

Exhibit E: Wetland Assessment and Delineation



Department of State Lands

775 Summer Street NE, Suite 100 Salem, OR 97301-1279 (503) 986-5200 FAX (503) 378-4844 www.oregon.gov/dsl

July 14, 2021

Oregon Street Business Park, LLC Attn: Bruce Polley PO Box 1489 Sherwood, OR 97140 **State Land Board**

Kate Brown Governor

Re: WD # 2021-0196 **Approved**

Wetland Delineation Report for The Oregon Street Business Park Washington County; T2S R1W S28C TLs 500 and 501 (Portions)

APP # 24010, RGL # 1439

City of Sherwood Local Wetlands Inventory Wetland R-5

Shemia Fagan Secretary of State

> Tobias Read State Treasurer

Dear Mr. Polley:

The Department of State Lands has reviewed the wetland delineation report prepared by AKS Engineering and Forestry for the site referenced above. Please note that the study areas include only a portion of the tax lots described above (see the attached maps). Based upon the information presented in the report, and additional information submitted upon request, we concur with the wetland and waterway boundaries as mapped in revised Figure 5 and 5A of the report. Please replace all copies of the preliminary wetland maps with these final Department-approved maps.

Within the study areas, 2 wetlands (Wetland A and B, totaling approximately 0.59 acres) were identified. The wetlands are subject to the permit requirements of the state Removal-Fill Law. Normally, a state permit is required for cumulative fill or annual excavation of 50 cubic yards or more in wetlands or below the ordinary high-water line (OHWL) of the waterway (or the 2-year recurrence interval flood elevation if OHWL cannot be determined). However, Wetland B is within the active floodplain of Rock Creek, an essential salmonid stream and its southern portion is part of a compensatory wetland mitigation site (RGL # 1439); therefore, fill or removal of any amount of material within this wetland may require a state permit.

This concurrence is for purposes of the state Removal-Fill Law only. We recommend that you attach a copy of this concurrence letter to any subsequent state permit application to speed application review. Federal or local permit requirements may apply as well. The U.S. Army Corps of Engineers will determine jurisdiction under the Clean Water Act, which may require submittal of a complete Wetland Delineation Report.

Please be advised that state law establishes a preference for avoidance of wetland impacts. Since measures to avoid and minimize wetland impacts may include reconfiguring parcel layout and size or development design, we recommend that you

work with Department staff on appropriate site design before completing the city or county land use approval process.

This concurrence is based on information provided to the agency. The jurisdictional determination is valid for five years from the date of this letter unless new information necessitates a revision. Circumstances under which the Department may change a determination are found in OAR 141-090-0045 (available on our web site or upon request). In addition, laws enacted by the legislature and/or rules adopted by the Department may result in a change in jurisdiction; individuals and applicants are subject to the regulations that are in effect at the time of the removal-fill activity or complete permit application. The applicant, landowner, or agent may submit a request for reconsideration of this determination in writing within six months of the date of this letter.

Thank you for having the site evaluated. If you have any questions, please contact the Jurisdiction Coordinator for Washington County, Chris Stevenson, PWS, at (503) 986-5246.

Sincerely,

Peter Ryan, SPWS

Et Ryan

Aquatic Resource Specialist

Enclosures

ec: Stacey Reed, PWS, AKS Engineering and Forestry

City of Sherwood Planning Department (Maps enclosed for updating LWI)

Danielle Erb, Corps of Engineers

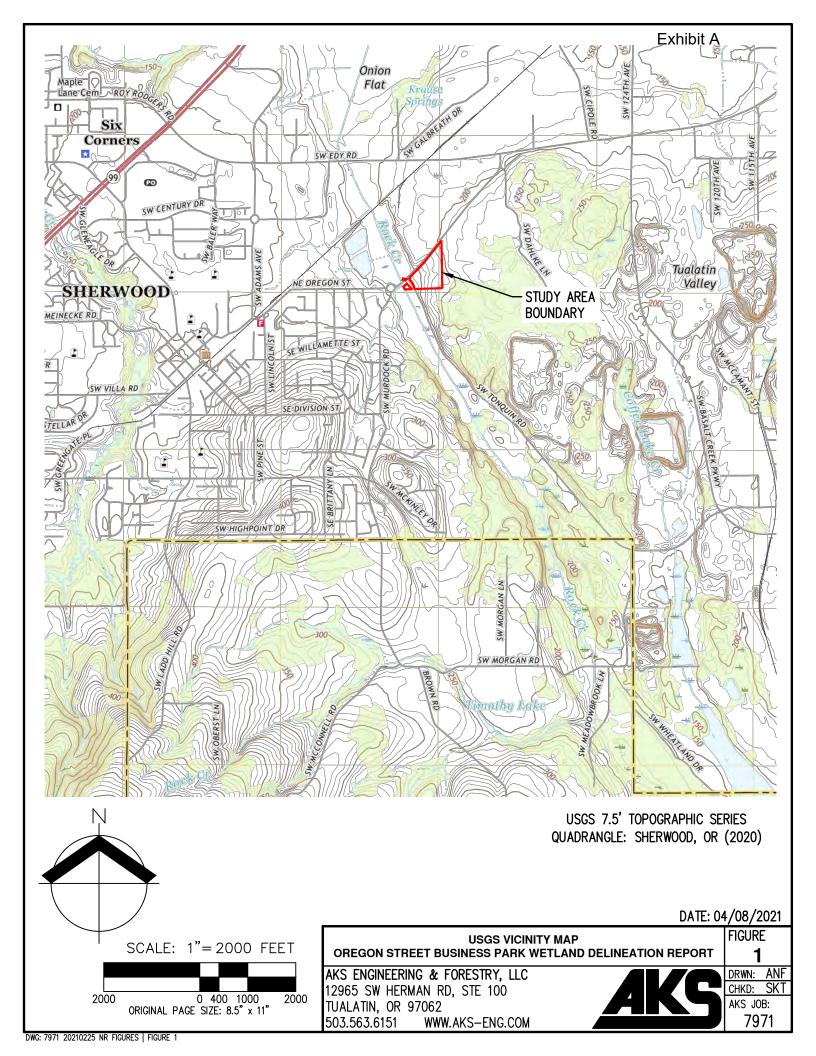
Grey Wolf, DSL

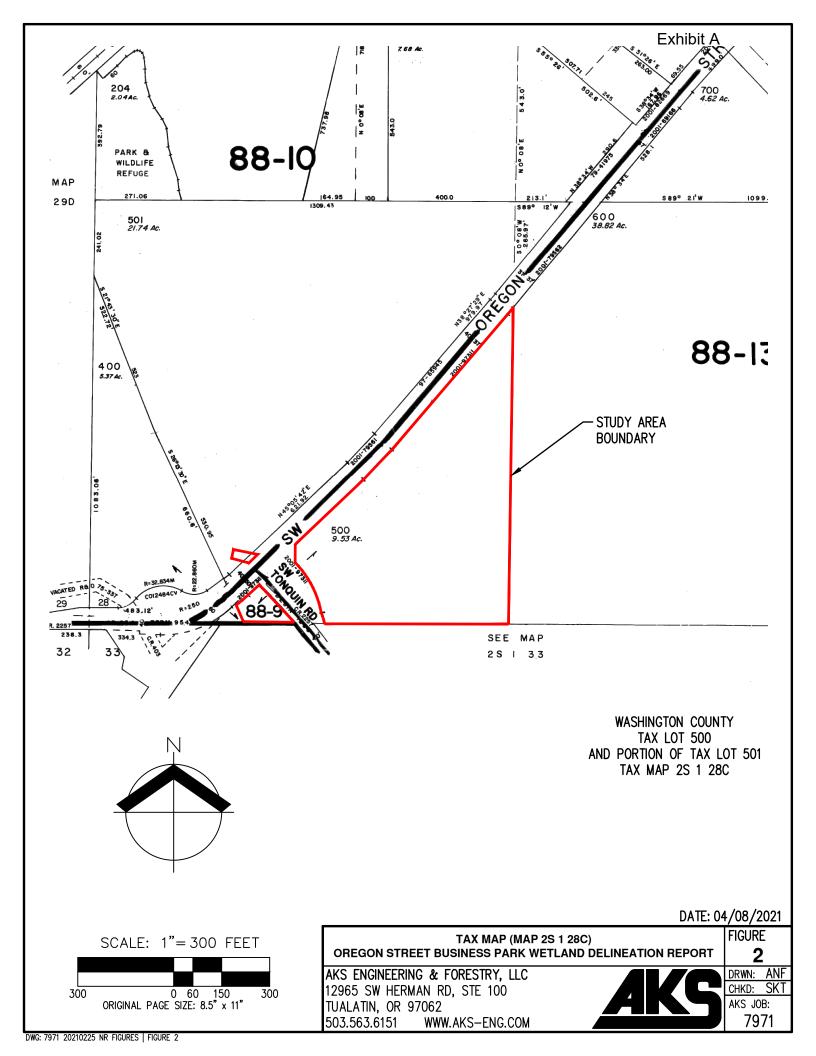
WETLAND DELINEATION / DETERMINATION REPORT COVER FORM

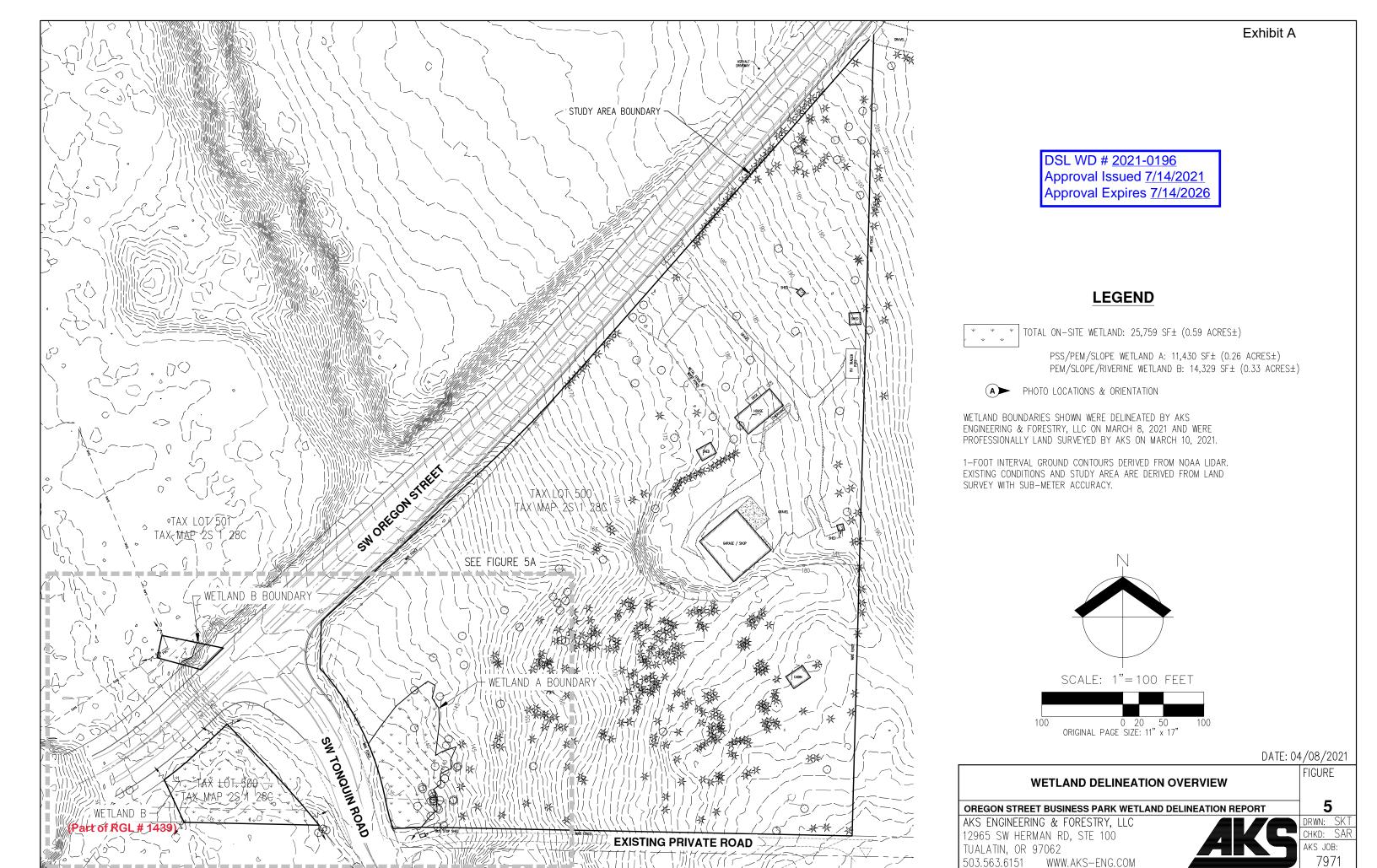
Exhibit A Fully completed and signed report cover forms and applicable fees are required before report review timelines are initiated by the Department of State Lands. Make checks payable to the Oregon Department of State Lands. To pay fees by credit card, go online at: https://apps.oregon.gov/DSL/EPS/program?key=4.

