0	0	0	0	0	1	6	4	3	1	0	0	0	15
06:45	1	0	0	0	0	0	0	3	9	6	0	0	0	0	19
07:00	0	0	0	0	0	0	7	3	9	5	2	0	0	0	26
07:15	1	0	0	0	0	1	8	16	24	16	3	0	0	0	69
07:30	1	0	0	0	0	1	3	3	11	6	0	0	0	1	26
07:45	0	0	0	0	0	0	6	17	15	4	1	0	0	0	43
08:00	2	0	0	0	0	0	9	13	9	4	1	1	0	0	39
08:15	1	0	0	0	0	0	1	13	15	9	4	0	0	0	43
08:30	4	0	0	0	0	1	19	46	50	23	6	1	0	1	151
08:45	1	0	0	0	0	1	5	11	12	3	1	0	0	0	34
09:00	1	0	0	0	0	6	3	11	8	3	0	0	0	0	32
09:15	2	0	0	0	0	0	3	12	15	6	2	0	0	0	40
09:30	0	0	0	0	0	1	15	17	10	6	1	0	0	0	50
09:45	4	0	0	0	0	8	26	51	45	18	4	0	0	0	156
10:00	0	0	0	0	0	2	8	12	12	4	2	0	0	0	40
10:15	3	0	0	0	0	12	10	17	16	1	3	0	0	0	62
10:30	1	0	0	0	0	4	11	24	9	1	1	3	0	0	54
10:45	1	0	0	0	0	2	11	14	12	5	2	0	0	0	47
11:00	5	0	0	0	0	20	40	67	49	11	8	3	0	0	203
11:15	0	0	0	0	0	10	4	16	15	0	0	0	0	0	45
11:30	2	0	0	0	0	1	8	10	10	3	0	0	0	0	34
11:45	1	0	0	0	0	2	11	23	8	2	2	0	0	0	49
12:00	1	0	0	0	0	5	12	6	10	2	0	0	0	0	36
12:15	4	0	0	0	0	18	35	55	43	7	2	0	0	0	164
12:30	0	0	0	0	0	0	15	18	9	4	1	0	0	0	47
12:45	3	0	0	0	0	4	11	11	14	0	0	0	0	0	43
13:00	2	0	0	0	0	0	10	13	11	2	0	0	0	0	38
13:15	0	0	0	0	0	1	6	13	9	0	1	0	0	0	30
13:30	5	0	0	0	0	5	42	55	43	6	2	0	0	0	158
13:45	1	0	0	0	0	2	5	17	15	2	0	0	0	0	42
14:00	3	0	0	0	0	3	9	11	10	7	1	0	0	0	44
14:15	1	0	0	0	0	5	16	17	10	3	0	0	0	0	52
14:30	0	0	0	0	0	2	15	16	11	3	0	0	0	0	47
14:45	5	0	0	0	0	12	45	61	46	15	1	0	0	0	185
Total	29	0	0	0	1	66	230	391	343	112	30	5	0	2	1209

FOR LAND USE PERMITTING (EXHIBIT B)

KEY DATA NETWORK

K-D-N.com
Tualatin, OR 97062
503-804-3294

SW 124th Ave South of Tualatin-Sherwood
Latitude: 0' 0.0000 Undefined
Longitude: 0' 0.0000 Undefined

SB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12 PM	2	0	0	0	0	0	17	10	15	2	0	0	0	0	46
12:15	1	0	0	0	0	3	11	9	14	1	0	0	0	0	39
12:30	0	0	0	0	0	0	14	8	16	2	0	1	0	0	41
12:45	0	0	0	0	0	2	13	16	10	1	1	0	0	0	43
13:00	3	0	0	0	0	5	55	43	55	6	1	1	0	0	169
13:15	2	0	0	0	0	2	19	23	7	4	3	0	0	0	60
13:30	0	0	0	0	0	4	11	23	9	3	2	0	0	0	52
13:45	3	0	0	0	0	4	13	24	6	2	1	0	0	0	53
14:00	0	0	0	0	0	2	13	20	13	3	2	0	0	0	53
14:15	5	0	0	0	0	12	56	90	35	12	8	0	0	0	218
14:30	1	0	0	0	0	2	15	33	22	6	1	0	0	0	80
14:45	1	0	0	0	0	1	20	12	24	2	0	0	0	0	60
15:00	3	0	0	0	0	4	31	54	20	2	0	0	0	0	114
15:15	4	0	0	0	0	1	19	24	21	6	5	1	0	0	81
15:30	9	0	0	0	0	8	85	123	87	16	6	1	0	0	335
15:45	4	0	0	0	0	0	12	27	44	12	2	0	0	0	101
16:00	6	0	0	0	0	4	23	51	17	4	0	1	0	0	106
16:15	6	0	0	0	0	2	48	55	28	7	2	1	0	0	149
16:30	3	0	0	0	1	12	26	30	18	3	1	0	0	0	94
16:45	19	0	0	0	1	18	109	163	107	26	5	2	0	0	450
17:00	5	0	0	0	0	6	48	39	31	8	1	0	0	0	138
17:15	3	0	0	0	0	4	33	40	23	4	1	0	0	0	108
17:30	6	0	0	0	0	1	36	47	38	11	0	0	0	0	139
17:45	4	0	0	0	3	17	19	41	28	6	1	0	0	0	119
18:00	18	0	0	0	3	28	136	167	120	29	3	0	0	0	504
18:15	7	0	0	0	0	2	25	56	29	18	1	1	0	0	139
18:30	2	0	0	0	0	1	24	43	26	3	0	1	0	0	100
18:45	2	0	0	0	0	5	26	33	25	11	1	0	0	0	103
19:00	2	0	0	0	0	0	4	43	39	7	0	0	0	0	95
19:15	13	0	0	0	0	8	79	175	119	39	2	2	0	0	437
19:30	2	0	0	0	0	0	2	29	20	9	0	0	0	0	62
19:45	3	0	0	0	0	1	3	23	35	11	0	0	0	0	76
20:00	1	0	0	0	0	0	18	15	26	9	3	1	0	0	73
20:15	0	0	0	0	0	0	5	16	19	4	4	0	0	0	48
20:30	6	0	0	0	0	1	28	83	100	33	7	1	0	0	259
20:45	0	0	0	0	0	0	10	13	11	2	1	0	1	0	38
21:00	0	0	0	0	0	1	2	20	13	3	1	0	0	0	40
21:15	1	0	0	0	0	1	6	9	11	2	0	0	0	0	30
21:30	0	0	0	0	0	1	2	4	3	1	1	0	0	0	12
21:45	1	0	0	0	0	3	20	46	38	8	3	0	1	0	120
22:00	0	0	0	0	0	0	6	5	5	1	1	0	0	0	18
22:15	0	0	0	0	0	0	4	15	8	0	0	0	0	0	27
22:30	0	0	0	0	0	0	2	7	4	5	1	0	0	0	19
22:45	0	0	0	0	0	1	1	8	8	5	1	0	0	0	24
23:00	0	0	0	0	0	1	13	35	25	11	3	0	0	0	88
23:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
24:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
24:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
25:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
25:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
25:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	74	0	0	0	4	84	581	925	686	180	38	7	1	0	2580
Grand Total	103	0	0	0	6	152	823	1356	1071	303	72	15	1	2	3904

15th Percentile : 41 MPH
50th Percentile : 48 MPH
85th Percentile : 54 MPH
95th Percentile : 58 MPH

Stats
Mean Speed(Average) : 48 MPH
10 MPH Pace Speed : 46-55 MPH
Number in Pace : 2427
Percent in Pace : 62.2%
Number of Vehicles > 45 MPH : 2820
Percent of Vehicles > 45 MPH : 72.2%

FOR LAND USE PERMITTING (EXHIBIT B)

KEY DATA NETWORK

K-D-N.com
Tualatin, OR 97062
503-804-3294

SW 124th Ave South of Tualatin-Sherwood
Latitude: 0' 0.0000 Undefined
Longitude: 0' 0.0000 Undefined

NB, SB

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
06/26/19	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
00:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
00:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
00:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

FOR LAND USE PERMITTING (EXHIBIT B)

KEY DATA NETWORK

K-D-N.com
Tualatin, OR 97062
503-804-3294

SW 124th Ave South of Tualatin-Sherwood
Latitude: 0' 0.0000 Undefined
Longitude: 0' 0.0000 Undefined

NB, SB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12 PM	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	0	0	0	0	0	0	3	4	13	4	1	2	0	0	37
21:15	0	0	0	0	0	0	4	6	6	3	1	1	0	0	21
21:30	0	0	0	0	0	0	1	3	2	3	0	1	0	0	10
21:45	0	0	0	0	1	3	3	8	7	1	0	0	0	0	23
22:00	0	0	0	0	1	6	12	30	25	11	2	4	0	0	91
22:15	0	0	0	0	0	0	2	9	7	3	1	0	0	0	22
22:30	0	0	0	0	1	0	4	10	6	0	0	0	0	0	21
22:45	0	0	0	0	0	2	2	7	6	0	0	0	0	0	17
23:00	0	0	0	0	1	3	11	29	22	3	1	0	0	0	70
23:15	0	0	0	0	0	0	0	3	3	1	0	0	0	0	7
23:30	0	0	0	0	0	0	1	4	3	5	1	0	0	0	14
23:45	0	0	0	0	0	0	2	2	2	0	0	1	0	0	7
Total	0	0	0	0	2	9	26	71	56	21	5	5	0	0	195

FOR LAND USE PERMITTING (EXHIBIT B)

KEY DATA NETWORK

K-D-N.com
Tualatin, OR 97062
503-804-3294

SW 124th Ave South of Tualatin-Sherwood
Latitude: 0' 0.0000 Undefined
Longitude: 0' 0.0000 Undefined

NB, SB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
06/27/19	0	0	0	0	0	1	1	4	3	4	1	0	0	0	14
00:15	0	0	0	0	0	0	0	2	0	1	0	0	0	0	3
00:30	0	0	0	0	0	0	1	2	3	2	0	0	0	1	9
00:45	0	0	0	0	0	1	0	0	5	1	0	0	0	0	7
01:00	0	0	0	0	0	2	2	8	11	8	1	0	0	1	33
01:15	1	0	0	0	0	0	1	1	2	0	0	0	0	0	5
01:30	0	0	0	0	0	0	2	2	0	0	0	0	0	1	5
01:45	0	0	0	0	0	1	1	3	0	0	0	0	0	0	5
02:00	0	0	0	0	0	0	1	3	2	3	0	0	0	0	9
02:15	1	0	0	0	0	1	5	9	4	3	0	0	0	1	24
02:30	0	0	0	0	0	1	2	6	3	1	0	0	0	0	13
02:45	0	0	0	0	0	0	1	5	12	3	0	0	0	0	21
03:00	0	0	0	0	0	0	1	6	2	1	0	1	0	0	11
03:15	0	0	0	0	0	0	0	2	0	0	1	0	0	0	3
03:30	0	0	0	0	0	1	4	19	17	5	1	1	0	0	48
03:45	0	0	0	0	1	0	0	4	3	0	0	0	1	0	9
04:00	0	0	0	0	0	0	0	1	1	0	0	0	0	0	2
04:15	0	0	0	0	1	2	4	4	3	0	0	0	0	0	14
04:30	0	0	0	0	0	2	2	6	8	1	1	0	0	0	18
04:45	0	0	0	0	2	2	6	15	15	1	1	0	1	0	43
05:00	0	0	0	0	0	0	7	2	1	0	0	0	0	0	10
05:15	0	0	0	0	0	2	7	7	5	0	3	0	0	0	24
05:30	1	0	0	0	0	4	10	16	9	3	0	0	0	0	43
05:45	0	0	0	0	0	0	10	21	9	4	0	0	0	0	44
06:00	1	0	0	0	0	6	34	46	24	7	3	0	0	0	121
06:15	0	0	0	0	0	2	1	17	9	4	2	0	0	0	35
06:30	1	0	0	0	1	15	5	16	11	5	1	1	0	0	56
06:45	1	0	0	0	0	0	10	26	26	9	1	0	0	0	73
07:00	0	0	0	0	0	1	19	23	30	17	2	1	0	0	93
07:15	2	0	0	0	1	18	35	82	76	35	6	2	0	0	257
07:30	1	0	0	0	0	8	27	27	24	9	1	0	0	1	98
07:45	0	0	0	0	0	5	30	49	24	8	2	0	0	0	118
08:00	2	0	0	0	2	10	34	42	24	5	2	2	0	0	123
08:15	1	0	0	0	0	3	33	51	36	12	4	0	0	0	140
08:30	4	0	0	0	2	26	124	169	108	34	9	2	0	1	479
08:45	2	0	0	0	6	9	37	33	20	8	2	0	0	0	117
09:00	1	0	0	0	0	22	29	33	22	6	0	0	0	0	113
09:15	3	0	0	0	8	3	37	34	24	10	2	0	0	0	121
09:30	1	0	0	0	0	6	65	62	31	11	3	0	0	0	179
09:45	7	0	0	0	14	40	168	162	97	35	7	0	0	0	530
10:00	2	0	0	0	4	15	24	33	25	7	3	0	0	0	113
10:15	6	0	0	0	0	18	37	54	31	4	3	0	0	0	153
10:30	2	0	0	0	0	4	28	46	30	5	1	3	0	0	119
10:45	1	0	0	0	0	9	24	37	23	6	3	0	0	0	103
11:00	11	0	0	0	4	46	113	170	109	22	10	3	0	0	488
11:15	1	0	0	0	5	12	15	27	20	2	0	1	0	0	83
11:30	4	0	0	0	0	3	26	27	19	5	1	0	0	0	85
11:45	5	0	0	5	1	9	18	32	19	2	3	0	0	0	94
12:00	2	0	0	0	0	7	20	24	14	5	1	0	0	0	73
12:15	12	0	0	5	6	31	79	110	72	14	5	1	0	0	335
12:30	1	0	1	0	0	3	24	29	13	8	1	0	0	0	80
12:45	4	1	0	0	3	7	28	23	19	4	3	0	0	0	92
13:00	3	0	0	1	0	2	23	32	24	5	1	0	0	0	91
13:15	0	0	0	0	1	2	11	25	16	2	3	0	0	0	60
13:30	8	1	1	1	4	14	86	109	72	19	8	0	0	0	323
13:45	2	0	0	0	0	2	19	33	21	6	0	0	0	0	83
14:00	4	0	0	0	1	6	20	26	16	8	1	0	0	0	82
14:15	1	0	0	0	2	5	23	37	16	6	1	0	0	0	91
14:30	2	0	0	0	1	5	31	31	20	7	0	0	0	0	97
14:45	9	0	0	0	4	18	93	127	73	27	2	0	0	0	353
Total	55	1	1	6	37	205	749	1026	678	210	53	9	1	3	3034