Attach this completed and signed form to the front of an unbound report or include a hard copy with a digital version (single PDF file of the report cover form and report, minimum 300 dpi resolution) and submit to: Oregon Department of State Lands, 775 Summer Street NE, Suite 100, Salem, OR 97301-1279. A single PDF of the completed cover from and report may be e-mailed to: Wetland Delineation@dsl.state.or.us. For submittal of PDF files larger than 10 MB, e-mail DSL instructions on how to access the file from your ftp or other file sharing website.

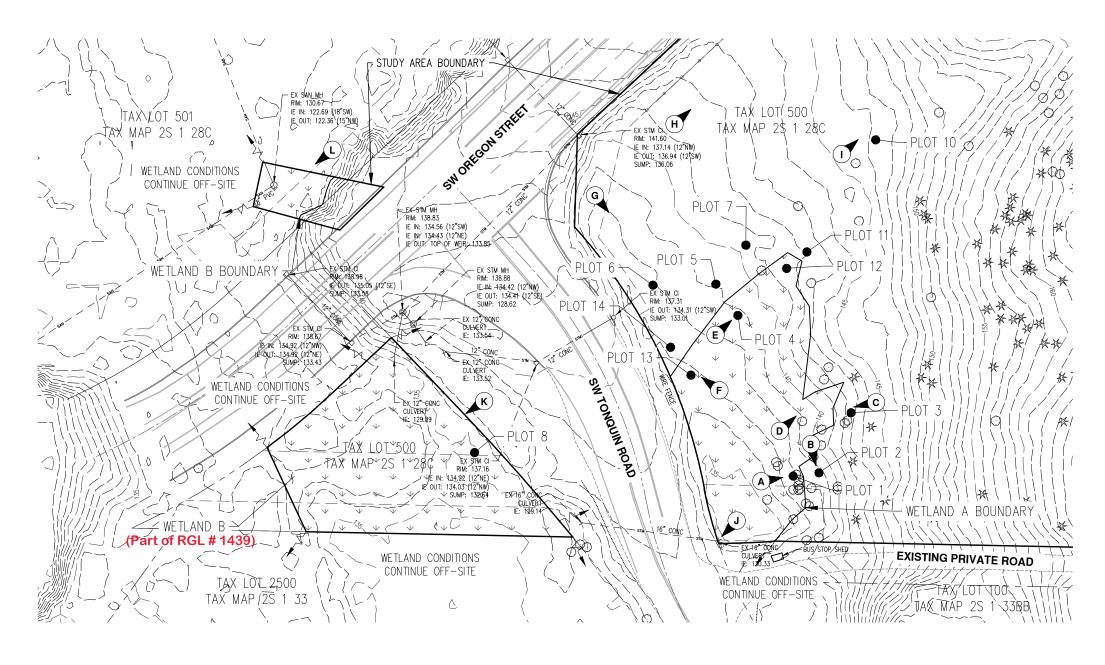
me non your up or other me analing website.					
Contact and Authorization Information					
	Business phone #				
Oregon Street Business Park, LLC	Mobile phone # (optional)				
ATTN: Bruce Polley P.O. Box 1489	E-mail: bruce@airteknw.com				
Sherwood, OR 97140					
☐ Authorized Legal Agent, Name and Address (if differen	it): Business phone #				
Transcrized Legar Agent, Name and Madress (if differen	Mobile phone # (optional)				
	E-mail:				
I either own the property described below or I have legal author property for the purpose of confirming the information in the rep	ity to allow access to the property. I authorize the Department to access the				
7 - 01/-12					
Typed/Printed Name: BROCE MOTTEY	Signature: Jhan 1/44/				
Date: Special instructions regarding	site access:				
Project and Site Information	1				
Project Name: Oregon Street Business Park	Latitude: 45.360684 Longitude: -122.823151				
Proposed Use:	decimal degree - centroid of site or start & end points of linear project Tax Map #2S 1 28C				
Employment Industrial	Tax Lot(s) 500 and Portion of 501				
and the same of th	Tax Map #				
Decided Charact Address (or other descriptive leastion).	→ (Prof.) (2.2% 5).				
Project Street Address (or other descriptive location):	Tax Lot(s)				
21720 SW Oregon Street	Township 2S Range 1W Section 28 QQ SW				
City Channel Washington	Use separate sheet for additional tax and location information				
City: Sherwood County: Washington	Waterway: N/A River Mile: N/A				
Wetland Delineation Information	Di #/500\ 500 0454				
Wetland Consultant Name, Firm and Address:	Phone # (503) 563-6151				
Stacey Reed, PWS AKS Engineering & Forestry LLC	Mobile phone # (if applicable)				
12965 SW Herman Rd, Ste 100	E-mail: staceyr@aks-eng.com				
Tualatin, OR 97062					
The information and conclusions on this form and in the attache	d report are true and correct to the best of my knowledge.				
Consultant Signature: Stacey Reed	Date: 04/12/2021				
Primary Contact for report review and site access is	Consultant Applicant/Owner Authorized Agent				
Wetland/Waters Present? ☐ Yes ☐ No Study A	area size: 9.27 acres Total Wetland Acreage: 0.5900				
Check Applicable Boxes Below					
Check Applicable Boxes Below R-F permit application submitted					
	 ✓ Fee payment submitted \$ 475 ☐ Fee (\$100) for resubmittal of rejected report 				
R-F permit application submitted	☐ Fee (\$100) for resubmittal of rejected report				
☐ R-F permit application submitted ☐ Mitigation bank site ☐ Industrial Land Certification Program Site					
☐ R-F permit application submitted ☐ Mitigation bank site	☐ Fee (\$100) for resubmittal of rejected report ☐ Request for Reissuance. See eligibility criteria. (no fee)				
☐ R-F permit application submitted ☐ Mitigation bank site ☐ Industrial Land Certification Program Site ☐ Wetland restoration/enhancement project (not mitigation) ☐ Previous delineation/application on parcel	☐ Fee (\$100) for resubmittal of rejected report ☐ Request for Reissuance. See eligibility criteria. (no fee) ☐ DSL # Expiration date ☐ LWI shows wetlands or waters on parcel				
☐ R-F permit application submitted ☐ Mitigation bank site ☐ Industrial Land Certification Program Site ☐ Wetland restoration/enhancement project (not mitigation)	☐ Fee (\$100) for resubmittal of rejected report ☐ Request for Reissuance. See eligibility criteria. (no fee) DSL # Expiration date				
☐ R-F permit application submitted ☐ Mitigation bank site ☐ Industrial Land Certification Program Site ☐ Wetland restoration/enhancement project (not mitigation) ☐ Previous delineation/application on parcel If known, previous DSL # 2000-0488	☐ Fee (\$100) for resubmittal of rejected report ☐ Request for Reissuance. See eligibility criteria. (no fee) ☐ DSL # Expiration date ☐ LWI shows wetlands or waters on parcel				
☐ R-F permit application submitted ☐ Mitigation bank site ☐ Industrial Land Certification Program Site ☐ Wetland restoration/enhancement project (not mitigation) ☐ Previous delineation/application on parcel If known, previous DSL # 2000-0488	Fee (\$100) for resubmittal of rejected report Request for Reissuance. See eligibility criteria. (no fee) DSL # Expiration date LWI shows wetlands or waters on parcel Wetland ID code				



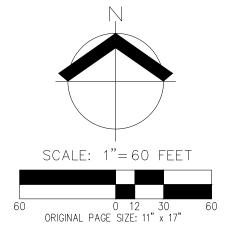




DWG: 7971 WDR EXCOND | FIGUR



LEGEND



TOTAL ON-SITE WETLAND: 25,759 SF± (0.59 ACRES±)

PSS/PEM/SLOPE WETLAND A: 11,430 SF± (0.26 ACRES±) PEM/SLOPE/RIVERINE WETLAND B: 14,329 SF± (0.33 ACRES±)

(A) PHOTO LOCATIONS & ORIENTATION

WETLAND BOUNDARIES SHOWN WERE DELINEATED BY AKS ENGINEERING & FORESTRY, LLC ON MARCH 8, 2021 AND WERE PROFESSIONALLY LAND SURVEYED BY AKS ON MARCH 10, 2021

1-FOOT INTERVAL GROUND CONTOURS DERIVED FROM NOAA LIDAR. EXISTING CONDITIONS AND STUDY AREA ARE DERIVED FROM LAND SURVEY WITH SUB-METER ACCURACY.

DSL WD # 2021-0196 Approval Issued 7/14/2021 Approval Expires 7/14/2026

DATE: 04/08/2021

FIGURE

WETLAND DELINEATION

OREGON STREET BUSINESS PARK WETLAND DELINEATION REPORT

AKS ENGINEERING & FORESTRY, LLC 12965 SW HERMAN RD, STE 100 TUALATIN, OR 97062 503.563.6151 WWW.AKS-ENG.COM

5A <u>DRWN:</u>SK1 CHKD: SAR AKS JOB: 7971

Oregon Street Business Park Sherwood, Oregon Wetland Delineation Report

Date: April 2021

Prepared for: Oregon Street Business Park, LLC

P.O. Box 1489

Sherwood, Oregon 97140

Prepared by: AKS Engineering & Forestry, LLC

Sonya Templeton, Natural Resource Specialist Stacey Reed, PWS, Senior Wetland Scientist 503-563-6151 | staceyr@aks-eng.com

Study Area: SW Oregon Street and SW Tonquin Road

Washington County Assessor's Map 2S 1 28C

Tax Lot 500 and Portion of Tax Lot 501

Sherwood, Oregon

AKS Job Number: 7971



12965 SW Herman Road, Suite 100 Tualatin, OR 97062 (503) 563-6151

Table of Contents

Introduction	1
A. Landscape Setting and Land Use	1
B. Site Alterations	2
C. Precipitation Data and Analysis	2
D. Methods	3
F. Description of All Wetlands and Other Non-Wetland Waters	3
Wetlands	3
Wetland A	3
Wetland B	4
Upland	4
G. Mapping Method	5
H. Deviation from LWI or NWI	5
I. Additional Information	5
J. Summary of Results and Conclusions	5
K. Required Disclaimer	6
L. List of Preparers	6
Literature Cited and Referenced	7
Tables	
Table 1: Precipitation Data Prior to the March 8, 2021 Site Visit	
Table 2: Summary of Study Results and Conclusions	6

Appendices

Appendix A: Maps

Figure 1: Vicinity Map

Figure 2: County Assessor's Map

Figure 3: NRCS Soils Map

Figure 4: Local Wetland Inventory (LWI) Map Figures 5 and 5A: Wetland Delineation Map

Appendix B: Historical Aerial Photographs

Appendix C: Precipitation Data

Appendix D: Wetland Determination Data Forms

Appendix E: Photo Location Map and Site Photographs

Introduction

This report was prepared by AKS Engineering Forestry, LLC (AKS) in accordance with Oregon Administrative Rules (OAR) 141-090-0030 and OAR-141-090-0035 (1-17) and describes the results of a wetland delineation conducted on Tax Lot 500 and a portion of Tax Lot 501 of Washington County Assessor's Map 2S 1 28C, which is located at the intersection of SW Oregon Street and SW Tonquin Road in Sherwood, Washington County, Oregon (Figures 1 and 2, Appendix A). The study area for the wetland delineation was approximately 9.27 acres and is shown in Figures 1 to 5 in Appendix A.

The on-site boundaries of one palustrine scrub-shrub/emergent wetland (referred to as Wetland A) and portions of a large palustrine emergent wetland associated with the floodplain of Rock Creek (referred to as Wetland B) were delineated by AKS in the study area. Both wetlands are likely to be determined jurisdictional to the Oregon Department of State Lands (DSL) and Wetland B is likely to be determined jurisdictional to the US Army Corps of Engineers (USACE) due to its adjacency to Rock Creek, a natural perennial stream.

David Evans & Associates, Inc. (DEA) conducted a wetland delineation that covered the study area in 2000 for Washington County's Oregon Street/Murdock Road to Tualatin/Sherwood Road Widening Project. The delineation determined palustrine emergent wetland was present in the vicinity of Wetland A mapped under our study. The DEA delineation was concurred by DSL under WD2000-0488. Washington County received a removal-fill permit from DSL (DSL permit #RF-24010) to impact a portion of Wetland A for the widening and raising of SW Oregon Street and intersection improvements with SW Tonquin Road. Permanent wetland impacts were mitigated through on-site wetland enhancement, which included enhancement within Wetland B delineated under this study.

A. Landscape Setting and Land Use

The study area east of SW Tonquin Road and south of SW Oregon Street contains three buildings and gravel parking located in the northern portion of the site, with remaining portions consisting of a forested area and an open field. The forested area is dominated by Douglas-fir (*Pseudotsuga menziesii*, FACU), bigleaf maple (*Acer macrophyllum*, FACU), English holly (*Ilex aquifolium*, FACU), oso-berry (*Oemleria cerasiformis*, FACU), Himalayan blackberry (*Rubus armeniacus*, FAC), common snowberry (*Symphoricarpos albus*, FACU), pineland sword fern (*Polystichum munitum*, FACU), and California dewberry (*Rubus ursinus*, FACU). The open field is dominated by mowed bentgrass (*Agrostis* species, FAC), bluegrass (*Poa* species, FAC), common dandelion (*Taraxacum officinale*, FACU), white clover (*Trifolium repens*, FAC), and English plantain (*Plantago lanceolata*, FACU).

The study area southwest of SW Tonquin Road is undeveloped and is entirely wetland (referred to as Wetland B) dominated by reed canary grass (*Phalaris arundinacea*, FACW). Wetland B extends north of SW Oregon Street, also dominated by reed canary grass, with scattered thickets of Douglas' meadowsweet (*Spiraea douglasii*, FACW), and Oregon ash (*Fraxinus latifolia*, FACW).

Topography within the study area east of SW Tonquin Road slopes to the west towards Wetland A. Elevation varies at 180 feet in the eastern portion of the site with the lowest elevation at 135 feet within Wetland A in the western portion of the site. The remaining study areas are relatively flat (less than 3 percent overall slope) and slopes subtly towards Rock Creek.

The land use to the north and east generally consists of industrial land uses with high-density residential to the west. The study area is currently zoned as Employment Industrial within the City of Sherwood's Tonquin Employment Area.

The following soil units are mapped within the study area, according to the Natural Resources Conservation Service (NRCS) Washington County Area Soil Survey Map (Figure 3, Appendix A):

- Briedwell stony silt loam (Unit 5B), 0 to 7 percent slopes; Non-hydric
- Cove silty clay loam (Unit 13); Hydric
- Laurelwood silt loam (Unit 28B), 3 to 7 percent slopes; Non-hydric

B. Site Alterations

Historical aerial photos, dating from 1994 to 2019, were obtained from Google Earth and are included in Appendix B. The portion of the study area east of SW Tonquin Road was mostly forested from as early as 1994, until it was logged sometime between 1994 and 2000.

Sometime between 2001 and 2002, grading was done for the Oregon Street/Tonquin Road intersection improvements, which were completed in 2003. The road improvement project resulted in a partial fill of the wetlands delineated under this study.

Sometime in 2004, enhancement of Wetland B occurred which appears to have included excavation of a depression. The excavation appears to have been associated with the wetland mitigation enhancement under DSL permit #RF-24010.

The study area appears to be relatively unchanged since the 2014 aerial image and no other site alterations appear to have taken place that would have direct or indirect hydrological impacts to wetlands delineated on the site.

C. Precipitation Data and Analysis

The closest WETS (Climate Analysis for Wetlands Tables) station to the project site is the Hillsboro station. According to the Hillsboro WETS data, the growing season is between March 15 and November 10. The site visit was conducted on March 8, 2021; however, evidence of the onset of the growing season was observed, including woody bud burst and the emergence of herbaceous vegetation from the ground, confirming the site visit was conducted during the growing season. Raw precipitation data is included in Appendix C.

According to the National Weather Service (NWS) Hillsboro station, 0.01 inches of rain were received on the day of the March 8, 2021 site visit with 1.02 inches recorded in the two weeks prior. Observed water year-to-date (Starting October 1, 2020) was 24 inches, which was 3.74 inches below normal. As depicted by Table 1, normal rainfall levels were observed during the three months prior to the March 8, 2021 site visit.

Table 1: Precipitation Data Prior to the March 8, 2021 Site Visit

Prior Months	Observed Precipitation	Average WETS	30% Chance Will Have		Condition Dry, Wet,	Condition Value	Month Weight	Multiply Previous
	(Inches)	Precipitation (Inches)	Less Than	More Than	Normal	(1=dry, 2=normal, 3=wet)		Two Columns
February 2021	3.91	3.63	2.25	4.39	Normal	2	3	6
January 2021	7.86	5.28	3.69	6.27	Wet	3	2	6
December 2020	5.27	5.98	4.06	7.14	Normal	2	1	2
Sum								14
Rainfall of prior period was: drier than normal (sum is 6-9), normal (sum is 10-14), wetter than normal (sum is 15-18)								

D. Methods

The methodology used to determine the presence of wetlands followed the *Corps of Engineers Wetlands Delineation Manual* (Environmental Laboratory, 1987) and the *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Western Mountains, Valleys, and Coast Region (Version 2.0)* (Wakeley et al., 2010). The *National Wetland Plant List 2018* (USACE, 2018) was used to assign wetland indicator status for the appropriate region.

Field work was conducted on March 8, 2021 by AKS Stacey Reed, PWS, Senior Wetland Scientist and Sonya Templeton, Natural Resource Specialist. Soils, vegetation, and indicators of hydrology were recorded at 14 sample plot locations (there is no sample plot 9) on standardized wetland determination data forms (Appendix D) to document site conditions.

Representative ground level site photographs are included in Appendix E. References cited and literature used are listed at the end of this report.

F. Description of All Wetlands and Other Non-Wetland Waters

Wetlands

Wetland A

Wetland A is a palustrine scrub-shrub/emergent wetland (PSS/PEM) located east of SW Tonquin Road. The main hydrology sources for Wetland A are hillside seeps, including a seasonal spring and direct precipitation. Wetland A is situated on a toeslope where water flows through the wetland in one direction, exiting the site through a culvert located under SW Tonquin Road. During the March 2021 site visit, the culvert was dry and approximately 2 inches of scatted surface water ponding was observed in the lower elevation portions of the wetland, upslope of the culvert. Wetland A belongs to the Slopes hydrogeomorphic (HGM) classification. Wetland conditions only extend slightly off-site to the south.

The PSS portion of Wetland A is dominated by Nootka rose (*Rosa nutkana*, FAC), red alder sapling (*Alnus rubra*, FAC), Oregon ash saplings, Himalayan blackberry (FAC), and creeping buttercup (*Ranunculus repens*, FAC). The PEM portion of Wetland A is dominated by field meadow-foxtail (*Alopecurus pratensis*, FAC), creeping buttercup, with scattered patches of slough sedge (*Carex obnupta*, OBL).

Soils in the wetland are low chroma (chroma 2 or less) displaying common distinct and prominent redoximorphic features, meeting hydric soil indicator F6 Redox Dark Surface. A depleted matrix (hydric indicators F3 or A11) was also observed at most wetland plots.

A groundwater table was observed within the surface 12 inches at all wetland plots during the March 2021 site visit.

The wetland boundary is well defined based on changes in the vegetation community from FAC-dominated in wetland (Nootka rose, red alder, creeping buttercup) to a non-hydrophytic community in upland (Douglas-fir, English holly, oso-berry, fringe-cup (*Tellima grandiflora*, FACU). The change in the vegetation community coincides with a subtle change in the local relief from concave, low elevation in the wetland to a higher elevation, convex local relief in upland. The adjacent upland was documented at paired upland Plots 2, 3, 11, and 14, which lacked hydric soil indicators.

Wetland B

Wetland B is a palustrine emergent (PEM) wetland located within the portion of Tax Lot 500 west of SW Tonquin Road, and within a portion of Tax Lot 501 north of SW Oregon Street. Wetland B continues off-site as it is part of a large floodplain wetland associated with Rock Creek. The main hydrology sources for Wetland B within the study area are a seasonally-high groundwater table, subsurface flow from upslope hillsides, and occasional overbank flooding from Rock Creek. Wetland B belongs to the Slope/Riverine Impounding HGM subclass.

Within the study area Wetland B is mainly dominated by reed canary grass (FACW), with scattered patches of Oregon ash saplings (FACW) and Douglas' meadowsweet (FACW). Soils in the wetland are low chroma (chroma 2 or less) displaying common distinct and prominent redoximorphic features, meeting hydric soil indicator F6 Redox Dark Surface. A high ground water table and saturation was observed at wetland Plot 8 during the March 2021 site visit.

No data was collected for the portion of Wetland B north of Oregon Street, as the entire study area contained approximately 6-8 inches deep of inundation and was dominated by a FACW vegetation community (reed canary grass and Douglas' meadowsweet). The wetland boundary for the portion on tax lot 501 was defined by the fill slope associated with Oregon Street which was dominated by beaked hazelnut (*Corylus cornuta*; FACU) and pineland sword fern (FACU). The wetland boundary was therefore determined by the change in vegetation community from FACW in wetland to FACU in upland which coincided by a distinct change in landform, from concave floodplain wetland to convex hillslope in the upland.

Upland

Plots 5 and 6 were established in the northwestern corner of the study area south of Oregon Street, in the vicinity of wetland plots 3 and 5 delineated under WD2000-0488. This area was dominated by mowed bluegrass (FAC), bentgrass (FAC), and field meadow-foxtail, with common dandelion (FACU) and white clover (FAC).

While soils at Plots 5 and 6 met hydric soil indicators, a ground water table was not observed during the March 2021 site visit, which was during a period of normal rainfall. There was no evidence of secondary wetland hydrology indicators. Plots were left open for approximately 1 hour to allow adequate time for the groundwater table to equilibrate. According the WD2000-0488 delineation data, wetland Plots 3 and 5 did not display indicators of wetland hydrology during their site visit and were determined wetland based on hydric soil indicators.

Since Plots 5 and 6 had no indicators of wetland hydrology during a period of normal rainfall, we determined these plots to be upland. This area is located approximately 1 foot higher than the adjacent

wetland. We conducted an initial site visit on February 16, 2021, which received 0.07 inches of rain day of and 2.67 inches within the two weeks prior, according to the Hillsboro NWS station precipitation data. Since February 2021 was recorded as a wetter than normal month, we postponed delineation until March 8, 2021. Plots 5 and 6 lacked a groundwater table within the surface 16-inches during the February 2021 site visit, after leaving plots open for over a half hour.