FOR LAND USE PERMITTING (EXHIBIT B)

KEY DATA NETWORK

K-D-N.com
Tualatin, OR 97062
503-804-3294

SW 124th Ave South of Tualatin-Sherwood
Latitude: 0' 0.0000 Undefined
Longitude: 0' 0.0000 Undefined

NB, SB

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
12 PM	4	0	2	1	0	7	38	26	23	2	2	0	0	0	105
12:15	1	0	0	0	0	4	32	29	19	3	1	0	0	0	89
12:30	0	0	0	0	1	2	23	31	24	4	1	2	0	0	88
12:45	2	0	0	0	0	2	19	29	22	7	3	0	0	0	84
	7	0	2	1	1	15	112	115	88	16	7	2	0	0	366
13:00	2	0	0	0	0	3	28	36	15	11	3	0	0	0	98
13:15	1	0	0	0	4	8	17	33	20	5	2	0	0	0	90
13:30	3	0	0	0	0	5	24	44	12	3	1	0	0	0	92
13:45	2	0	0	0	0	5	22	37	15	6	2	0	0	0	89
	8	0	0	0	4	21	91	150	62	25	8	0	0	0	369
14:00	1	0	0	0	3	3	24	52	32	8	1	0	0	0	124
14:15	3	0	1	0	0	1	34	36	38	5	0	0	0	0	118
14:30	5	0	0	0	0	6	44	70	31	7	0	0	0	0	163
14:45	6	0	0	0	0	1	35	54	34	8	5	1	0	0	144
	15	0	1	0	3	11	137	212	135	28	6	1	0	0	549
15:00	5	0	0	0	0	7	22	47	54	15	3	0	0	0	153
15:15	7	0	0	0	0	5	52	68	28	5	1	1	0	0	167
15:30	9	0	0	0	0	9	73	77	43	11	3	1	0	0	226
15:45	7	0	0	0	1	19	43	49	31	6	2	0	0	0	158
	28	0	0	0	1	40	190	241	156	37	9	2	0	0	704
16:00	6	0	0	0	0	9	65	92	46	11	1	0	0	0	230
16:15	5	0	0	0	0	8	47	80	38	9	1	0	0	0	188
16:30	7	0	0	0	0	7	62	85	50	13	0	0	0	0	224
16:45	8	0	0	0	3	18	34	62	38	10	1	0	0	0	174
	26	0	0	0	3	42	208	319	172	43	3	0	0	0	816
17:00	8	0	0	0	0	2	31	98	45	21	1	1	0	0	207
17:15	4	0	0	0	2	4	29	64	43	12	0	1	0	0	159
17:30	4	0	0	0	0	10	44	51	37	16	2	0	0	0	164
17:45	5	0	0	0	0	1	16	65	47	10	0	0	1	0	145
	21	0	0	0	2	17	120	278	172	59	3	2	1	0	675
18:00	2	0	0	0	0	0	12	56	35	14	3	0	0	0	122
18:15	5	0	0	0	0	1	7	36	53	12	0	0	0	0	114
18:30	2	0	0	0	0	1	29	30	31	11	3	2	0	0	109
18:45	0	0	0	0	0	1	8	24	33	6	4	0	0	0	76
	9	0	0	0	0	3	56	146	152	43	10	2	0	0	421
19:00	0	0	0	0	0	1	18	22	20	5	1	0	1	2	70
19:15	1	0	0	0	0	2	12	31	20	4	2	0	0	0	72
19:30	1	0	0	0	0	3	12	13	16	2	0	0	0	0	47
19:45	0	0	0	0	0	2	8	9	9	5	1	0	0	0	34
	2	0	0	0	0	8	50	75	65	16	4	0	1	2	223
20:00	0	0	0	0	2	1	7	12	12	2	1	0	0	0	37
20:15	0	0	0	0	0	0	8	24	15	1	0	0	0	0	48
20:30	0	0	0	0	0	1	4	21	7	9	1	0	0	0	43
20:45	0	0	0	0	0	2	4	12	12	6	2	0	1	0	39
	0	0	0	0	2	4	23	69	46	18	4	0	1	0	167
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:45	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	116	0	3	1	16	161	987	1605	1048	285	54	9	3	2	4290
Grand Total	171	1	4	7	55	375	1762	2702	1782	516	112	23	4	5	7519

15th Percentile : 41 MPH
50th Percentile : 47 MPH
85th Percentile : 53 MPH
95th Percentile : 57 MPH

Stats
Mean Speed(Average) : 47 MPH
10 MPH Pace Speed : 46-55 MPH
Number in Pace : 4484
Percent in Pace : 59.6%
Number of Vehicles > 45 MPH : 5144
Percent of Vehicles > 45 MPH : 68.4%

FOR LAND USE PERMITTING (EXHIBIT B)

KEY DATA NETWORK

K-D-N.com
Tualatin, OR 97062
503-804-3294

SW 124th Ave South of T-S Rd

Latitude: 0' 0.0000 Undefined
Longitude: 0' 0.0000 Undefined

NB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
08/24/19	0	0	0	0	0	0	1	4	0	0	1	0	0	0	6
00:15	0	0	0	0	0	0	1	1	1	1	1	0	0	0	5
00:30	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
00:45	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
01:00	0	0	0	0	1	0	2	6	1	1	2	0	0	0	13
01:15	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
01:30	0	0	0	0	0	0	0	1	0	1	0	0	0	0	2
01:45	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2
02:00	0	0	0	0	0	2	0	2	0	1	1	0	0	0	6
02:15	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
02:30	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
02:45	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2
03:00	0	0	0	0	0	0	1	0	2	1	1	0	0	0	5
03:15	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
03:30	0	0	0	0	0	0	0	1	2	0	0	0	0	0	3
03:45	0	0	0	0	0	0	2	2	0	1	0	0	0	0	5
04:00	0	0	0	0	0	0	2	3	4	1	0	0	0	0	10
04:15	0	0	0	0	0	0	1	1	1	0	0	0	0	0	3
04:30	0	0	0	0	1	0	0	5	1	0	0	1	0	0	9
04:45	0	0	0	0	0	0	0	2	3	2	0	0	0	0	7
05:00	0	0	0	0	1	0	5	11	5	3	1	1	0	0	27
05:15	0	0	0	0	0	0	3	1	1	0	0	0	0	0	5
05:30	0	0	0	0	0	0	0	2	5	3	0	0	0	0	10
05:45	0	0	0	0	0	0	4	4	1	3	3	0	0	0	15
06:00	0	0	0	0	0	0	7	9	7	7	3	0	0	0	33
06:15	0	0	0	0	0	0	0	4	0	1	3	0	0	0	8
06:30	0	0	0	0	0	0	1	0	1	2	0	0	0	0	4
06:45	0	0	0	0	0	2	7	7	1	1	0	0	0	0	11
07:00	0	0	0	0	1	2	8	4	3	0	2	0	0	0	20
07:15	0	0	0	0	1	2	11	15	5	4	5	0	0	0	43
07:30	0	0	0	0	0	0	0	4	3	2	0	1	0	0	10
07:45	1	0	0	0	0	3	1	5	4	3	0	0	0	0	17
08:00	1	0	0	0	0	0	1	3	8	3	0	0	0	0	16
08:15	1	0	0	0	0	1	4	10	9	9	0	0	0	0	25
08:30	3	0	0	0	0	3	3	16	25	17	0	1	0	0	68
08:45	1	0	0	0	0	6	3	10	2	5	1	0	0	0	28
09:00	0	0	0	0	0	4	3	6	4	1	2	0	0	0	20
09:15	0	0	0	0	0	0	9	8	9	5	1	0	0	0	32
09:30	0	0	0	0	0	3	4	11	9	4	1	1	0	0	33
09:45	1	0	0	0	0	13	19	35	24	15	5	1	0	0	113
10:00	0	0	0	2	1	0	5	11	3	1	1	0	0	0	24
10:15	0	0	0	0	0	0	4	8	8	4	3	0	0	0	27
10:30	3	0	0	0	0	0	2	11	11	11	3	1	0	0	42
10:45	2	0	0	0	0	0	6	12	10	5	1	1	0	0	37
11:00	5	0	0	2	1	0	17	42	32	21	8	2	0	0	130
11:15	0	0	0	0	0	1	2	5	15	3	4	0	0	1	31
11:30	1	0	0	0	0	2	5	9	14	7	0	0	1	0	39
11:45	0	0	0	0	0	0	8	9	18	5	1	0	0	0	41
12:00	0	0	0	0	1	0	10	9	11	4	0	0	0	0	35
12:15	1	0	0	0	1	3	25	32	58	19	5	0	1	1	146
12:30	0	0	0	0	0	2	5	15	7	3	0	0	0	0	32
12:45	0	0	0	0	0	0	3	8	19	0	0	1	0	0	31
13:00	1	0	0	0	0	2	4	19	7	1	2	0	0	0	36
13:15	0	0	0	0	0	4	3	14	9	3	0	0	0	0	33
13:30	1	0	0	0	0	8	15	56	42	7	2	1	0	0	132
Total	11	0	0	2	5	31	107	227	205	97	33	6	1	1	726

FOR LAND USE PERMITTING (EXHIBIT B)

KEY DATA NETWORK

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Tualatin, OR 97062
503-804-3294