Plot 10 was established in a low elevational feature within the forested hillslope. This area was dominated by big-leaf maple, common snowberry, and dovefoot geranium (*Geranium molle*, NOL). Plot 10 lacked hydric soil and wetland hydrology indicators; therefore, was determined to be upland. This area also lacked a defined bed and bank or evidence of surface flow.

G. Mapping Method

Wetland A, the on-site portions of Wetland B, and Plots 1 through 14 (there is no Plot 9) were professionally land surveyed by AKS with sub-meter accuracy on March 10, 2021. Wetland boundaries were flagged in the field with orange wire whips and flagging and sample plots were flagged with pink wire whips. Flags were left in the field after surveying. The delineation map is included as Figures 5 and 5A in Appendix A.

H. Deviation from LWI or NWI

According to the City of Sherwood's DSL-approved Local Wetland Inventory (LWI), wetland is mapped in the vicinity of Wetlands A and B delineated under this study (Figure 4, Appendix A). Our study generally agrees with the LWI mapping.

I. Additional Information

Wetlands A and B are naturally occurring wetlands likely to be determined jurisdictional by DSL.

Seasonal discharge from Wetland A flows off-site to the west through a 16-inch diameter culvert under SW Tonquin Road. The culvert discharges into Rock Creek, a perennial tributary to the Tualatin River, on the western side of SW Tonquin Road.

According to the US Environmental Protection Agency (EPA) and USACE finalization of The Navigable Waters Protection Rule (NWPR), wetlands are only federally jurisdictional if there is a one-way surface connection associated with inundation from the paragraph (a)(3) water to the wetland during a "typical year." Rock Creek, the (a)(3) tributary, is located off-site at a lower elevation on the western side of SW Tonquin Road. Wetland A is located several feet higher in elevation than Rock Creek. Therefore, it is very unlikely that flow associated with Rock Creek extends upslope through the culvert under Tonquin Road to inundate Wetland A during a typical year; therefore, under the NWPR, Wetland A may not be determined jurisdictional to the USACE.

However, Wetland B receives overbank flooding associated with Rock Creek (a paragraph (a)(2) water); therefore, Wetland B may be regulated under Section 404 of the Clean Water Act (CWA).

J. Summary of Results and Conclusions

Table 3 below provides a summary of the on-site sizes of the features, hydrologic connections to other nearby waters, the Cowardin and Hydrogeomorphic (HGM) classifications for the wetlands, and our prediction of whether each feature would likely be determined jurisdictional by DSL or the USACE.



Table 2: Summary of Study Results and Conclusions

Potentially Jurisdiction al Feature	Latitude/Long itude	Size Within Study area (acres)	Cowardin Class	HGM class or Flow Regime	Connection to Other Waters	DSL/USACE Predicted Jurisdiction
Wetland A	45.36053722/ -122.82397334	0.26	PSS/PEM	Slope	Rock Creek	DSL
Wetland B	45.36053722/ -122.82339733	0.33	PEM	Slope/Riverine Impounding	Rock Creek	DSL and USACE

K. Required Disclaimer

This report documents the investigation, best professional judgment, and conclusions of the investigators. It is correct and complete to the best of our knowledge. It should be considered a Preliminary Jurisdictional Determination of wetlands and other waters and used at your own risk, unless it has been reviewed and approved in writing by the Oregon Department of State Lands in accordance with Oregon Administrative Rules (OAR) 141-090-0005 through 141-090-0055.

L. List of Preparers

Sonya Templeton

Natural Resource Specialist

Fieldwork, Report Preparation

Stacey Reed, PWS

Senior Wetland Scientist

Stacy Reed

Fieldwork, Report QA/QC

Literature Cited and Referenced

- Adams, P.R. 2001. Guidebook for Hydrogeomorphic (HGM)-based Assessment of Oregon Wetland and Riparian Sites: Statewide Classification and Profiles. Salem (OR): Oregon Division of State Lands. Available at:

 http://www.oregon.gov/dsl/WW/Documents/hydro_guide_class.pdf. [Accessed March 2021]
- Cowardin, L.M. 1979. *Classification of Wetland and Deepwater Habitats of the United States.* Jamestown (ND): Northern Prairie Wildlife Research Center, US Fish and Wildlife Service.
- Environmental Laboratory. 1987. Technical Report Y-87-1. In: *Corps of Engineers Wetlands Delineation Manual*. Vicksburg (MS): US Army Engineer Waterways Experiment Station. Available at: https://www.sac.usace.army.mil/Portals/43/docs/regulatory/1987_wetland_delineation_manual_reg.pdf. [Accessed March 2021].
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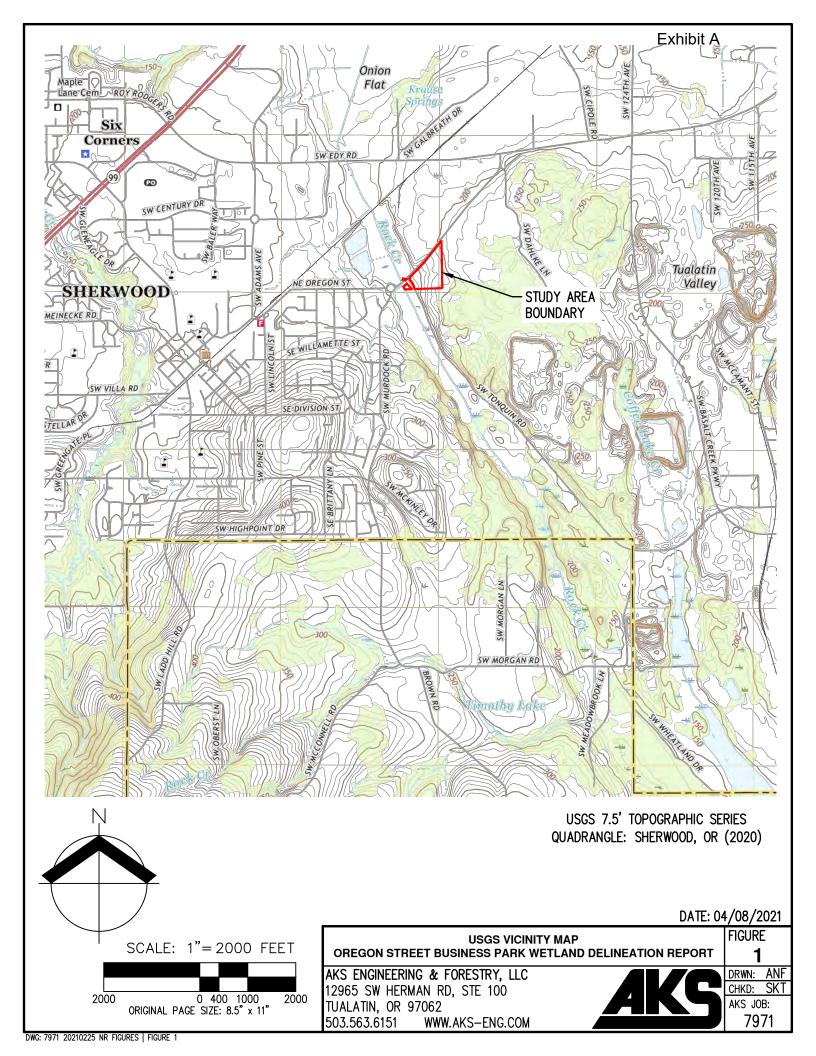
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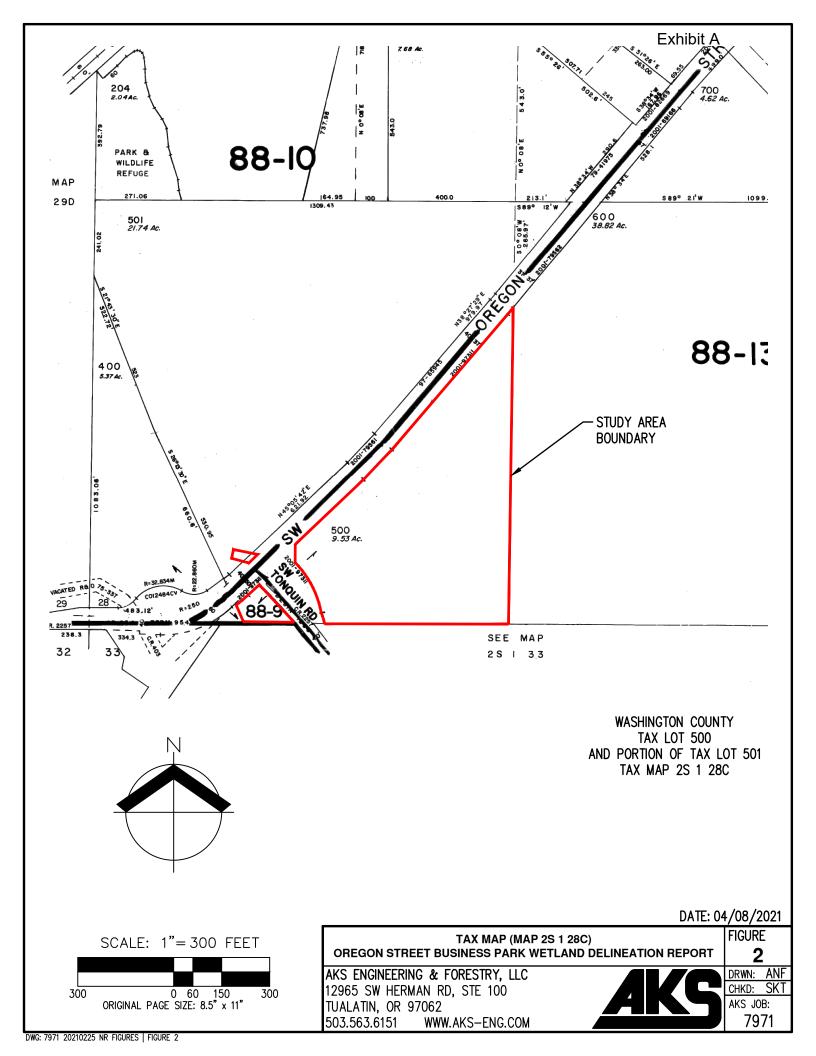


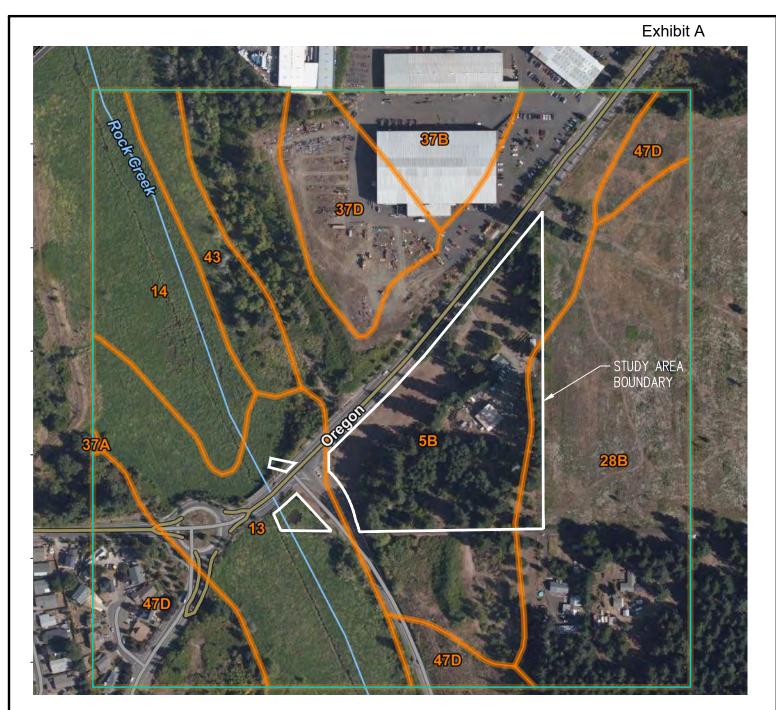
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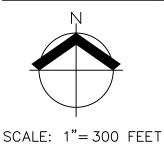
Appendix A: Maps







MAP UNIT SYMBOL	MAP UNIT NAME
5B	BRIEDWELL STONY SILT LOAM, 0% TO 7% SLOPES; NON-HYDRIC
28B	LAURELWOOD SILT LOAM, 3% TO 7% SLOPES; NON-HYDRIC
13	COVE SILTY CLAY LOAM; HYDRIC



NRCS WEB SOIL SURVEY FOR WASHINGTON COUNTY

AKS ENGINEERING & FORESTRY, LLC

12965 SW HERMAN RD, STE 100

DATE: 04/08/2021

NRCS SOIL SURVEY MAP OREGON STREET BUSINESS PARK WETLAND DELINEATION REPORT

DRWN: ANF CHKD: SKT AKS JOB:

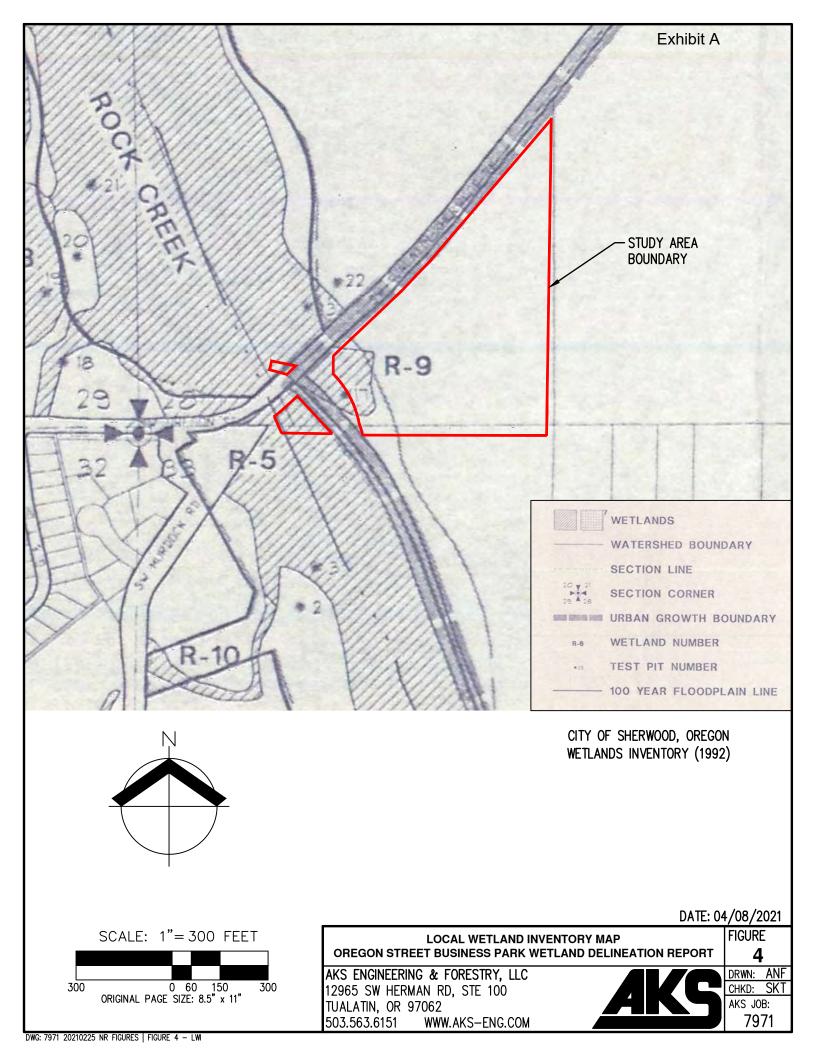
7971

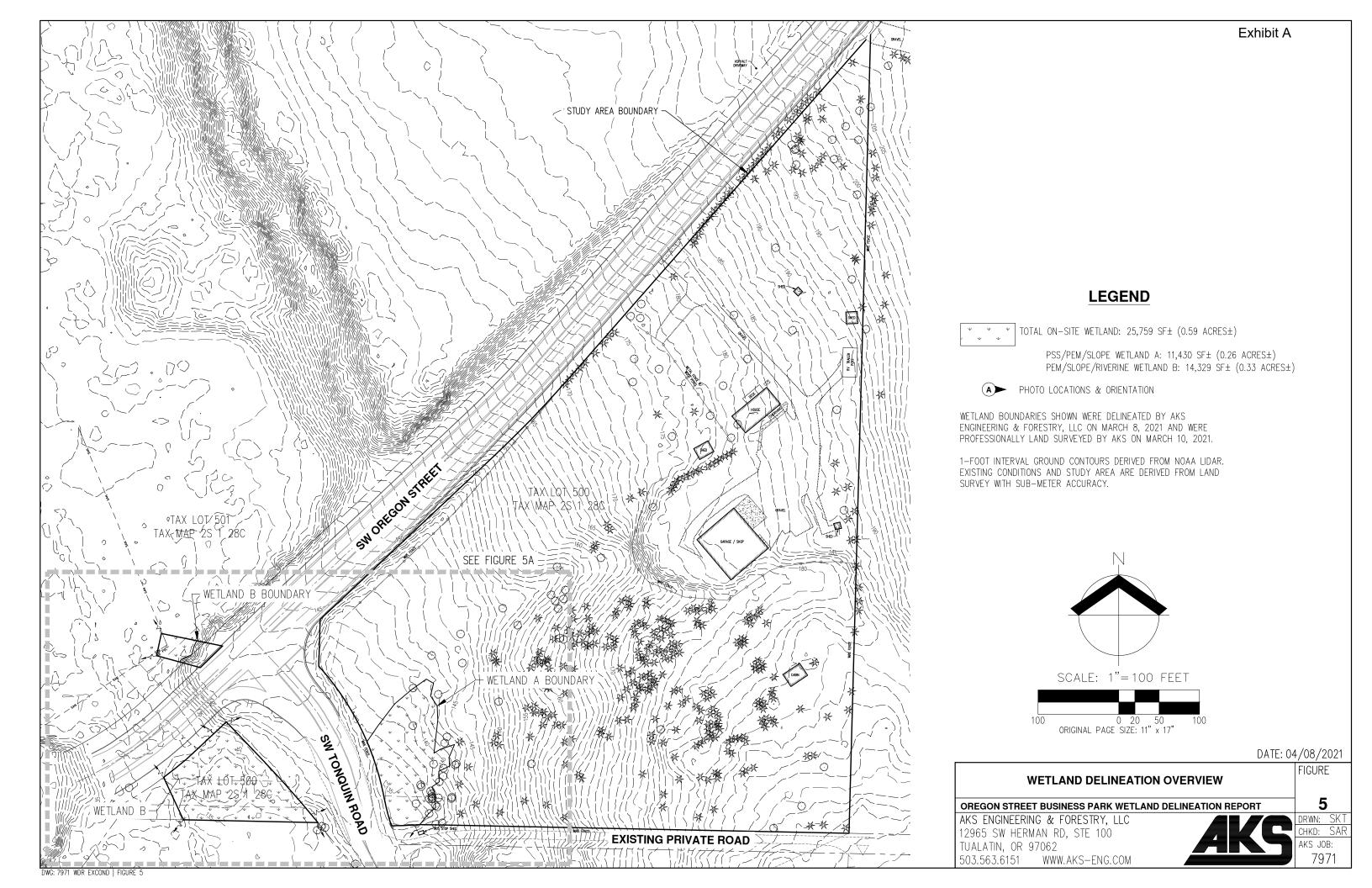
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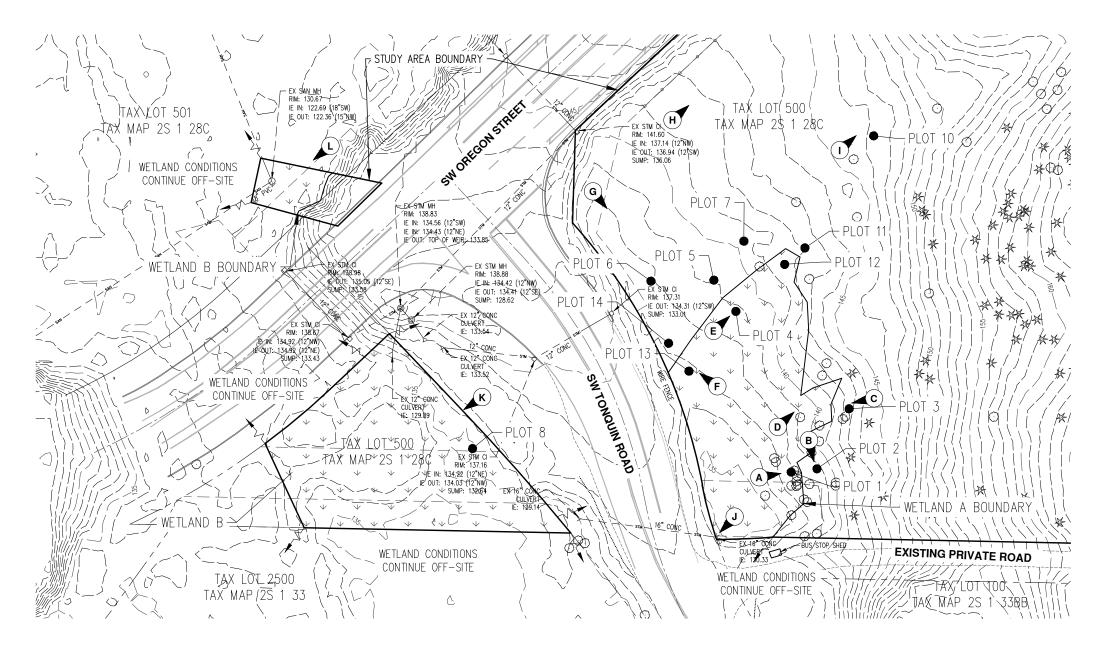
FIGURE

TUALATIN, OR 97062 0 60 150 ORIGINAL PAGE SIZE: 8.5" x 11" 300 503.563.6151 WWW.AKS-ENG.COM

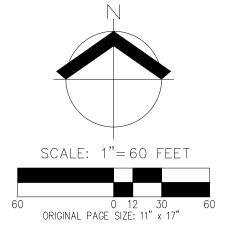
300







LEGEND



TOTAL ON-SITE WETLAND: 25,759 SF± (0.59 ACRES±)

PSS/PEM/SLOPE WETLAND A: 11,430 SF± (0.26 ACRES±) PEM/SLOPE/RIVERINE WETLAND B: 14,329 SF± (0.33 ACRES±)



(A) PHOTO LOCATIONS & ORIENTATION

WETLAND BOUNDARIES SHOWN WERE DELINEATED BY AKS ENGINEERING & FORESTRY, LLC ON MARCH 8, 2021 AND WERE PROFESSIONALLY LAND SURVEYED BY AKS ON MARCH 10, 2021

1-FOOT INTERVAL GROUND CONTOURS DERIVED FROM NOAA LIDAR. EXISTING CONDITIONS AND STUDY AREA ARE DERIVED FROM LAND SURVEY WITH SUB-METER ACCURACY.