SW 124th Ave South of T-S Rd

Latitude: 0' 0.0000 Undefined
Longitude: 0' 0.0000 Undefined

NB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12 PM	1	0	0	0	0	0	2	17	12	9	1	0	0	0	42
12:15	0	0	0	0	0	0	3	11	12	3	2	0	0	0	31
12:30	0	0	0	0	0	0	7	18	13	5	2	1	0	0	46
12:45	4	0	0	0	0	0	2	19	18	4	2	1	0	0	50
	5	0	0	0	0	0	14	65	55	21	7	2	0	0	169
13:00	0	0	0	0	0	3	6	14	22	4	2	0	0	0	51
13:15	0	0	0	0	0	0	11	21	13	4	0	0	0	0	49
13:30	1	0	0	0	0	1	10	16	15	6	2	0	0	0	51
13:45	1	0	0	0	0	0	4	6	23	8	2	1	0	0	45
	2	0	0	0	0	4	31	57	73	22	6	1	0	0	196
14:00	1	0	0	0	0	0	10	36	25	11	1	0	0	0	84
14:15	0	0	0	0	1	2	6	14	29	10	2	1	0	0	65
14:30	0	0	0	0	3	0	9	24	20	17	2	0	0	0	75
14:45	1	0	0	0	0	0	5	17	33	9	6	1	0	0	72
	2	0	0	0	4	2	30	91	107	47	11	2	0	0	296
15:00	0	0	0	0	0	1	10	15	21	8	4	0	0	0	59
15:15	1	0	0	0	0	0	6	13	22	5	0	0	1	0	48
15:30	1	0	0	0	0	1	5	13	9	9	2	0	0	0	40
15:45	0	0	0	0	0	0	7	19	16	10	2	0	0	0	54
	2	0	0	0	0	2	28	60	68	32	8	0	1	0	201
16:00	0	0	0	0	0	0	1	15	12	12	1	0	0	0	41
16:15	0	0	0	0	0	0	8	5	20	5	0	0	0	0	38
16:30	0	0	0	0	0	0	5	11	17	16	0	0	0	0	49
16:45	0	0	0	0	0	2	1	8	14	7	0	0	0	1	33
	0	0	0	0	0	2	15	39	63	40	1	0	0	1	161
17:00	0	0	0	0	0	3	4	18	7	4	1	0	0	0	37
17:15	0	0	0	0	0	0	1	16	17	8	1	1	0	0	44
17:30	0	0	0	0	0	2	5	10	18	8	1	1	0	0	45
17:45	0	0	0	0	0	2	3	5	4	1	2	0	1	0	18
	0	0	0	0	0	7	13	49	46	21	5	2	1	0	144
18:00	0	0	0	0	0	0	2	7	12	6	1	0	0	0	28
18:15	0	0	0	0	0	1	1	10	11	3	1	0	0	0	27
18:30	0	0	0	0	0	0	3	9	10	4	1	0	0	1	28
18:45	0	0	0	0	0	0	4	7	4	2	3	1	1	0	22
	0	0	0	0	0	1	10	33	37	15	6	1	1	1	105
19:00	0	0	0	1	0	1	5	5	10	4	0	0	0	0	26
19:15	0	0	0	0	0	1	4	10	6	0	0	0	0	0	21
19:30	0	0	0	0	1	0	1	4	8	2	1	0	0	0	17
19:45	0	0	0	0	0	3	1	6	5	2	0	0	0	0	17
	0	0	0	1	1	5	11	25	29	8	1	0	0	0	81
20:00	0	0	0	0	0	0	7	12	11	1	1	1	0	0	33
20:15	0	0	0	0	0	0	0	9	7	4	1	1	0	0	22
20:30	1	0	0	0	0	0	6	13	4	0	0	0	0	0	24
20:45	0	0	0	0	0	0	1	2	7	4	0	0	0	0	14
	1	0	0	0	0	0	14	36	29	9	2	2	0	0	93
21:00	0	0	0	0	0	0	2	2	5	2	0	0	0	0	11
21:15	0	0	0	0	0	0	1	6	8	4	1	0	0	0	20
21:30	0	0	0	0	1	3	3	3	2	2	0	0	0	0	14
21:45	0	0	0	0	0	0	0	6	3	1	1	1	0	0	12
	0	0	0	0	1	3	6	17	18	9	2	1	0	0	57
22:00	0	0	0	0	0	0	3	3	5	1	0	0	0	0	12
22:15	0	0	0	0	0	0	1	4	1	1	0	0	1	0	8
22:30	0	0	0	0	0	0	1	6	3	1	0	0	0	0	11
22:45	0	0	0	0	0	0	2	1	2	2	0	0	0	0	7
	0	0	0	0	0	0	7	14	11	5	0	0	1	0	38
23:00	0	0	0	0	0	0	0	1	4	1	0	0	0	0	6
23:15	0	0	0	0	0	1	0	2	5	0	0	0	0	0	8
23:30	0	0	0	0	0	0	1	0	2	3	0	0	0	0	6
23:45	0	0	0	0	0	0	1	2	3	2	0	0	0	0	8
	0	0	0	0	0	1	2	5	14	6	0	0	0	0	28
Total	12	0	0	1	6	27	181	491	550	235	49	11	4	2	1569
Grand Total	23	0	0	3	11	58	288	718	755	332	82	17	5	3	2295

15th Percentile : 44 MPH
50th Percentile : 50 MPH
85th Percentile : 56 MPH
95th Percentile : 59 MPH

Stats
Mean Speed(Average) : 50 MPH
10 MPH Pace Speed : 46-55 MPH
Number in Pace : 1473
Percent in Pace : 64.2%
Number of Vehicles > 45 MPH : 1912
Percent of Vehicles > 45 MPH : 83.3%

FOR LAND USE PERMITTING (EXHIBIT B)

KEY DATA NETWORK

K-D-N.com
Tualatin, OR 97062
503-804-3294

SW 124th Ave South of T-S Rd

Latitude: 0' 0.0000 Undefined
Longitude: 0' 0.0000 Undefined

SB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
08/24/19	0	0	0	0	0	0	0	4	1	2	1	1	0	0	9
00:15	0	0	0	0	0	0	0	1	3	2	2	0	0	0	8
00:30	0	0	0	0	0	1	0	2	1	0	2	0	2	0	8
00:45	0	0	0	0	0	0	0	0	5	4	0	1	0	0	10
01:00	0	0	0	0	0	1	0	7	10	8	5	2	2	0	35
01:15	0	0	0	0	0	0	1	2	4	1	0	1	2	0	11
01:30	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2
01:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	1	1	1	1	0	0	0	3
02:15	0	0	0	0	0	1	0	0	2	7	2	1	1	2	16
02:30	0	0	0	0	0	0	0	0	0	0	5	0	0	0	6
02:45	0	0	0	0	0	0	0	1	2	2	0	0	0	0	5
03:00	0	0	0	0	1	0	0	2	3	4	5	0	0	0	15
03:15	0	0	0	0	0	0	0	1	0	2	0	0	0	0	3
03:30	0	0	0	0	0	0	0	1	0	1	0	0	0	0	2
03:45	0	0	0	0	0	0	0	0	3	1	0	0	0	0	4
04:00	0	0	0	0	0	0	0	2	4	4	0	0	1	0	11
04:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	1	2	2	0	0	0	0	5
04:45	0	0	0	0	0	0	0	0	2	2	1	0	0	0	5
05:00	0	0	0	0	0	0	0	1	4	4	1	0	0	0	10
05:15	0	0	0	0	0	0	0	3	2	4	0	0	0	0	9
05:30	0	0	0	0	0	0	0	1	0	0	3	1	0	0	5
05:45	0	0	0	0	0	0	0	2	1	1	1	0	0	0	5
06:00	0	0	0	0	0	0	0	7	4	7	5	2	0	0	25
06:15	0	0	0	0	0	0	0	1	3	1	2	0	0	0	7
06:30	0	0	0	0	0	0	0	2	1	2	1	0	0	0	6
06:45	0	0	0	0	0	0	0	2	3	5	4	0	0	0	14
07:00	0	0	0	0	0	0	0	1	4	2	2	0	0	0	9
07:15	0	0	0	0	1	0	0	6	11	10	9	0	0	0	36
07:30	0	0	0	0	0	0	0	3	5	2	3	0	0	0	14
07:45	0	0	0	0	0	0	0	3	7	4	3	2	1	0	20
08:00	1	0	0	0	0	0	0	3	6	3	5	1	0	1	20
08:15	1	0	0	0	0	0	0	1	7	7	0	1	0	0	17
08:30	2	0	0	0	1	0	0	10	25	16	11	4	1	1	71
08:45	2	0	0	0	0	1	1	5	10	11	2	1	1	0	33
09:00	0	0	0	0	0	1	0	2	6	9	2	2	1	0	23
09:15	0	0	0	0	0	0	0	0	5	6	1	1	0	0	13
09:30	0	0	0	0	0	0	0	3	13	16	7	2	0	0	41
09:45	2	0	0	0	0	1	1	10	34	42	12	6	2	0	110
10:00	1	0	0	0	0	0	0	3	11	12	3	4	0	0	34
10:15	1	0	0	0	0	0	2	10	9	12	1	1	1	0	37
10:30	1	0	0	0	0	0	0	8	16	11	2	1	0	0	39
10:45	1	0	0	0	0	0	9	11	13	10	1	2	0	0	47
11:00	4	0	0	0	0	0	11	32	49	45	7	8	1	0	157
11:15	0	0	0	0	0	0	1	6	19	9	4	1	0	0	40
11:30	1	0	0	0	0	0	2	4	16	18	4	4	0	1	50
11:45	3	0	0	0	0	0	0	10	16	20	6	2	0	0	57
Total	2	0	0	0	0	0	3	19	19	19	4	0	0	0	47
	6	0	0	0	0	0	3	23	70	66	18	7	0	1	194
	0	0	0	0	0	0	7	14	14	15	2	1	0	0	53
	0	0	0	0	0	1	6	15	21	14	3	0	0	0	60
	2	0	0	0	0	0	3	24	16	15	1	1	0	0	62
	1	0	0	0	0	0	0	9	27	19	10	1	0	0	67
	3	0	0	0	0	1	16	62	78	63	16	3	0	0	242
Total	17	0	0	0	2	3	32	164	299	271	90	33	9	2	922

FOR LAND USE PERMITTING (EXHIBIT B)

KEY DATA NETWORK

K-D-N.com
Tualatin, OR 97062
503-804-3294

SW 124th Ave South of T-S Rd

Latitude: 0' 0.0000 Undefined
Longitude: 0' 0.0000 Undefined

SB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12 PM	0	0	0	0	0	0	4	7	23	17	6	3	0	0	60
12:15	0	0	0	0	0	0	0	8	18	28	8	1	0	0	63
12:30	1	0	0	0	0	0	0	7	19	31	5	0	0	0	63
12:45	0	0	0	0	2	0	1	11	19	28	21	0	0	0	82
13:00	1	0	0	0	2	0	5	33	79	104	40	4	0	0	268
13:00	1	0	0	0	0	0	0	15	35	26	5	1	0	0	83
13:15	0	0	0	0	0	0	0	5	26	29	10	3	1	0	74
13:30	1	0	0	0	0	0	1	7	39	30	6	1	0	1	86
13:45	2	0	0	0	0	0	3	7	22	26	14	2	1	0	77
14:00	4	0	0	0	0	0	4	34	122	111	35	7	2	1	320
14:00	0	0	0	1	0	0	0	6	11	17	14	1	1	0	51
14:15	2	0	0	0	0	0	1	14	31	25	6	3	0	0	82
14:30	2	0	0	0	0	0	0	6	14	25	6	2	0	0	55
14:45	1	0	0	0	0	0	0	2	12	22	12	2	1	0	52
15:00	5	0	0	1	0	0	1	28	68	89	38	8	2	0	240
15:00	0	0	0	0	0	1	0	5	14	14	10	5	1	0	50
15:15	2	0	0	0	0	0	0	10	24	16	6	3	0	0	61
15:30	1	0	0	0	0	0	2	2	15	18	14	2	0	0	54
15:45	0	0	0	0	0	0	2	9	15	5	4	0	0	0	35
16:00	3	0	0	0	0	1	4	26	68	53	34	10	1	0	200
16:00	1	0	0	0	0	0	0	1	16	26	8	1	0	0	53
16:15	0	0	0	0	0	0	0	8	15	17	10	3	0	0	53
16:30	0	0	0	0	0	1	5	4	12	14	3	2	0	0	41
16:45	1	0	0	0	0	0	3	11	10	16	5	0	0	0	46
17:00	2	0	0	0	0	1	8	24	53	73	26	6	0	0	193
17:00	2	0	0	0	0	0	0	5	4	13	12	4	0	1	41
17:15	1	0	0	0	0	0	0	3	15	12	8	1	1	0	41
17:30	1	0	0	0	0	0	0	4	10	14	5	3	0	0	37
17:45	1	0	0	0	0	1	0	7	7	15	7	1	0	1	40
18:00	5	0	0	0	0	1	0	19	36	54	32	9	1	2	159
18:00	0	0	0	0	0	0	0	1	7	11	7	6	0	0	32
18:15	0	0	0	0	0	0	1	2	17	3	6	3	0	0	32
18:30	0	0	0	0	0	0	1	4	2	9	5	2	0	0	23
18:45	0	0	0	0	0	1	0	0	5	14	11	0	0	1	32
19:00	0	0	0	0	0	1	2	7	31	37	29	11	0	1	119
19:00	3	0	0	0	0	0	0	1	2	4	5	3	0	1	19
19:15	0	0	0	0	0	0	0	2	7	3	4	0	0	0	16
19:30	0	0	0	0	0	0	0	3	5	4	7	4	0	0	23
19:45	0	0	0	0	0	1	0	1	5	9	6	0	0	0	22
20:00	3	0	0	0	0	1	0	7	19	20	22	7	0	1	80
20:00	0	0	0	0	0	0	0	0	11	2	2	3	1	0	19
20:15	0	0	0	0	0	0	2	1	6	11	2	2	0	1	25
20:30	0	0	0	0	0	0	1	4	8	5	2	1	1	0	22
20:45	0	0	0	0	0	0	1	1	11	4	4	2	2	0	25
21:00	0	0	0	0	0	0	4	6	36	22	10	8	4	1	91
21:00	0	0	0	0	0	1	0	5	10	5	0	0	0	0	21
21:15	0	0	0	0	0	1	0	4	6	9	2	0	0	1	23
21:30	0	0	0	0	0	0	0	3	7	8	2	1	0	0	21
21:45	0	0	0	0	0	0	0	1	3	3	1	0	0	0	8
22:00	0	0	0	0	0	1	1	8	21	30	10	1	0	1	73
22:00	0	0	0	0	0	0	2	4	6	2	2	1	1	0	18
22:15	1	0	0	0	0	0	1	2	10	4	1	0	0	0	19
22:30	0	0	0	0	0	0	1	3	5	5	2	0	0	0	16
22:45	0	0	0	0	0	0	0	4	7	2	0	1	0	0	14
23:00	1	0	0	0	0	0	4	13	28	13	5	2	1	0	67
23:00	0	0	0	0	0	0	0	0	4	4	2	0	0	0	10
23:15	0	0	0	0	0	0	1	0	0	1	0	0	0	0	2
23:30	0	0	0	0	0	0	0	1	2	1	0	0	1	0	5
23:45	0	0	0	0	0	0	0	1	2	0	1	0	0	0	4
Total	0	0	0	0	0	0	1	2	8	6	3	0	1	0	21
Total	24	0	0	1	2	6	34	207	569	612	284	73	12	7	1831
Grand Total	41	0	0	1	4	9	66	371	868	883	374	106	21	9	2753