WETLAND DELINEATION

DATE: 04/08/2021 FIGURE

5A

OREGON STREET BUSINESS PARK WETLAND DELINEATION REPORT

AKS ENGINEERING & FORESTRY, LLC 12965 SW HERMAN RD, STE 100 TUALATIN, OR 97062 503.563.6151 WWW.AKS-ENG.COM

<u>DRWN:</u>SK1 CHKD: SAR AKS JOB: 7971





































WETS Station: PORTLAND- HILLSBORO AP, OR													
Requested years: 1971 - 2021													
Month	Avg Max Temp	Avg Min Temp	Avg Mean Temp	Avg Precip	30% chance precip less than	30% chance precip more than	Avg number days precip 0. 10 or more	Avg Snowfall					
Jan	46.7	33.8	40.2	5.28	3.69	6.27	12	-					
Feb	49.9	33.6	41.8	3.63	2.25	4.39	10	-					
Mar	54.9	36.3	45.6	3.77	2.77	4.43	11	-					
Apr	60.6	39.1	49.9	2.40	1.78	2.82	8	-					
May	68.1	44.7	56.4	1.81	1.06	2.21	6	-					
Jun	73.5	49.0	61.2	1.20	0.75	1.45	4	-					
Jul	81.8	52.4	67.1	0.28	0.16	0.32	1	-					
Aug	82.3	52.1 47.5	67.2	0.45	0.16	0.49	1 3	-					
Sep Oct	75.9 63.3	41.5	61.7 52.4	1.30 3.12	0.58 1.95	1.58 3.77	7	-					
Nov	52.2	36.7	44.4	5.12	3.56	6.22	11	-					
Dec	45.6	33.2	39.4	5.98	4.06	7.14	13	-					
Annual:					30.26	37.33							
Average	62.9	41.7	52.3	-	-	-	-	-					
Total	-	-	-	34.42			88	-					
GROWING SEASON DATES													
Years with missing data:	24 deg = 29	28 deg = 29	32 deg = 29										
Years with no occurrence:	24 deg = 0	28 deg = 0	32 deg = 0										
Data years used:	24 deg = 22	28 deg = 22	32 deg = 22										
Probability	24 F or higher	28 F or higher	32 F or higher										
50 percent *	2/2 to 11/28: 299 days	3/15 to 11/10: 240 days	4/20 to 10/23: 186 days										
70 percent *	1/23 to 12/9: 320 days	3/7 to 11/ 19: 257 days	4/13 to 10/31: 201 days										
* Percent chance of the growing season occurring between the Beginning and Ending dates.													
STATS TABLE - total precipitation (inches)													
Yr	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annl
1998						M0.68	M0.32	Т	0. 87	M2. 75	9. 03	7.07	20. 72
1999	7.48	9.78	4.29	1.50	1.74	1.55	0.66	0.84	0. 14	2. 49	6. 91	3.91	41. 29
2000	6.92	4.35	3.02	1.36	1.91	1.04	0.08	M0.15	1. 27	3. 00	2. 16	3.24	28. 50
2001	1.94	1.58	2.33	1.86	0.85	1.20	0.45	0.79	0. 79	3. 13	8. 54	6.98	30. 44
2002	7.31	3.13	3.49	1.71	1.44	1.30	M0.32	0.05	0. 83	0. 43	2. 61	9.88	32. 50
2003	8.29	2.93	5.16	5.91	0.75	0.15	Т	0.55	0. 94	3. 07	4. 43	7.93	40. 11
2004	5.90	4.27	M1.68	1.79	1.24	0.82	Т	2.31	1. 37	3. 55	2. 61	3.72	29. 26
2005	2.27	0.68	4.42	2.56	4.35	1.55	0.24	0.32	1. 36	3. 68	6. 09	9.09	36. 61
2006	11.90	1.99	3.57	2.02	2.70	1.08	0.14	0.08	0.	0.	12.	M7.	45.

									59	90	88	49	34
2007	3.24	3.80	2.39	1.96	1.29	0.97	0.40	0.53	1. 73	3. 12	3. 90	8.94	32. 27
2008	5.38	1.49	3.31	1.94	0.97	0.36	0.09	1.37	0. 22	1. 69	4. 51	M2. 77	24. 10
2009	M4.36	1.08	2.40	1.24	2.92	1.34	0.13	0.72	1. 51	3. 32	5. 72	M3. 96	28. 70
2010	5.14	4.06	3.76	3.22	3.16	3.52	0.45	0.17	2. 21	3. 98	5. 23	8.16	43. 06
2011	3.59	3.83	5.39	3.42	M2.10	0.59	1.23	Т	0. 26	1. 88	5. 38	2.33	30. 00
2012	5.79	M2.48	6.59	2.38	2.34	2.42	0.09	0.02	0. 04	5. 45	7. 59	7.50	42. 69
2013	1.47	1.87	1.81	2.33	3.98	1.31	Т	0.85	6. 27	0. 87	2. 73	1.08	24. 57
2014	2.41	5.06	6.07	3.42	1.70	0.92	0.52	0.14	1. 10	6. 12	2. 83	5.88	36. 17
2015	3.01	4.57	4.68	1.41	0.44	0.54	0.32	0.55	0. 86	3. 42	4. 00	14. 60	38. 40
2016	7.53	3.96	5.31	1.88	0.80	1.33	0.33	0.25	0. 93	8. 66	6. 25	4.77	42. 00
2017	4.11	10.06	6.96	3.56	1.82	1.05	Т	0.13	1. 39	4. 04	7. 38	2.92	43. 42
2018	5.17	2.15	2.79	3.32	0.11	0.65	Т	Т	0. 79	3. 33	2. 61	4.74	25. 66
2019	3.12	4.96	1.36	3.23	1.45	0.64	0.49	0.21	3. 08	1. 51	1. 16	5.22	26. 43
2020	7.18	1.49	2.12	0.88	1.86	2.04	0.07	0.25	M1. 28	1. 38	5. 34	5.27	29. 16
2021	7.86	3.91											11. 77

Notes: Data missing in any month have an "M" flag. A "T" indicates a trace of precipitation.

Data missing for all days in a month or year is blank.

Creation date: 2016-07-22

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Climatological Report (Daily)

000 CDUS46 KPQR 091144 CLIHIO

CLIMATE REPORT NATIONAL WEATHER SERVICE 344 AM PST TUE MAR 09 2021

...THE HILLSBORO OR CLIMATE SUMMARY FOR MARCH 8 2021...

CLIMATE NORMAL PERIOD 1981 TO 2010 CLIMATE RECORD PERIOD 1929 TO 2021

WEATHER ITEM		TIME (LST)		YEAR	NORMAL VALUE	DEPARTURE FROM NORMAL	LAST YEAR
TEMPERATURE (F)	• • • • • •	• • • • • • •	• • • • •	• • • • • •		• • • • • • •
YESTERDAY		242 04	70	2004	- 4	4	50
MAXIMUM	53	342 PM			54		50
MINIMUM	30	/12 AM	25	1985	35		30
AVERAGE	42				45	-3	40
PRECIPITATION	(IN)						
YESTERDAY	0.01		1.13	1995	0.11	-0.10	
MONTH TO DAT	E 0.24				0.88	-0.64	
SINCE OCT 1	24.00				27.74	-3.74	
SINCE JAN 1	12.01				11.35	0.66	
DEGREE DAYS HEATING							
YESTERDAY	23				20	3	
MONTH TO DAT	E 172				165	7	
SINCE JUL 1	3310			,	3692	-382	
COOLING							
YESTERDAY	0				0	0	
MONTH TO DAT	E 0				0	0	
SINCE JAN 1	0				0	0	
•••••	• • • • • • • • •	• • • • • •	• • • • • •	• • • • •	• • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • •

WIND (MPH)

HIGHEST WIND SPEED 23 HIGHEST WIND DIRECTION S (190) HIGHEST GUST SPEED 30 HIGHEST GUST DIRECTION S (180) AVERAGE WIND SPEED 6.1

WEATHER CONDITIONS

THE FOLLOWING WEATHER WAS RECORDED YESTERDAY. NO SIGNIFICANT WEATHER WAS OBSERVED.

R	ELATIVE	HUMIDITY	(PERCENT)	
	HIGHEST	100	100	АМ
	LOWEST	46	300	РΜ
,	AVERAGE	73		

•••••

THE HILLS	SBORO OR	CLIMATE	NORMALS	FOR TODAY	
			NORMAL	RECORD	YEAR
MAXIMUM	TEMPERA	TURE (F)	55	70	1965
					2005
MINIMUM	TEMPERA ⁻	TURE (F)	36	24	1943
					1951

SUNRISE AND SUNSET

MARCH 9 2021......SUNRISE 635 AM PST SUNSET 610 PM PST MARCH 10 2021......SUNRISE 633 AM PST SUNSET 612 PM PST

The U.S. Naval Observatory (USNO) data is currently unavailable. The links provided are from other US Government sources. When USNO data is returned to service, the links will be updated.

INDICATES NEGATIVE NUMBERS.

R INDICATES RECORD WAS SET OR TIED.

MM INDICATES DATA IS MISSING.

T INDICATES TRACE AMOUNT.

Explanation of the Preliminary Monthly Climate Data (F6) Product

These data are preliminary and have not undergone final quality control by the National Climatic Data Center (NCDC). Therefore, these data are subject to revision. Final and certified climate data can be accessed at the NCDC - http://www.ncdc.noaa.gov.

WFO Monthly/Daily Climate Data

000 CXUS56 KPQR 011210 CF6HIO PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6)

STATION: HILLSBORO OR MONTH: FEBRUARY
YEAR: 2021
LATITUDE: 45 32 N
LONGITUDE: 122 57 W

.....

TEMPERATURE IN F: :PCPN: SNOW: WIND :SUNSHINE: SKY							:PK	WND										
1	2	3	4	5	6A	6B	7	8	9 12Z	10	11	 12 2MIN	13	14	15	1		18
	MAX						WTR		DPTH	SPD	SPD	DIR		PSBL				
==:	=====	:===:	====	====:	====:	====	=====	=====	:====:	=====	:===	====:	====:	=====	====	===:	=====:	====
1	50	46	48	6	17	0	0.54	М	М	8.1	. 17	180	М	М	10	1	22	170
2	50	40	45	3	20	0	0.46	М	М	10.8	26	180	М	М	8	1	37	180
3	46	35	41	-1	24	0	0.10	Μ	М			180	М	М	10	1	25	180
4	45	36	41	-1		0	0.01	М	М			180	М	М	9	1		190
5	52	33	43	1	22	0	0.03	М	М			170	М	М	8	1		180
6	48	31	40	-2			0.01	М	М			180	М	М		12		210
7	49	36	43	1	22		0.02	М	М			270	М	М	10			280
8	45	31	38	-4			0.00	М	М	2.4		340	М	М		1		340
9	47	27	37	-5			0.00	М	М	0.9			М	М		12	8	
10	47	31	39	-3	26	_	0.00	М	М	2.6			М	М	8		13	
11	40	28	34	-8	31		0.10	М	М		21		М	М	10		28	
12	29	25		-15	38		0.41	М	М				М	М		16	25	
13	34	24		-13	36		0.33	М	М			120	М	М		16		100
14	33	28		-11	34		0.48	М	М	1.9		120	М	М		16	12	
15	48	32	40	-2	25		0.18	М	M			230	М	М		12		210
16	50	33	42	0	23		0.07	М	М			300	М	М		1		330
17	50	33	42	0		0	T	М	М	1.5		270	М	М		12		260
18	41	35	38	-4		_	0.27	M	M			100	М	М	_			100
19	49	38	44	1	21	_	0.11	М	М			160	М	М		12		160
20	50	34	42	-1	23	0	T	М	M			180	М	М		1		300
21	51	42	47	4		0	T	M		12.7			М	М	9			180
22	52	37	45	2			0.22	М		11.2			М	М		1		180
23	49	33	41	-2			0.07	М	M			230	М	М		1		240
24	48	31	40	-3			0.07	M	M	1.3			М	М		12		290
25	51	36	44	1	21 20		0.20	М	M			280	М	М	10	1		280
26 27	50 50	40	45	2		_	0.23	М	M			320 270	М	М		1		310 300
		31	41	-3		0	T	M	M				M	M	8			
28	55 	39 	47 	3 	18 		0.00 	М =====	M 			160 	M 	M 	5 	:	1 <i>/</i> =====:	170
SM	1309	94	45		686	0	3.91	Ν	1 :	145.9)		М		237			
	 46.8			====	====	-===		====	-===:			====: STST	==== M	===== M	:=== 8	===:	===== MAX(MPI	
~ v	-U.C							MISC				320	1:1	111	0	#	37 180	.,
==:	====	====		====:	====:								====:	====:	====:		======	====
NO.	ΓES:																	

NOTES:

LAST OF SEVERAL OCCURRENCES

COLUMN 17 PEAK WIND IN M.P.H.