15th Percentile : 48 MPH
50th Percentile : 55 MPH
85th Percentile : 61 MPH
95th Percentile : 64 MPH

Stats
Mean Speed(Average) : 55 MPH
10 MPH Pace Speed : 51-60 MPH
Number in Pace : 1751
Percent in Pace : 63.6%
Number of Vehicles > 45 MPH : 2632
Percent of Vehicles > 45 MPH : 95.6%

FOR LAND USE PERMITTING (EXHIBIT B)

KEY DATA NETWORK

K-D-N.com
Tualatin, OR 97062
503-804-3294

SW 124th Ave South of T-S Rd

Latitude: 0' 0.0000 Undefined
Longitude: 0' 0.0000 Undefined

NB, SB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
08/24/19	0	0	0	0	0	0	1	8	1	2	2	1	0	0	15
00:15	0	0	0	0	0	0	1	2	4	3	3	0	0	0	13
00:30	0	0	0	0	0	1	0	3	1	0	2	0	2	0	9
00:45	0	0	0	0	1	0	0	0	5	4	0	1	0	0	11
01:00	0	0	0	0	1	1	2	13	11	9	7	2	2	0	48
01:15	0	0	0	0	0	0	1	3	4	1	0	1	2	0	12
01:30	0	0	0	0	0	0	0	1	2	1	0	0	0	0	4
01:45	0	0	0	0	0	2	0	0	1	1	1	0	0	0	5
02:00	0	0	0	0	0	2	1	4	7	3	2	1	2	0	22
02:15	0	0	0	0	1	0	0	0	0	1	5	0	0	0	7
02:30	0	0	0	0	0	0	0	0	1	2	1	0	0	0	4
02:45	0	0	0	0	0	0	1	1	2	2	0	0	0	0	6
03:00	0	0	0	0	1	0	1	2	5	5	6	0	0	0	3
03:15	0	0	0	0	0	0	0	1	1	2	0	0	0	0	20
03:30	0	0	0	0	0	0	0	1	1	0	0	0	0	0	4
03:45	0	0	0	0	0	0	0	1	1	0	0	0	0	0	3
04:00	0	0	0	0	0	0	2	2	3	2	0	0	0	0	5
04:15	0	0	0	0	0	0	2	5	8	5	0	0	1	0	9
04:30	0	0	0	0	0	0	1	1	1	0	0	0	0	0	21
04:45	0	0	0	0	0	1	1	1	1	0	0	0	0	0	3
05:00	0	0	0	0	0	0	4	3	0	1	1	0	0	0	9
05:15	0	0	0	0	1	0	0	6	3	2	0	1	0	0	13
05:30	0	0	0	0	0	0	0	2	5	4	1	0	0	0	12
05:45	0	0	0	0	1	0	5	12	9	7	2	1	0	0	37
06:00	0	0	0	0	0	0	3	4	3	4	0	0	0	0	14
06:15	0	0	0	0	0	0	0	3	1	3	1	1	0	0	9
06:30	0	0	0	0	0	0	0	3	5	3	3	1	0	0	15
06:45	0	0	0	0	0	4	6	2	4	4	4	0	0	0	20
07:00	0	0	0	0	0	0	7	16	11	14	8	2	0	0	58
07:15	0	0	0	0	0	0	0	5	3	2	5	0	0	0	15
07:30	0	0	0	0	0	0	1	2	2	4	1	0	0	0	10
07:45	0	0	0	0	0	2	9	4	6	4	4	0	0	0	25
08:00	0	0	0	0	1	2	8	5	7	2	4	0	0	0	29
08:15	0	0	0	0	1	2	11	21	16	14	14	0	0	0	79
08:30	0	0	0	0	1	0	0	7	8	4	3	1	0	0	24
08:45	1	0	0	0	0	3	1	8	11	7	3	2	1	0	37
09:00	2	0	0	0	0	0	1	6	14	6	5	1	0	1	36
09:15	2	0	0	0	0	0	1	5	17	16	0	1	0	0	42
09:30	5	0	0	0	1	3	3	26	50	33	11	5	1	1	139
09:45	3	0	0	0	0	6	4	15	12	16	3	1	1	0	61
10:00	0	0	0	0	0	5	3	8	10	10	4	2	1	0	43
10:15	0	0	0	0	0	0	9	8	14	11	2	1	0	0	45
10:30	0	0	0	0	3	4	14	22	20	8	3	0	0	0	74
10:45	3	0	0	0	0	14	20	45	58	57	17	7	2	0	223
11:00	1	0	0	2	1	0	5	14	14	13	4	4	0	0	58
11:15	1	0	0	0	0	0	6	18	17	16	4	1	1	0	64
11:30	4	0	0	0	0	0	2	19	27	22	5	2	0	0	81
11:45	3	0	0	0	0	0	15	23	23	15	2	3	0	0	84
12:00	9	0	0	2	1	0	28	74	81	66	15	10	1	0	287
12:15	0	0	0	0	0	1	3	11	34	12	8	1	0	1	71
12:30	2	0	0	0	0	2	7	13	30	25	4	4	1	1	89
12:45	3	0	0	0	0	0	8	19	34	25	7	2	0	0	98
13:00	2	0	0	0	1	0	10	12	30	23	4	0	0	0	82
13:15	7	0	0	0	1	3	28	55	128	85	23	7	1	2	340
13:30	0	0	0	0	0	2	12	29	21	18	2	1	0	0	85
13:45	0	0	0	0	0	1	9	23	40	14	3	1	0	0	91
14:00	3	0	0	0	0	2	7	43	23	16	3	1	0	0	98
14:15	1	0	0	0	0	4	3	23	36	22	10	1	0	0	100
14:30	4	0	0	0	0	9	31	118	120	70	18	4	0	0	374
Total	28	0	0	2	7	34	139	391	504	368	123	39	10	3	1648

FOR LAND USE PERMITTING (EXHIBIT B)

KEY DATA NETWORK

K-D-N.com
Tualatin, OR 97062
503-804-3294

SW 124th Ave South of T-S Rd

Latitude: 0' 0.0000 Undefined
Longitude: 0' 0.0000 Undefined

NB, SB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12 PM	1	0	0	0	0	0	6	24	35	26	7	3	0	0	102
12:15	0	0	0	0	0	0	3	19	30	31	10	1	0	0	94
12:30	1	0	0	0	0	0	7	25	32	36	7	1	0	0	109
12:45	4	0	0	0	2	0	3	30	37	32	23	1	0	0	132
	6	0	0	0	2	0	19	98	134	125	47	6	0	0	437
13:00	1	0	0	0	0	3	6	29	57	30	7	1	0	0	134
13:15	0	0	0	0	0	0	11	26	39	33	10	3	1	0	123
13:30	2	0	0	0	0	1	11	23	54	36	8	1	0	1	137
13:45	3	0	0	0	0	0	7	13	45	34	16	3	1	0	122
	6	0	0	0	0	4	35	91	195	133	41	8	2	1	516
14:00	1	0	0	1	0	0	10	42	36	28	15	1	1	0	135
14:15	2	0	0	0	1	2	7	28	60	35	8	4	0	0	147
14:30	2	0	0	0	3	0	9	30	34	42	8	2	0	0	130
14:45	2	0	0	0	0	0	5	19	45	31	18	3	1	0	124
	7	0	0	1	4	2	31	119	175	136	49	10	2	0	536
15:00	0	0	0	0	0	2	10	20	35	22	14	5	1	0	109
15:15	3	0	0	0	0	0	6	23	46	21	6	3	1	0	109
15:30	2	0	0	0	0	1	7	15	24	27	16	2	0	0	94
15:45	0	0	0	0	0	0	9	28	31	15	6	0	0	0	89
	5	0	0	0	0	3	32	86	136	85	42	10	2	0	401
16:00	1	0	0	0	0	0	1	16	28	38	9	1	0	0	94
16:15	0	0	0	0	0	0	8	13	35	22	10	3	0	0	91
16:30	0	0	0	0	0	1	10	15	29	30	3	2	0	0	90
16:45	1	0	0	0	0	2	4	19	24	23	5	0	0	1	79
	2	0	0	0	0	3	23	63	116	113	27	6	0	1	354
17:00	2	0	0	0	0	3	4	23	11	17	13	4	0	1	78
17:15	1	0	0	0	0	0	1	19	32	20	9	2	1	0	85
17:30	1	0	0	0	0	2	5	14	28	22	6	4	0	0	82
17:45	1	0	0	0	0	3	3	12	11	16	9	1	1	1	58
	5	0	0	0	0	8	13	68	82	75	37	11	2	2	303
18:00	0	0	0	0	0	0	2	8	19	17	8	6	0	0	60
18:15	0	0	0	0	0	1	2	12	28	6	7	3	0	0	59
18:30	0	0	0	0	0	0	4	13	12	13	6	2	0	1	51
18:45	0	0	0	0	0	1	4	7	9	16	14	1	1	1	54
	0	0	0	0	0	2	12	40	68	52	35	12	1	2	224
19:00	3	0	0	1	0	1	5	6	12	8	5	3	0	1	45
19:15	0	0	0	0	0	1	4	12	13	3	4	0	0	0	37
19:30	0	0	0	0	1	0	1	7	13	6	8	4	0	0	40
19:45	0	0	0	0	0	4	1	7	10	11	6	0	0	0	39
	3	0	0	1	1	6	11	32	48	28	23	7	0	1	161
20:00	0	0	0	0	0	0	7	12	22	3	3	4	1	0	52
20:15	0	0	0	0	0	0	2	10	13	15	3	3	0	1	47
20:30	1	0	0	0	0	0	7	17	12	5	2	1	1	0	46
20:45	0	0	0	0	0	0	2	3	18	8	4	2	2	0	39
	1	0	0	0	0	0	18	42	65	31	12	10	4	1	184
21:00	0	0	0	0	0	0	3	2	10	12	5	0	0	0	32
21:15	0	0	0	0	0	1	1	10	14	13	3	0	0	1	43
21:30	0	0	0	0	1	3	3	6	9	10	2	1	0	0	35
21:45	0	0	0	0	0	0	0	7	6	4	2	1	0	0	20
	0	0	0	0	1	4	7	25	39	39	12	2	0	1	130
22:00	0	0	0	0	0	0	5	7	11	3	2	1	1	0	30
22:15	1	0	0	0	0	0	2	6	11	5	1	0	1	0	27
22:30	0	0	0	0	0	0	2	9	8	6	2	0	0	0	27
22:45	0	0	0	0	0	0	2	5	9	4	0	1	0	0	21
	1	0	0	0	0	0	11	27	39	18	5	2	2	0	105
23:00	0	0	0	0	0	0	0	1	8	5	2	0	0	0	16
23:15	0	0	0	0	0	1	1	2	5	1	0	0	0	0	10
23:30	0	0	0	0	0	0	1	1	4	4	0	0	1	0	11
23:45	0	0	0	0	0	0	1	3	5	2	1	0	0	0	12
	0	0	0	0	0	1	3	7	22	12	3	0	1	0	49
Total	36	0	0	2	8	33	215	698	1119	847	333	84	16	9	3400
Grand Total	64	0	0	4	15	67	354	1089	1623	1215	456	123	26	12	5048

15th Percentile : 46 MPH
50th Percentile : 52 MPH
85th Percentile : 59 MPH
95th Percentile : 63 MPH

Stats
Mean Speed(Average) : 53 MPH
10 MPH Pace Speed : 51-60 MPH
Number in Pace : 2838
Percent in Pace : 56.2%
Number of Vehicles > 45 MPH : 4544
Percent of Vehicles > 45 MPH : 90.0%

FOR LAND USE PERMITTING (EXHIBIT B)

APPENDIX C – HCM 2000 REPORTS ON EXISTING INTERSECTIONS

FOR LAND USE PERMITTING (EXHIBIT B)

HCM Signalized Intersection Capacity Analysis
1: SW 124th Ave & Tualatin-Sherwood Rd

AM Existing + T-S Park
07/02/2020



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	70	910	52	10	557	89	167	172	48	105	103	69
Future Volume (vph)	70	910	52	10	557	89	167	172	48	105	103	69
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	5.5	5.5	4.0	5.5	5.5	4.0	5.5		4.0	5.5	5.5
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00
Frt	1.00	1.00	0.85	1.00	1.00	0.85	1.00	0.97		1.00	1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00
Satd. Flow (prot)	1770	1863	1583	1770	1863	1583	1770	1802		1770	1863	1583
Flt Permitted	0.26	1.00	1.00	0.06	1.00	1.00	0.50	1.00		0.40	1.00	1.00
Satd. Flow (perm)	478	1863	1583	119	1863	1583	940	1802		746	1863	1583
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	76	989	57	11	605	97	182	187	52	114	112	75
RTOR Reduction (vph)	0	0	15	0	0	34	0	9	0	0	0	57
Lane Group Flow (vph)	76	989	42	11	605	63	182	230	0	114	112	18
Turn Type	pm+pt	NA	pt+ov	pm+pt	NA	pt+ov	pm+pt	NA		pm+pt	NA	pt+ov
Protected Phases	5	2	2 3	1	6	6 7	3	8		7	4	4 5
Permitted Phases	2			6			8			4		
Actuated Green, G (s)	74.4	69.1	88.8	64.1	62.8	78.4	34.6	20.5		26.5	16.4	29.5
Effective Green, g (s)	74.4	69.1	88.8	64.1	62.8	78.4	34.6	20.5		26.5	16.4	29.5
Actuated g/C Ratio	0.62	0.58	0.74	0.53	0.52	0.65	0.29	0.17		0.22	0.14	0.25
Clearance Time (s)	4.0	5.5		4.0	5.5		4.0	5.5		4.0	5.5	
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0		3.0	3.0	
Lane Grp Cap (vph)	378	1072	1171	81	974	1034	369	307		250	254	389
v/s Ratio Prot	c0.01	c0.53	0.03	0.00	0.32	0.04	c0.06	c0.13		0.04	0.06	0.01
v/s Ratio Perm	0.11			0.07			0.08			0.06		
v/c Ratio	0.20	0.92	0.04	0.14	0.62	0.06	0.49	0.75		0.46	0.44	0.05
Uniform Delay, d1	12.5	23.0	4.2	23.8	20.2	7.5	34.0	47.3		39.1	47.6	34.5
Progression Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00
Incremental Delay, d2	0.3	14.2	0.0	0.8	3.0	0.0	1.0	9.6		1.3	1.2	0.1
Delay (s)	12.8	37.2	4.2	24.6	23.2	7.5	35.1	56.9		40.4	48.8	34.6
Level of Service	B	D	A	C	C	A	D	E		D	D	C
Approach Delay (s)		33.9			21.1			47.5			42.1	
Approach LOS		C			C			D			D	

Intersection Summary

HCM 2000 Control Delay	33.5	HCM 2000 Level of Service	C
HCM 2000 Volume to Capacity ratio	0.85		
Actuated Cycle Length (s)	120.0	Sum of lost time (s)	19.0
Intersection Capacity Utilization	85.7%	ICU Level of Service	E
Analysis Period (min)	15		

c Critical Lane Group

FOR LAND USE PERMITTING (EXHIBIT B)

HCM Signalized Intersection Capacity Analysis
2: SW Basalt Creek/SW 124th Ave & SW Tonquin Rd

AM Existing + T-S Park
07/02/2020



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	18	68	293	0	29	31	128	326	0	5	136	8
Future Volume (vph)	18	68	293	0	29	31	128	326	0	5	136	8
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	5.5	5.5		5.5		4.0	5.5		4.0	5.5	
Lane Util. Factor	1.00	1.00	1.00		1.00		1.00	1.00		1.00	1.00	
Frt	1.00	1.00	0.85		0.92		1.00	1.00		1.00	0.99	
Flt Protected	0.95	1.00	1.00		1.00		0.95	1.00		0.95	1.00	
Satd. Flow (prot)	1770	1863	1583		1719		1770	1863		1770	1847	
Flt Permitted	0.49	1.00	1.00		1.00		0.52	1.00		0.55	1.00	
Satd. Flow (perm)	904	1863	1583		1719		965	1863		1023	1847	
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	20	74	318	0	32	34	139	354	0	5	148	9
RTOR Reduction (vph)	0	0	148	0	29	0	0	0	0	0	1	0
Lane Group Flow (vph)	20	74	170	0	37	0	139	354	0	5	156	0
Turn Type	pm+pt	NA	pt+ov	pm+pt	NA		pm+pt	NA		pm+pt	NA	
Protected Phases	7	4	4 5	3	8		5	2		1	6	
Permitted Phases	4			8			2			6		
Actuated Green, G (s)	13.6	13.6	28.2		8.5		28.0	23.2		15.7	14.9	
Effective Green, g (s)	13.6	13.6	28.2		8.5		28.0	23.2		15.7	14.9	
Actuated g/C Ratio	0.26	0.26	0.54		0.16		0.53	0.44		0.30	0.28	
Clearance Time (s)	4.0	5.5			5.5		4.0	5.5		4.0	5.5	
Vehicle Extension (s)	3.0	3.0			3.0		3.0	3.0		3.0	3.0	
Lane Grp Cap (vph)	251	481	848		277		652	821		316	523	
v/s Ratio Prot	0.00	0.04	c0.11		0.02		0.04	c0.19		0.00	0.08	
v/s Ratio Perm	0.02						0.08			0.00		
v/c Ratio	0.08	0.15	0.20		0.14		0.21	0.43		0.02	0.30	
Uniform Delay, d1	14.8	15.1	6.3		18.9		6.4	10.1		13.0	14.8	
Progression Factor	1.00	1.00	1.00		1.00		1.00	1.00		1.00	1.00	
Incremental Delay, d2	0.1	0.1	0.1		0.2		0.2	0.4		0.0	0.3	
Delay (s)	14.9	15.2	6.5		19.1		6.6	10.5		13.0	15.1	
Level of Service	B	B	A		B		A	B		B	B	
Approach Delay (s)		8.4			19.1			9.4			15.0	
Approach LOS		A			B			A			B	

Intersection Summary		
HCM 2000 Control Delay	10.4	HCM 2000 Level of Service
HCM 2000 Volume to Capacity ratio	0.43	B
Actuated Cycle Length (s)	52.6	Sum of lost time (s)
Intersection Capacity Utilization	41.5%	19.0
Analysis Period (min)	15	ICU Level of Service
		A

c Critical Lane Group

FOR LAND USE PERMITTING (EXHIBIT B)

HCM Signalized Intersection Capacity Analysis
1: SW 124th Ave & Tualatin-Sherwood Rd

PM Existing + TS Park
07/02/2020



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	69	806	137	19	744	53	73	179	12	115	334	215
Future Volume (vph)	69	806	137	19	744	53	73	179	12	115	334	215
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	5.5	5.5	4.0	5.5	5.5	4.0	5.5		4.0	5.5	5.5
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00
Frt	1.00	1.00	0.85	1.00	1.00	0.85	1.00	0.99		1.00	1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00
Satd. Flow (prot)	1770	1863	1583	1770	1863	1583	1770	1845		1770	1863	1583
Flt Permitted	0.07	1.00	1.00	0.07	1.00	1.00	0.23	1.00		0.43	1.00	1.00
Satd. Flow (perm)	126	1863	1583	135	1863	1583	437	1845		807	1863	1583
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	75	876	149	21	809	58	79	195	13	125	363	234
RTOR Reduction (vph)	0	0	56	0	0	23	0	2	0	0	0	145
Lane Group Flow (vph)	75	876	93	21	809	35	79	206	0	125	363	89
Turn Type	pm+pt	NA	pt+ov	pm+pt	NA	pt+ov	pm+pt	NA		pm+pt	NA	pt+ov
Protected Phases	5	2	2 3	1	6	6 7	3	8		7	4	4 5
Permitted Phases	2			6			8			4		
Actuated Green, G (s)	67.0	60.3	74.8	57.9	55.2	72.0	35.7	26.7		40.3	29.0	42.3
Effective Green, g (s)	67.0	60.3	74.8	57.9	55.2	72.0	35.7	26.7		40.3	29.0	42.3
Actuated g/C Ratio	0.56	0.50	0.62	0.48	0.46	0.60	0.30	0.22		0.34	0.24	0.35
Clearance Time (s)	4.0	5.5		4.0	5.5		4.0	5.5		4.0	5.5	
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0		3.0	3.0	
Lane Grp Cap (vph)	177	936	986	101	856	949	229	410		361	450	558
v/s Ratio Prot	c0.03	c0.47	0.06	0.00	0.43	0.02	0.03	0.11		c0.03	c0.19	0.06
v/s Ratio Perm	0.21			0.09			0.08			0.08		
v/c Ratio	0.42	0.94	0.09	0.21	0.95	0.04	0.34	0.50		0.35	0.81	0.16
Uniform Delay, d1	24.2	28.0	9.0	25.3	31.0	9.8	32.0	40.8		28.9	42.9	26.7
Progression Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00
Incremental Delay, d2	1.6	17.5	0.0	1.0	20.0	0.0	0.9	1.0		0.6	10.2	0.1
Delay (s)	25.8	45.5	9.1	26.3	51.0	9.8	32.9	41.8		29.4	53.0	26.8
Level of Service	C	D	A	C	D	A	C	D		C	D	C
Approach Delay (s)		39.2			47.7			39.4			40.4	
Approach LOS		D			D			D			D	

Intersection Summary		
HCM 2000 Control Delay	42.0	HCM 2000 Level of Service
HCM 2000 Volume to Capacity ratio	0.85	D
Actuated Cycle Length (s)	120.0	Sum of lost time (s)
Intersection Capacity Utilization	84.2%	19.0
Analysis Period (min)	15	ICU Level of Service
		E

c Critical Lane Group

FOR LAND USE PERMITTING (EXHIBIT B)

HCM Signalized Intersection Capacity Analysis
2: SW Basalt Creek/SW 124th Ave & SW Tonquin Rd

PM Existing + TS Park
07/02/2020



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	10	50	199	1	132	42	313	267	2	35	440	32
Future Volume (vph)	10	50	199	1	132	42	313	267	2	35	440	32
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	5.5	5.5	4.0	5.5		4.0	5.5		4.0	5.5	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00		1.00	1.00		1.00	1.00	
Frt	1.00	1.00	0.85	1.00	0.96		1.00	1.00		1.00	0.99	
Flt Protected	0.95	1.00	1.00	0.95	1.00		0.95	1.00		0.95	1.00	
Satd. Flow (prot)	1770	1863	1583	1770	1795		1770	1861		1770	1844	
Flt Permitted	0.49	1.00	1.00	0.72	1.00		0.21	1.00		0.58	1.00	
Satd. Flow (perm)	915	1863	1583	1345	1795		397	1861		1083	1844	
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	11	54	216	1	143	46	340	290	2	38	478	35
RTOR Reduction (vph)	0	0	116	0	9	0	0	0	0	0	2	0
Lane Group Flow (vph)	11	54	100	1	180	0	340	292	0	38	511	0
Turn Type	pm+pt	NA	pt+ov	pm+pt	NA		pm+pt	NA		pm+pt	NA	
Protected Phases	7	4	4 5	3	8		5	2		1	6	
Permitted Phases	4			8			2			6		
Actuated Green, G (s)	15.5	14.4	40.4	15.1	14.2		57.4	49.8		36.5	32.9	
Effective Green, g (s)	15.5	14.4	40.4	15.1	14.2		57.4	49.8		36.5	32.9	
Actuated g/C Ratio	0.18	0.16	0.46	0.17	0.16		0.65	0.57		0.42	0.38	
Clearance Time (s)	4.0	5.5		4.0	5.5		4.0	5.5		4.0	5.5	
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0		3.0	3.0	
Lane Grp Cap (vph)	172	305	729	235	290		580	1056		478	691	
v/s Ratio Prot	c0.00	0.03	0.06	0.00	c0.10		c0.14	0.16		0.00	c0.28	
v/s Ratio Perm	0.01			0.00			0.25			0.03		
v/c Ratio	0.06	0.18	0.14	0.00	0.62		0.59	0.28		0.08	0.74	
Uniform Delay, d1	30.0	31.5	13.6	30.1	34.2		10.3	9.7		15.3	23.7	
Progression Factor	1.00	1.00	1.00	1.00	1.00		1.00	1.00		1.00	1.00	
Incremental Delay, d2	0.2	0.3	0.1	0.0	3.9		1.5	0.1		0.1	4.2	
Delay (s)	30.1	31.8	13.7	30.1	38.2		11.8	9.9		15.3	27.9	
Level of Service	C	C	B	C	D		B	A		B	C	
Approach Delay (s)		17.8			38.1			10.9			27.0	
Approach LOS		B			D			B			C	

Intersection Summary		
HCM 2000 Control Delay	20.6	HCM 2000 Level of Service C
HCM 2000 Volume to Capacity ratio	0.66	
Actuated Cycle Length (s)	87.7	Sum of lost time (s) 19.0
Intersection Capacity Utilization	64.4%	ICU Level of Service C
Analysis Period (min)	15	

c Critical Lane Group

FOR LAND USE PERMITTING (EXHIBIT B)

APPENDIX D – OFF-SITE UTILITY COMPOSITE & CORRIDOR PLAN

\\ad.msa-ep.com\Portland\PDX_Projects\18\2281 - CDM Smith WWSP WTP\CAD\Figures\18-2281-OR-SITE PLAN_FIG 5-6.dwg FIG-6 1/4/2019 3:10 PM BRF 21.0s (LMS Tech)

FOR LAND USE PERMITTING (EXHIBIT B)

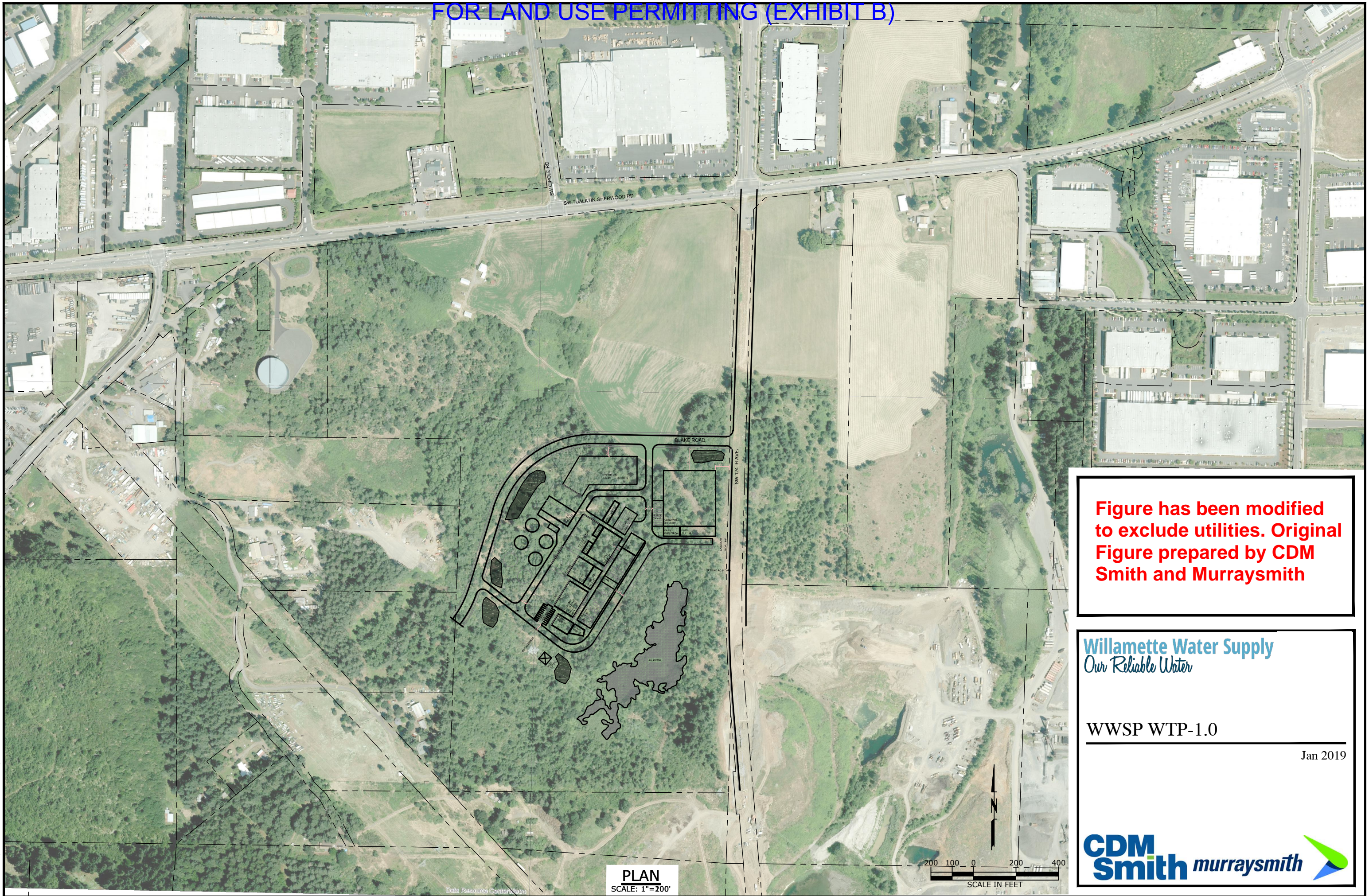


Figure has been modified to exclude utilities. Original Figure prepared by CDM Smith and Murraysmith

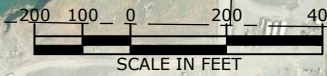
Willamette Water Supply
Our Reliable Water

WWSP WTP-1.0

Jan 2019



PLAN
 SCALE: 1"=200'



FOR LAND USE PERMITTING (EXHIBIT B)

APPENDIX E – PRELIMINARY INTERSECTION SIGHT DISTANCE CERTIFICATION

FOR LAND USE PERMITTING (EXHIBIT B)

PRELIMINARY INTERSECTION SIGHT DISTANCE CERTIFICATION



720 SW Washington St
Suite 500
Portland, OR 97205
dksassociates.com

November 22, 2019

WASHINGTON COUNTY, OREGON
Department of Land Use and Transportation
Planning and Development Services Division
Current Planning Section
155 North First Avenue, Suite 350 - MS13, Hillsboro, Oregon 97124
(503) 846-8761 · FAX: (503) 846-2908
<http://www.co.washington.or.us>

Attn: Matthew Hickey, P.E.

RE: WWSP WTP – **PRELIMINARY** Sight Distance Certification

The proposed access is located 90 feet north of the site's south property line, onto SW 124th Avenue. The speed limit along SW 124th Avenue is 45 M.P.H., requiring 430 feet of sight distance in both directions, in accordance with Code Section 501-8.5.F(4).

As required by Code Sections 501-8.5-F(3)(a) AND 501-8.5 F(3)(b), sight distance from the access to SW 124th Avenue was measured to be 500 feet to the north of the access in one direction and 500 feet to the south of the access in the other direction. These Code Sections respectively require that measurements be based on an eye height of 3.5 feet and an object height of 4.25 feet above the road; and be assumed to be 10 feet from the near edge of pavement to the **front** of a stopped vehicle, (Actual measurement is taken 15 feet from pavement edge).

In conclusion, I hereby certify that the intersection sight distance is available at the proposed access for WWSP WTP. Sight distance conforms to the requirements as set forth in the Washington County Community Development Code.

Brian Copeland, P.E.

{MUST INCLUDE ENGINEER'S STAMP}

FOR LAND USE PERMITTING (EXHIBIT B)

APPENDIX F – HCM 2000 REPORTS ON INTERSECTIONS DURING CONSTRUCTION

FOR LAND USE PERMITTING (EXHIBIT B)

HCM 2010 TWSC

AM Existing + Construction + T-S Park

3: SW 124th Ave & SW Blake St

07/02/2020

Intersection						
Int Delay, s/veh	0.7					
Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations	T			T		T
Traffic Vol, veh/h	0	3	65	393	165	188
Future Vol, veh/h	0	3	65	393	165	188
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	3	71	427	179	204

Major/Minor	Minor2	Major1		Major2	
Conflicting Flow All	850	281	383	0	0
Stage 1	281	-	-	-	-
Stage 2	569	-	-	-	-
Critical Hdwy	6.42	6.22	4.12	-	-
Critical Hdwy Stg 1	5.42	-	-	-	-
Critical Hdwy Stg 2	5.42	-	-	-	-
Follow-up Hdwy	3.518	3.318	2.218	-	-
Pot Cap-1 Maneuver	331	758	1175	-	-
Stage 1	767	-	-	-	-
Stage 2	566	-	-	-	-
Platoon blocked, %				-	-
Mov Cap-1 Maneuver	305	758	1175	-	-
Mov Cap-2 Maneuver	305	-	-	-	-
Stage 1	706	-	-	-	-
Stage 2	566	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	9.8	1.2	0
HCM LOS	A		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	1175	-	758	-	-
HCM Lane V/C Ratio	0.06	-	0.004	-	-
HCM Control Delay (s)	8.3	0	9.8	-	-
HCM Lane LOS	A	A	A	-	-
HCM 95th %tile Q(veh)	0.2	-	0	-	-

FOR LAND USE PERMITTING (EXHIBIT B)

HCM Signalized Intersection Capacity Analysis
6: SW Basalt Creek/SW 124th Ave & SW Tonquin Rd

AM Existing + Construction + T-S Park
07/02/2020



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	18	68	293	0	29	31	128	392	0	5	139	8
Future Volume (vph)	18	68	293	0	29	31	128	392	0	5	139	8
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	5.5	5.5		5.5		4.0	5.5		4.0	5.5	
Lane Util. Factor	1.00	1.00	1.00		1.00		1.00	1.00		1.00	1.00	
Frt	1.00	1.00	0.85		0.92		1.00	1.00		1.00	0.99	
Flt Protected	0.95	1.00	1.00		1.00		0.95	1.00		0.95	1.00	
Satd. Flow (prot)	1770	1863	1583		1719		1770	1863		1770	1847	
Flt Permitted	0.49	1.00	1.00		1.00		0.52	1.00		0.51	1.00	
Satd. Flow (perm)	908	1863	1583		1719		973	1863		958	1847	
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	20	74	318	0	32	34	139	426	0	5	151	9
RTOR Reduction (vph)	0	0	150	0	29	0	0	0	0	0	1	0
Lane Group Flow (vph)	20	74	168	0	37	0	139	426	0	5	159	0
Turn Type	pm+pt	NA	pt+ov	pm+pt	NA		pm+pt	NA		pm+pt	NA	
Protected Phases	7	4	4 5	3	8		5	2		1	6	
Permitted Phases	4			8			2			6		
Actuated Green, G (s)	13.6	13.6	28.4		8.6		29.0	24.2		16.5	15.7	
Effective Green, g (s)	13.6	13.6	28.4		8.6		29.0	24.2		16.5	15.7	
Actuated g/C Ratio	0.25	0.25	0.53		0.16		0.54	0.45		0.31	0.29	
Clearance Time (s)	4.0	5.5			5.5		4.0	5.5		4.0	5.5	
Vehicle Extension (s)	3.0	3.0			3.0		3.0	3.0		3.0	3.0	
Lane Grp Cap (vph)	246	472	838		275		664	841		307	541	
v/s Ratio Prot	0.00	0.04	c0.11		0.02		0.04	c0.23		0.00	0.09	
v/s Ratio Perm	0.02						0.08			0.00		
v/c Ratio	0.08	0.16	0.20		0.14		0.21	0.51		0.02	0.29	
Uniform Delay, d1	15.2	15.5	6.6		19.3		6.3	10.5		12.9	14.7	
Progression Factor	1.00	1.00	1.00		1.00		1.00	1.00		1.00	1.00	
Incremental Delay, d2	0.1	0.2	0.1		0.2		0.2	0.5		0.0	0.3	
Delay (s)	15.4	15.7	6.7		19.5		6.5	10.9		12.9	15.0	
Level of Service	B	B	A		B		A	B		B	B	
Approach Delay (s)		8.8			19.5			9.8			14.9	
Approach LOS		A			B			A			B	

Intersection Summary			
HCM 2000 Control Delay	10.7	HCM 2000 Level of Service	B
HCM 2000 Volume to Capacity ratio	0.48		
Actuated Cycle Length (s)	53.6	Sum of lost time (s)	19.0
Intersection Capacity Utilization	45.0%	ICU Level of Service	A
Analysis Period (min)	15		

c Critical Lane Group

FOR LAND USE PERMITTING (EXHIBIT B)

HCM Signalized Intersection Capacity Analysis
9: SW 124th Ave & Tualatin-Sherwood Rd

AM Existing + Construction + T-S Park

07/02/2020



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	70	910	90	85	557	89	167	172	48	105	178	69
Future Volume (vph)	70	910	90	85	557	89	167	172	48	105	178	69
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	5.5	5.5	4.0	5.5	5.5	4.0	5.5		4.0	5.5	5.5
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00
Frt	1.00	1.00	0.85	1.00	1.00	0.85	1.00	0.97		1.00	1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00
Satd. Flow (prot)	1770	1863	1583	1770	1863	1583	1770	1802		1770	1863	1583
Flt Permitted	0.27	1.00	1.00	0.07	1.00	1.00	0.34	1.00		0.38	1.00	1.00
Satd. Flow (perm)	497	1863	1583	121	1863	1583	625	1802		717	1863	1583
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	76	989	98	92	605	97	182	187	52	114	193	75
RTOR Reduction (vph)	0	0	32	0	0	34	0	8	0	0	0	56
Lane Group Flow (vph)	76	989	66	92	605	63	182	231	0	114	193	19
Turn Type	pm+pt	NA	pt+ov	pm+pt	NA	pt+ov	pm+pt	NA		pm+pt	NA	pt+ov
Protected Phases	5	2	2 3	1	6	6 7	3	8		7	4	4 5
Permitted Phases	2			6			8			4		
Actuated Green, G (s)	68.5	60.8	80.4	69.7	61.4	77.9	35.0	20.9		28.8	17.8	31.0
Effective Green, g (s)	68.5	60.8	80.4	69.7	61.4	77.9	35.0	20.9		28.8	17.8	31.0
Actuated g/C Ratio	0.57	0.51	0.67	0.58	0.51	0.65	0.29	0.17		0.24	0.15	0.26
Clearance Time (s)	4.0	5.5		4.0	5.5		4.0	5.5		4.0	5.5	
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0		3.0	3.0	
Lane Grp Cap (vph)	365	943	1060	184	953	1027	316	313		268	276	408
v/s Ratio Prot	0.01	c0.53	0.04	c0.03	0.32	0.04	c0.07	c0.13		0.04	0.10	0.01
v/s Ratio Perm	0.11			0.25			0.10			0.06		
v/c Ratio	0.21	1.05	0.06	0.50	0.63	0.06	0.58	0.74		0.43	0.70	0.05
Uniform Delay, d1	14.1	29.6	6.8	25.6	21.2	7.7	34.0	46.9		37.2	48.6	33.4
Progression Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00
Incremental Delay, d2	0.3	42.9	0.0	2.1	3.2	0.0	2.5	8.7		1.1	7.5	0.0
Delay (s)	14.4	72.5	6.8	27.7	24.4	7.7	36.6	55.7		38.3	56.1	33.5
Level of Service	B	E	A	C	C	A	D	E		D	E	C
Approach Delay (s)		63.2			22.8			47.4			46.3	
Approach LOS		E			C			D			D	

Intersection Summary

HCM 2000 Control Delay	46.8	HCM 2000 Level of Service	D
HCM 2000 Volume to Capacity ratio	0.90		
Actuated Cycle Length (s)	120.0	Sum of lost time (s)	19.0
Intersection Capacity Utilization	87.1%	ICU Level of Service	E
Analysis Period (min)	15		

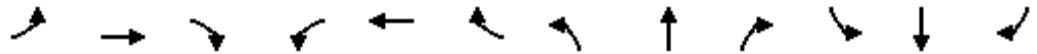
c Critical Lane Group

FOR LAND USE PERMITTING (EXHIBIT B)

HCM Signalized Intersection Capacity Analysis
1: SW 124th Ave & Tualatin-Sherwood Rd

PM Existing + Construction + T-S Park

07/02/2020



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↖	↗	↘	↖	↗	↘	↖	↗		↖	↗	↘
Traffic Volume (vph)	69	806	137	19	744	53	111	254	87	115	334	215
Future Volume (vph)	69	806	137	19	744	53	111	254	87	115	334	215
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	5.5	5.5	4.0	5.5	5.5	4.0	5.5		4.0	5.5	5.5
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00
Frt	1.00	1.00	0.85	1.00	1.00	0.85	1.00	0.96		1.00	1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00
Satd. Flow (prot)	1770	1863	1583	1770	1863	1583	1770	1791		1770	1863	1583
Flt Permitted	0.07	1.00	1.00	0.07	1.00	1.00	0.21	1.00		0.19	1.00	1.00
Satd. Flow (perm)	129	1863	1583	139	1863	1583	390	1791		353	1863	1583
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	75	876	149	21	809	58	121	276	95	125	363	234
RTOR Reduction (vph)	0	0	56	0	0	24	0	10	0	0	0	117
Lane Group Flow (vph)	75	876	93	21	809	34	121	361	0	125	363	117
Turn Type	pm+pt	NA	pt+ov	pm+pt	NA	pt+ov	pm+pt	NA		pm+pt	NA	pt+ov
Protected Phases	5	2	2 3	1	6	6 7	3	8		7	4	4 5
Permitted Phases	2			6			8			4		
Actuated Green, G (s)	65.5	58.8	75.3	56.4	53.7	70.4	39.3	28.3		39.7	28.5	41.8
Effective Green, g (s)	65.5	58.8	75.3	56.4	53.7	70.4	39.3	28.3		39.7	28.5	41.8
Actuated g/C Ratio	0.55	0.49	0.63	0.47	0.45	0.59	0.33	0.24		0.33	0.24	0.35
Clearance Time (s)	4.0	5.5		4.0	5.5		4.0	5.5		4.0	5.5	
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0		3.0	3.0	
Lane Grp Cap (vph)	177	912	993	102	833	928	254	422		249	442	551
v/s Ratio Prot	c0.03	c0.47	0.06	0.00	0.43	0.02	0.04	c0.20		c0.05	0.19	0.07
v/s Ratio Perm	0.20			0.09			0.11			0.12		
v/c Ratio	0.42	0.96	0.09	0.21	0.97	0.04	0.48	0.86		0.50	0.82	0.21
Uniform Delay, d1	25.1	29.5	8.8	26.6	32.4	10.5	30.6	43.9		30.5	43.3	27.5
Progression Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00
Incremental Delay, d2	1.6	21.6	0.0	1.0	24.9	0.0	1.4	15.5		1.6	11.6	0.2
Delay (s)	26.7	51.1	8.9	27.6	57.3	10.5	32.0	59.4		32.1	55.0	27.7
Level of Service	C	D	A	C	E	B	C	E		C	D	C
Approach Delay (s)		43.7			53.6			52.7			42.2	
Approach LOS		D			D			D			D	

Intersection Summary

HCM 2000 Control Delay	47.5	HCM 2000 Level of Service	D
HCM 2000 Volume to Capacity ratio	0.87		
Actuated Cycle Length (s)	120.0	Sum of lost time (s)	19.0
Intersection Capacity Utilization	87.5%	ICU Level of Service	E
Analysis Period (min)	15		

c Critical Lane Group

FOR LAND USE PERMITTING (EXHIBIT B)

HCM Signalized Intersection Capacity Analysis
2: SW Basalt Creek/SW 124th Ave & SW Tonquin Rd

PM Existing + Construction + T-S Park
07/02/2020



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	10	50	199	1	132	42	313	267	2	35	503	32
Future Volume (vph)	10	50	199	1	132	42	313	267	2	35	503	32
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	5.5	5.5	4.0	5.5		4.0	5.5		4.0	5.5	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00		1.00	1.00		1.00	1.00	
Frt	1.00	1.00	0.85	1.00	0.96		1.00	1.00		1.00	0.99	
Flt Protected	0.95	1.00	1.00	0.95	1.00		0.95	1.00		0.95	1.00	
Satd. Flow (prot)	1770	1863	1583	1770	1795		1770	1861		1770	1846	
Flt Permitted	0.45	1.00	1.00	0.72	1.00		0.21	1.00		0.58	1.00	
Satd. Flow (perm)	835	1863	1583	1345	1795		385	1861		1083	1846	
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	11	54	216	1	143	46	340	290	2	38	547	35
RTOR Reduction (vph)	0	0	126	0	9	0	0	0	0	0	1	0
Lane Group Flow (vph)	11	54	90	1	180	0	340	292	0	38	581	0
Turn Type	pm+pt	NA	pt+ov	pm+pt	NA		pm+pt	NA		pm+pt	NA	
Protected Phases	7	4	4 5	3	8		5	2		1	6	
Permitted Phases	4			8			2			6		
Actuated Green, G (s)	15.8	14.6	40.2	15.4	14.4		66.1	58.3		45.8	42.0	
Effective Green, g (s)	15.8	14.6	40.2	15.4	14.4		66.1	58.3		45.8	42.0	
Actuated g/C Ratio	0.16	0.15	0.42	0.16	0.15		0.68	0.60		0.47	0.43	
Clearance Time (s)	4.0	5.5		4.0	5.5		4.0	5.5		4.0	5.5	
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0		3.0	3.0	
Lane Grp Cap (vph)	148	281	658	218	267		551	1121		539	801	
v/s Ratio Prot	c0.00	0.03	0.06	0.00	c0.10		c0.13	0.16		0.00	c0.31	
v/s Ratio Perm	0.01			0.00			0.29			0.03		
v/c Ratio	0.07	0.19	0.14	0.00	0.67		0.62	0.26		0.07	0.73	
Uniform Delay, d1	34.2	35.9	17.5	34.2	38.9		11.3	9.0		13.7	22.6	
Progression Factor	1.00	1.00	1.00	1.00	1.00		1.00	1.00		1.00	1.00	
Incremental Delay, d2	0.2	0.3	0.1	0.0	6.5		2.1	0.1		0.1	3.3	
Delay (s)	34.4	36.2	17.6	34.2	45.5		13.4	9.2		13.7	25.9	
Level of Service	C	D	B	C	D		B	A		B	C	
Approach Delay (s)		21.8			45.4			11.4			25.1	
Approach LOS		C			D			B			C	

Intersection Summary			
HCM 2000 Control Delay	21.8	HCM 2000 Level of Service	C
HCM 2000 Volume to Capacity ratio	0.68		
Actuated Cycle Length (s)	96.7	Sum of lost time (s)	19.0
Intersection Capacity Utilization	67.8%	ICU Level of Service	C
Analysis Period (min)	15		

c Critical Lane Group

FOR LAND USE PERMITTING (EXHIBIT B)

HCM 2010 TWSC

PM Existing + Construction + T-S Park

3: SW 124th Ave & Blake St

07/02/2020

Intersection						
Int Delay, s/veh	10					
Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations	T			T		
Traffic Vol, veh/h	188	62	0	324	490	0
Future Vol, veh/h	188	62	0	324	490	0
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	204	67	0	352	533	0

Major/Minor	Minor2	Major1	Major2			
Conflicting Flow All	885	533	533	0	-	0
Stage 1	533	-	-	-	-	-
Stage 2	352	-	-	-	-	-
Critical Hdwy	6.42	6.22	4.12	-	-	-
Critical Hdwy Stg 1	5.42	-	-	-	-	-
Critical Hdwy Stg 2	5.42	-	-	-	-	-
Follow-up Hdwy	3.518	3.318	2.218	-	-	-
Pot Cap-1 Maneuver	315	547	1035	-	-	-
Stage 1	588	-	-	-	-	-
Stage 2	712	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	315	547	1035	-	-	-
Mov Cap-2 Maneuver	315	-	-	-	-	-
Stage 1	588	-	-	-	-	-
Stage 2	712	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	42.6	0	0
HCM LOS	E		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	1035	-	352	-	-
HCM Lane V/C Ratio	-	-	0.772	-	-
HCM Control Delay (s)	0	-	42.6	-	-
HCM Lane LOS	A	-	E	-	-
HCM 95th %tile Q(veh)	0	-	6.3	-	-

FOR LAND USE PERMITTING (EXHIBIT B)

APPENDIX G – MUTCD SIGNAL WARRANT ANALYSIS TOOLS

FOR LAND USE PERMITTING (EXHIBIT B)

WARRANT 1: EIGHT-HOUR VEHICULAR VOLUME

Intersection SW 124th Av and SW Blake St did not meet Warrant 1. Traffic on the minor street is expected to be too low to meet Warrant 1.

Table 4C-1. Warrant 1, Eight-Hour Vehicular Volume

Condition A—Minimum Vehicular Volume									
Number of lanes for moving traffic on each approach		Vehicles per hour on major street (total of both approaches)				Vehicles per hour on higher-volume minor-street approach (one direction only)			
Major Street	Minor Street	100% ^a	80% ^b	70% ^c	56% ^d	100% ^a	80% ^b	70% ^c	56% ^d
1	1	500	400	350	280	150	120	105	84
2 or more	1	600	480	420	336	150	120	105	84
2 or more	2 or more	600	480	420	336	200	160	140	112
1	2 or more	500	400	350	280	200	160	140	112

Condition B—Interruption of Continuous Traffic									
Number of lanes for moving traffic on each approach		Vehicles per hour on major street (total of both approaches)				Vehicles per hour on higher-volume minor-street approach (one direction only)			
Major Street	Minor Street	100% ^a	80% ^b	70% ^c	56% ^d	100% ^a	80% ^b	70% ^c	56% ^d
1	1	750	600	525	420	75	60	53	42
2 or more	1	900	720	630	504	75	60	53	42
2 or more	2 or more	900	720	630	504	100	80	70	56
1	2 or more	750	600	525	420	100	80	70	56

^a Basic minimum hourly volume

^b Used for combination of Conditions A and B after adequate trial of other remedial measures

^c May be used when the major-street speed exceeds 40 mph or in an isolated community with a population of less than 10,000

^d May be used for combination of Conditions A and B after adequate trial of other remedial measures when the major-street speed exceeds 40 mph or in an isolated community with a population of less than 10,000

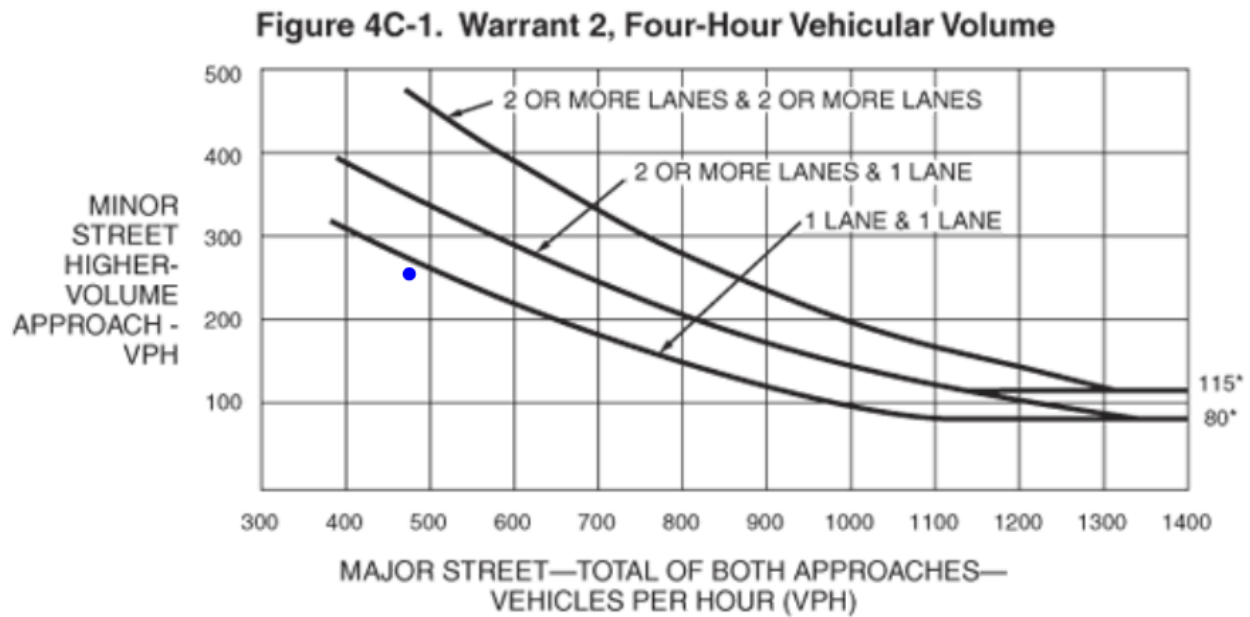
Warrant 1 Worksheet

	Eight Highest Hours (1 st – 8 th)							
	1	2	3	4	5	6	7	8
Time Period (Hour)	16:00-17:00	15:00-16:00	17:00-18:00	14:00-15:00	7:00-8:00	8:00 – 9:00	6:00-7:00	18:00-19:00
Major Street (Both Approaches)	816	704	675	549	530	488	479	421
Minor Street (Highest Approach)	0	0	250	0	0	0	256	0

FOR LAND USE PERMITTING (EXHIBIT B)

WARRANT 2: FOUR-HOUR VEHICULAR VOLUME

Intersection SW 124th Av and SW Blake St did not meet Warrant 2. Volume is expected to be too low. The image is marked with the highest volume at the intersection.

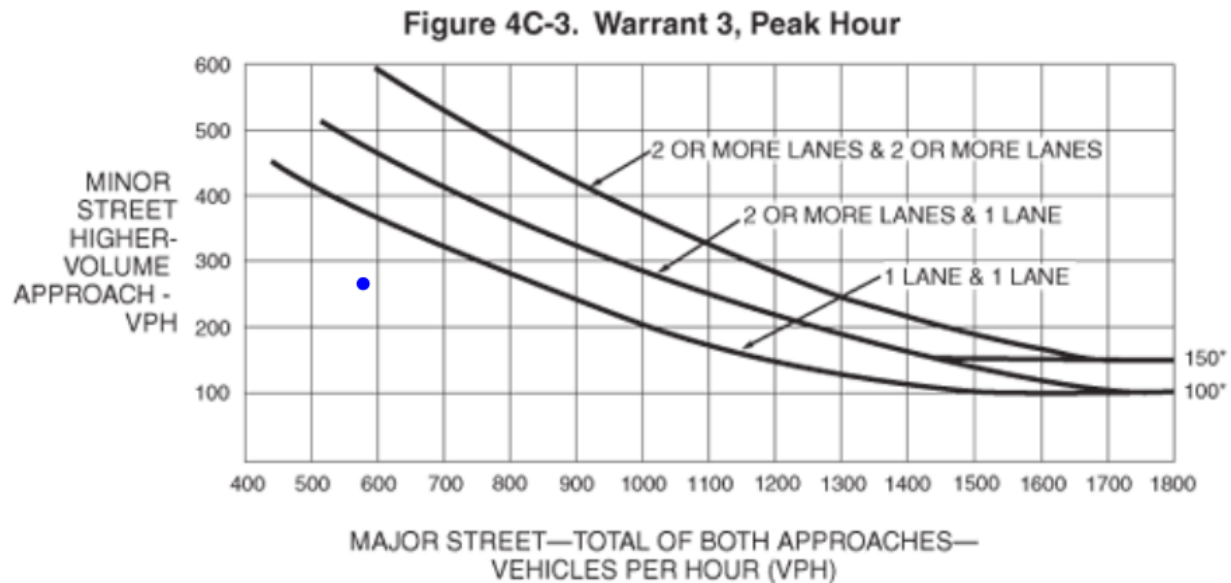


*Note: 115 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 80 vph applies as the lower threshold volume for a minor-street approach with one lane.

FOR LAND USE PERMITTING (EXHIBIT B)

WARRANT 3: PEAK-HOUR

Intersection SW 124th Av and SW Blake St did not meet Warrant 3. Traffic on the minor street is expected to be too low to meet Warrant 3.



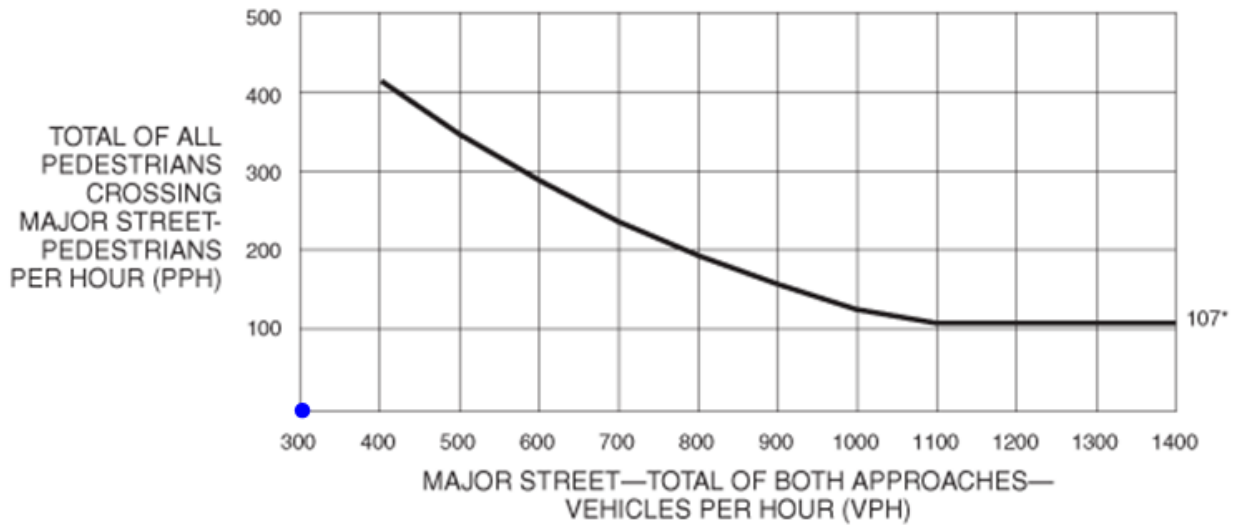
*Note: 150 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 100 vph applies as the lower threshold volume for a minor-street approach with one lane.

FOR LAND USE PERMITTING (EXHIBIT B)

WARRANT 4: PEDESTRIAN VOLUME

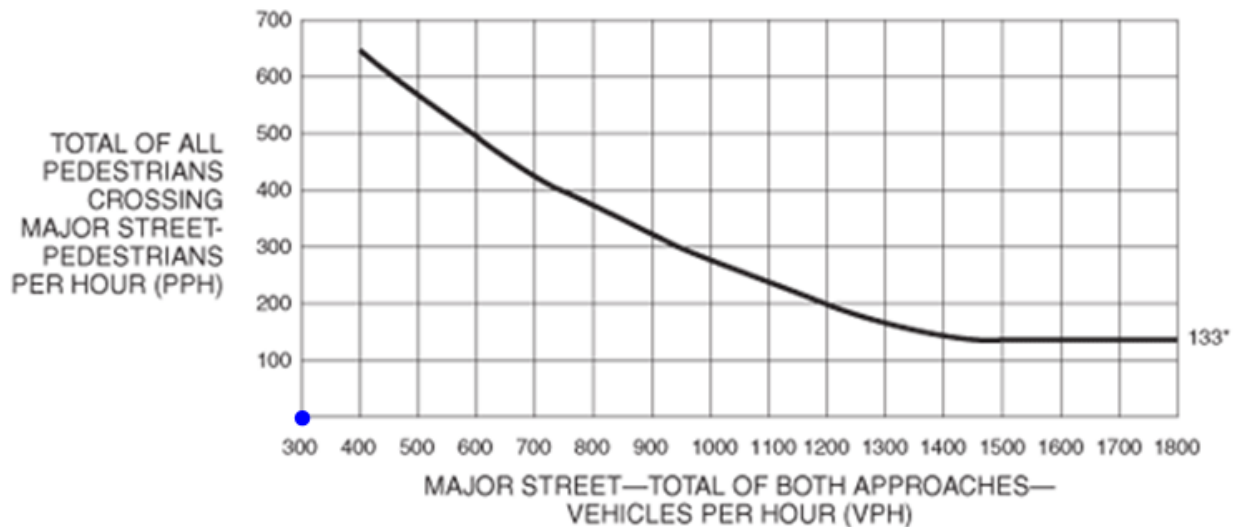
Intersection SW 124th Av and SW Blake St did not meet Warrant 4. Pedestrian volume is expected to be too low to meet Warrant 4.

Figure 4C-5. Warrant 4, Pedestrian Four-Hour Volume



*Note: 107 pph applies as the lower threshold volume.

Figure 4C-7. Warrant 4, Pedestrian Peak Hour



*Note: 133 pph applies as the lower threshold volume.

FOR LAND USE PERMITTING (EXHIBIT B)

APPENDIX H – PERMANENT TRAFFIC ESTIMATES

FOR LAND USE PERMITTING (EXHIBIT B)

Process Code	Description	Vehicle type	Max Frequency (1 trip every....)
MDS	Mechanically dewatered solids	Multi-ton trailer hitch (semi)	24 hours
BFP	Ballasted flocculation polymer (dry, supersacks)	Flatbed truck	2 weeks
CDG	Carbon dioxide gas (cryogenic)	7,000-gal refrigerated tanker (extended)	2 weeks
CSC	Caustic soda chemical	5,000-gal tanker truck	2 weeks
LAC	Liquid alum chemical	5,000-gal tanker truck	2 weeks
LOX	Liquid oxygen (cryogenic)	7,000-gal refrigerated tanker (extended)	2 weeks
SHC	Sodium hypochlorite chemical	5,000-gal tanker truck	2 weeks
RMP	Residuals management polymer (emulsion, totes)	Flatbed truck	4 weeks
CTC	Calcium thisulfate chemical (primary)	5,000-gal tanker truck	3 months
CTC	Calcium thisulfate chemical (back-up, emulsion, totes)	Flatbed truck	3 months
FAP	Filter aid polymer (emulsion, totes)	Flatbed truck	3 months
SND	Microsand (dry, supersacks)	Flatbed truck	6 months
DFO	Diesel Fuel Oil	6,000-gal tanker truck (oversized wheel span)	12 months