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PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6) , PAGE 2
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STATION: HILLSBORO OR
MONTH: FEBRUARY
YEAR: 2021
LATITUDE: 45 32 N
LONGITUDE: 122 57 W

[TEMPERATURE DATA]	[PRECIPITATION DATA]	SYMBOLS USED IN COLUMN 16
AVERAGE MONTHLY: 40.3 DPTR FM NORMAL: -2.0 HIGHEST: 55 ON 28 LOWEST: 24 ON 13		<pre>2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS 3 = THUNDER 4 = ICE PELLETS 5 = HAIL 6 = FREEZING RAIN OR DRIZZLE</pre>
[NO. OF DAYS WITH]	[WEATHER - DAYS WITH]	
MAX 32 OR BELOW: 1 MAX 90 OR ABOVE: 0 MIN 32 OR BELOW: 11 MIN 0 OR BELOW: 0 [HDD (BASE 65)] TOTAL THIS MO. 686 DPTR FM NORMAL 52 TOTAL FM JUL 1 3138 DPTR FM NORMAL -387	0.10 INCH OR MORE: 13 0.50 INCH OR MORE: 1 1.00 INCH OR MORE: 0	
[CDD (BASE 65)] TOTAL THIS MO. 0 DPTR FM NORMAL 0 TOTAL FM JAN 1 0 DPTR FM NORMAL 0 [REMARKS] #FINAL-02-21#	<u>-</u>	

Explanation of the Preliminary Monthly Climate Data (F6) Product

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WFO Monthly/Daily Climate Data

238
CXUS56 KPQR 011210
CF6HIO
PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6)

STATION: HILLSBORO OR MONTH: JANUARY
YEAR: 2021
LATITUDE: 45 32 N
LONGITUDE: 122 57 W

		ERATU					PCPN:		SNOW:	WIN				SHINE			:PK W	
1	2	3	4	5	6A	6B	7	8	9 12Z	10	11	 12 2MIN	1 3	14	1 5	16		18
					HDD		WTR		DPTH	SPD	SPD	DIR					SPD	
1 2	52 50	46 46	49 48	11 10	16 17		0.28 1.04	M M				170 180	M M	M M	10 9	18 1		180 180
3	51	38	46 45	6	20	_	0.32	M				180	M	M	8	1		190
4	52	43	48	9	17		0.66	M				230	M	M	9	1		220
5	49	40	45	6	20		0.09	M				130	М	М	8	1		110
6	50	42	46	7	19		0.71	M				170	M	 М	10	12		180
7	53	37	45	6	20		0.01	М				100	М	М	5			100
8	51	31	41	2	24	0	0.43	М	М			320	Μ	М	6	1	16	310
9	45	30	38	-1	27	0	0.03	М	М	2.5	5 10	300	М	М	6	12	12	300
10	47	39	43	3	22	0	0.12	М	М	1.6	5 12	90	М	М	10	12	13	80
11	50	39	45	5	20	0	0.52	М	М	3.1	L 13	180	Μ	М	9	12	17	170
12	59	50	55	15	10	0	1.85	М	М	13.5	5 22	210	М	М	10	1	29	210
13	59	39	49	9	16	0	0.01	М	М	5.3	31	280	Μ	М	2		40	270
14	54	35	45	5	20	0	0.02	М	М	2.8	3 9	290	М	М	3	1		290
15	50	44	47	7	18		0.06	М	М	2.1		80	М	М	10	1	9	70
16	49	39	44	4	21	_	0.00	М		2.4	-	170	М	М	7		_	180
17	50	35	43	3	22	_	0.03	М		2.3	-	310	М	М	8	12	_	310
18	53	30	42	2			0.00	М	М	2.5		310	М	М		12	11	60
19	54	28	41	0	24	_	0.00	М		2.6		120	М	М	0	1	12	90
20	47	26	37	-4	28	0	T	M		0.6		290	М	М	4	1		220
21	49	38	44	3	21	_	0.14	M		2.1		60	М	М	9	18	10	60
22 23	51 46	29 25	40 36	-1	25 29		0.00	M M		0.6	2 12	50 140	М	М	3	12	15	60 160
24	39	35	37	-5 -4	28		0.00 0.38	M				180	M M	M M	10	1		140
25	42	34	38	-3	27		0.01	M		1.7			M	M	10	1		170
26	40	33	37	-4	28		0.47	M			_	100	М	M	10	_	27	80
27	42	32	37	-4	28		0.22	 М				200	M	M		12		200
28	46	34	40	-1	25		0.03	 М				160	M	 М	10			160
29	45	32	39	-2	26		0.07	M				160	M	M	9	12		170
30	51	41	46	5	19	_	0.12	М				160	М	М	10	18		160
31	55	47	51	9	14		0.24	М	М			180	М	М	10	1	24	170
	1533	===== 1 113	37	====	674	 0	7.86			==== 139.1		====:	==== M	====:	231	====	:=====	===
		===== 4 36.		====	====	====		====:	=====			STST	==== M	 M	===== 7	====	MAX(MPH	

MISC --->

31 280

40 270

```
National Weather Service - Climate Data
______
NOTES:
# LAST OF SEVERAL OCCURRENCES
COLUMN 17 PEAK WIND IN M.P.H.
PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6), PAGE 2
                                                   HILLSBORO OR
                                        STATION:
                                        MONTH:
                                                   JANUARY
                                        YEAR:
                                                   2021
                                        LATITUDE:
                                                   45 32 N
                                        LONGITUDE: 122 57 W
[TEMPERATURE DATA]
                       [PRECIPITATION DATA]
                                                 SYMBOLS USED IN COLUMN 16
AVERAGE MONTHLY: 43.0
                       TOTAL FOR MONTH:
                                         7.86
                                                 1 = FOG OR MIST
                       DPTR FM NORMAL:
DPTR FM NORMAL: 2.9
                                         1.80
                                                 2 = FOG REDUCING VISIBILITY
           59 ON 13,12 GRTST 24HR 2.53 ON 11-12
HIGHEST:
                                                     TO 1/4 MILE OR LESS
           25 ON 23
                                                 3 = THUNDER
LOWEST:
                                                 4 = ICE PELLETS
                       SNOW, ICE PELLETS, HAIL
                       TOTAL MONTH: M
                                                 5 = HAIL
                       GRTST 24HR
                                                 6 = FREEZING RAIN OR DRIZZLE
                                    M ON
                       GRTST DEPTH: M ON
                                                 7 = DUSTSTORM OR SANDSTORM:
                                            М
                                                     VSBY 1/2 MILE OR LESS
                                                 8 = SMOKE OR HAZE
                       [WEATHER - DAYS WITH]
[NO. OF DAYS WITH]
                                                 9 = BLOWING SNOW
                                                 X = TORNADO
MAX 32 OR BELOW:
                  0
                       0.01 INCH OR MORE:
MAX 90 OR ABOVE:
                  0
                       0.10 INCH OR MORE:
                                          15
MIN 32 OR BELOW:
                  9
                       0.50 INCH OR MORE:
                                           5
MIN Ø OR BELOW:
                  0
                       1.00 INCH OR MORE:
                                           2
[HDD (BASE 65) ]
                       CLEAR (SCALE 0-3)
TOTAL THIS MO.
                674
                                           5
                       PTCLDY (SCALE 4-7)
DPTR FM NORMAL
                -98
                                           8
                       CLOUDY (SCALE 8-10) 18
TOTAL FM JUL 1 2452
DPTR FM NORMAL
               -443
[CDD (BASE 65) ]
```

TOTAL THIS MO. 0 DPTR FM NORMAL a

[PRESSURE DATA] 0

TOTAL FM JAN 1 HIGHEST SLP 30.54 ON 17 DPTR FM NORMAL 0 LOWEST SLP 29.39 ON 26

[REMARKS] #FINAL-01-21#

Explanation of the Preliminary Monthly Climate Data (F6) Product

These data are preliminary and have not undergone final quality control by the National Climatic Data Center (NCDC). Therefore, these data are subject to revision. Final and certified climate data can be accessed at the NCDC - http://www.ncdc.noaa.gov.

WFO Monthly/Daily Climate Data

232 CXUS56 KPQR 011537 CF6HIO PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6)

STATION: HILLSBORO OR MONTH: DECEMBER
YEAR: 2020
LATITUDE: 45 32 N
LONGITUDE: 122 57 W

	ГЕМРЕ						PCPN:		SNOW:	WIN				SHINE			:PK W	
1	2	3	4	5	6A	6B	7	8	9 12Z	10 AVG	11	12	13	14	15	16		18
	MAX						WTR		DPTH	SPD	SPD	DIR					SPD	
1	51	30	41	0	24		0.00	М	М		3 20	80	М	М	5	12	28	70
2	55	33	44	4	21		0.00	М		11.3			М	М	0		30	90
3	50	30	40	0	25		0.00	М	М	1.7		290	М	М	1	_		290
4	55	26	41	1	24		0.00	М	М	2.4		310	М	М	0	1		330
5	54	28	41	1	24	_	0.01	М	М			100	М	М	3			100
6	47	38	43	3			0.03	М	М	1.8			М	М	10	1	9	50
7	50 54	34	42	3			0.00	М	М	0.9		300	М	М	1	1	_	140
8 9	54 50	34 35	44	5 4	21 22		0.18 T	М	М			310 310	М	М	6 8	1 12		330 310
10	50 41	35 34	43 38	-1	27	0	0.12	M M	M M			170	M M	M M		12		170
11	41	31	37	-1 -2	28	_	0.40	M	M	1.9		30	M	M	10		12	30
12	46	31	39	1	26		0.04	M	M		16	90	M	M		12	20	80
13	44	38	41	3	24		0.44	M	M			110	М	M	10	1		130
14	45	36	41	3	24	0	Т	M	M	1.7		230	M	M	9	12		320
15	49	41	45	7			0.11	M	M			170	M	 М	9	1		170
16	50	42	46	8	19		0.47	М	М			190	М	М	8	1		180
17	52	38	45	7			0.02	М	М			240	М	М	8	1		180
18	50	38	44	6	21		0.17	М	М			180	М	М	8	1	26	180
19	53	44	49	11	16	0	0.48	М	М	9.9	22	180	Μ	М	10	1	30	180
20	53	46	50	12	15	0	1.24	М	М	2.7	7 13	180	Μ	М	10	1	16	170
21	59	41	50	12	15	0	0.28	М	М	9.8	30	310	Μ	М	9	1	39	180
22	49	31	40	2	25	0	0.03	М	М	3.5	17	260	Μ	М	7	12	23	280
23	49	28	39	1	26	0	0.00	М	М	3.3	10	60	Μ	М	3	12	13	70
24	44	22	33	-5	32	0	0.00	М	М	2.6		290	Μ	М	0	1	8	300
25	49	31	40	2		0	0.61	М	М			160	Μ	М	8	1		150
26	51	40	46	8	19	_	0.10	М	М			170	Μ	М	7			200
27	52	32	42	4	23		0.02	М	М	3.6	5 12	60	М	М	4	12	16	60
28	48	26	37	-1	28		0.00	М	М	3.4		310	М	М	0	1	10	70
29	37	27	32	-6	33		0.06	М	М	1.6		300	М	М	8	12		120
30	47	36	42	4	23		0.42	М	М			180	М	М	10	1		150
31	51	45	48	10	17	_	0.04	М	М			190	М	М	9	1		180
	1527	106	56		712	0	5.27	ľ	: ۱	144.7	7		М		196			
AV	49.3								 C	4.7	7 FA	STST 310	 М	M	6		MAX(MPH 39 180	

NOTES:

LAST OF SEVERAL OCCURRENCES

COLUMN 17 PEAK WIND IN M.P.H.

PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6), PAGE 2

STATION: HILLSBORO OR MONTH: **DECEMBER** YEAR: 2020 LATITUDE: 45 32 N LONGITUDE: 122 57 W

[TEMPERATURE DATA] [PRECIPITATION DATA] SYMBOLS USED IN COLUMN 16 AVERAGE MONTHLY: 41.8 TOTAL FOR MONTH: 5.27 1 = FOG OR MIST

59 ON 21 HIGHEST: 22 ON 24 LOWEST:

SNOW, ICE PELLETS, HAIL TOTAL MONTH: M

GRTST 24HR M ON М GRTST DEPTH: M ON М

[WEATHER - DAYS WITH] [NO. OF DAYS WITH]

MAX 32 OR BELOW: 0 0.01 INCH OR MORE: 21 MAX 90 OR ABOVE: 0 0.10 INCH OR MORE: 13 MIN 32 OR BELOW: 13 0.50 INCH OR MORE: 2 MIN Ø OR BELOW: 1.00 INCH OR MORE: 0 1

[HDD (BASE 65)]

TOTAL THIS MO. CLEAR (SCALE 0-3) 712 7 PTCLDY (SCALE 4-7) DPTR FM NORMAL -108 9 TOTAL FM JUL 1 1778 CLOUDY (SCALE 8-10) 15

DPTR FM NORMAL -342

[CDD (BASE 65)] TOTAL THIS MO. 0

DPTR FM NORMAL 0

TOTAL FM JAN 1 344 HIGHEST SLP 30.58 ON 1 DPTR FM NORMAL 146 LOWEST SLP 29.61 ON 21

[PRESSURE DATA]

[REMARKS] #FINAL-12-20# 2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS

3 = THUNDER4 = ICE PELLETS 5 = HAIL

6 = FREEZING RAIN OR DRIZZLE 7 = DUSTSTORM OR SANDSTORM: VSBY 1/2 MILE OR LESS

8 = SMOKE OR HAZE 9 = BLOWING SNOW X = TORNADO



Appendix D: Wetland D	etermination Data Forms
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Project/Site: Oregon Street Business Park		City/Count	ty: Sherwood / W	Vashington	Sampling Date	e: 3/8/2021
Applicant/Owner: Oregon Street Business Pa	ark, LLC			State: OR	Sampling	Point: 1
Investigator(s): Stacey Reed, PWS and Sony	a Templeton	Section,	, Township, Ran	ge: Sec. 28, T.2S., R.1W	., W.M.	
Landform (hillslope, terrace, etc.): Toeslope	Э		Local relief (c	oncave, convex, none):	Concave	Slope (%): <3%
Subregion (LRR): A. Northwest Forests and	Coast L	at: 45.360742	Lo	ng: -122.823014	Datum	n:
Soil Map Unit Name: Briedwell stony	silt loam, (Unit 5B), 0%	to 7% slopes; No	n-hydric	NWI c	classification:	None
Are climatic / hydrologic conditions on the site	• •			es X No	``	ain in Remarks)
Are Vegetation , Soil				Are "Normal Circumstance	•	Yes <u>X</u> No
	, or Hydrology			If needed, explain any an		•
SUMMARY OF FINDINGS – Attach			oint location	ns, transects, impo	rtant feature:	s, etc.
Hydrophytic Vegetation Present?		No	Is the Samp	lad Araa		
Hydric Soil Present?		No	within a Wet	tland?		
Wetland Hydrology Present?	Yes X	No	Within a Wei	Yes Yes	X No_	
Precipitation: According to the NWS Hillsboro weather station	on, 0.01 inches of rainfa	all was received o	n the day of and	1.02 inches within the tw	o weeks prior.	
Remarks:						
VEGETATION						
Troe Stratum (Diet Size: 20' r.er.	Absolute	Dominant	Indicator	Dominance Test wo		
Tree Stratum (Plot Size: 30' r or)	% Cover	Species?	<u>Status</u>	Number of Dominant	•	0 (1)
Populus balsamifera 2.	10%	Yes	FAC	That Are OBL, FACW	/, or FAC:	6 (A)
3.				Total Niverban of Dans	-i -	
4.		<u> </u>		Total Number of Dom		6 (B)
···	10% = 1	Total Cover		Species Across All Si	.rata:	6 (B)
Sapling/Shrub Stratum (Plot Size: 10' r or	10% -	Iolai Covei		Percent of Dominant	Species	
1. Fraxinus latifolia	20%	Yes	FACW	That Are OBL, FACW	•	100% (A/B)
2. Rosa nutkana	15%	Yes	FAC	Prevalence Index w		(775)
3. Alnus rubra	10%	No	FAC	Total % Cover o		<u> </u>
4. Symphoricarpos albus	5%	No	FACU	OBL species 1	0 x 1 =	10
5. Rubus armeniacus	3%	No	FAC	FACW species 2	20 x 2 =	40
	53% = 7	Total Cover		FAC species 7	3 x 3 =	219
Herb Stratum (Plot Size: 5' r or)				FACU species	5 x 4 =	20
1. Ranunculus repens	20%	Yes	FAC	UPL species (0 x 5 =	0
2. Alopecurus pratensis	15%	Yes	FAC	Column Totals: 10	(A)	289 (B)
3. Carex obnupta	10%	Yes	OBL	Prevalence Index	< = B/A =	<u>2.68</u>
4				Hydrophytic Vegeta	tion Indicators:	
5.				1 - Rapid Test for		getation
6.				X 2 - Dominance Te		
7.				X 3 - Prevalence In		
8.						rovide supporting
9.					rks or on a separ	
10.				5 - Wetland Non-		
11	450/			Problematic Hydria		
Woody Vine Stratum (Plot Size: 10' r or	45% = 7	Total Cover		¹ Indicators of hydric s be present.	oil and wetland i	nyarology must
1.				DO present.		
2.				Hydrophytic		
W.B		Total Cover		Vegetation	Yes X No	
% Bare Ground in Herb Stratum 55%				Present?		
Remarks:				1		

SOIL	_	_		Sampling Point:	1
Profile Description (Describe to the de	epth needed to document the	indicator or confirm the abs		· · · · · · · · · · · · · · · · · · ·	
Depth Matrix		Redox Features			
(inches) Color (moist)	% Color (moist)	% Type ¹	Loc ²	Texture	Remarks
0-5 10YR 3/2	98 7.5YR 4/4	2 C	M	SiL	
5-11 10YR 3/2	95 7.5YR 4/4	5 C	M	SiL	
11-16 10YR 4/1	95 7.5YR 4/4	5 C	M	SiL	
					
'Type: C=Concentration, D=Depletion, R ² Location: PL=Pore Lining, M=Matrix.	:M=Reduced Matrix CS=Covere	ed or Coated Sand Grains.			
Hydric Soil Indicators (Applicable to a	 II LRRs, unless otherwise no	ted):	Indicators for P	roblematic Hydric So	 oils³:
Histosol (A1)	Sandy Redox (S5	•	2 cm Muck (A	•	
Histic Epipedon (A2)	Stripped Matrix (S			Material (TF2)	
Black Histic (A3)		neral (F1) (except MLRA 1)		v Dark Surface (TF12)	
Hydrogen Sulfide (A4)	Loamy Gleyed Ma	, , , , , , , , , , , , , , , , , , , ,	 ′	iin in Remarks)	
X Depleted Below Dark Surface (A11)	Depleted Matrix (I		<u> </u>	•	
Thick Dark Surface (A12)	X Redox Dark Surfa	•	3		
Sandy Mucky Mineral (S1)	Depleted Dark Su	ırface (F7)	,	drophytic vegetation ar be present, unless disti	
Sandy Gleyed Matrix (S4)	Redox Depression	ns (F8)	problematic.	70 process, a.s	
Restrictive Layer (if present):					
Type:			Hydric Soil		
Depth (inches):			Present?	Yes X	No
_					
HYDROLOGY					
Wetland Hydrology Indicators: Primary Indicators (minimum of one requ	ired, check all that apply)		Secondary Indica	ators (2 or more requir	-od)
Surface Water (A1)		eaves (B9) (except MLRA		ed Leaves (B9) (MLRA	
X High Water Table (A2)	1, 2, 4A, and 4l	, , , , ,	4A, and 4E	` , `	. 1, 2,
X Saturation (A3)	Salt Crust (B11)	٥)	Drainage Pat		
Water Marks (B1)	Aquatic Invertebra	ates (B13)		Water Table (C2)	
Sediment Deposits (B2)	Hydrogen Sulfide	` '		isible on Aerial Imager	v (C9)
Drift Deposits (B3)		heres along Living Roots (C3)		Position (D2)	, ()
Algal Mat or Crust (B4)	Presence of Redu	,	Shallow Aqui	, ,	
Iron Deposits (B5)		iction in Tilled Soils (C6)	FAC-Neutral		
Surface Soil Cracks (B6)		ed Plants (D1) (LRR A)		Mounds (D6) (LRR A)	
Inundation Visible on Aerial Imagery		, , , ,		Hummocks (D7)	
Sparsely Vegetated Concave Surfac	e (B8)		<u> </u>		
Field Observations:	-	-	\Box		
Surface Water Present? Yes	No X	Depth (inches):	Wetland		
Water Table Present? Yes	X No	Depth (inches): 9"	Hydrology	Yes X	No
Saturation Present? Yes (includes capillary fringe)	X No	Depth (inches): 12"	Present?		
Describe Recorded Data (stream gaug	ge, monitoring well, aerial pho	otos, previous inspections), i	if available:		
Pomarks:					
Remarks:					
Remarks:					

Are climatic Phydrologic conditions on the aits typical for this time of year? Are Vegetation Sol On Hydrology Interest the state of t	Project/Site: Oregon Street Business F	Park	City/County: Sherwood / Washington Sampling Da				: 3/8/2	2021
Landform (Milescon, terrace, etc): Coestrope Local Peter (concave, correct, control): Convex Stope (%): 3-5%	Applicant/Owner: Oregon Street Busines	ss Park, LLC			State: OR	Sampling	Point:	2
Subregion (LRRY: A horitowest Forests and Cosest	Investigator(s): Stacey Reed, PWS and S	Sonya Templeton	Section	, Township, Ran	ge: Sec. 28, T.2S., R.1W	., W.M.		
Soli Map Inthi Name	Landform (hillslope, terrace, etc.): Toes	slope		Local relief (c	concave, convex, none):	Convex	Slope (%):	3-5%
Are climatic / hydrologic conditions on the site bytocal for this time of year? Are Vegetation Soll of his time of year? Are Vegetation Soll of his time of year? Are Vegetation Soll of his time of year anturally problematic? SUMMARY OF FINDINGS — Attach site map showing sampling point locations, transacts, important features, etc. Hydrologive Vegetation Present? Yes No X within a Wetlandry Yes No X Within a Wetlandry Yes No X Within a Wetlandry Yes No X Within a Wetlandry Yes No X Wetland Hydrology Present? Ves No X within a Wetlandry Yes No X Precipitation: According to the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of and 1.02 inches within the two weeks prior. Remarks: VEGETATION Absolute Dominant Indicator Tree Stratum (Plot Size: 30' ror) % Coset Species Specie	Subregion (LRR): A. Northwest Forests a	and Coast	_at: 45.360746	Lo	ng: -122.822961	Datum	:	
Auto-Vegetation Soil of Hydrology significantly disturbed? Are Normal Circumstances present? Yos X No X Vegetation (Fine Vegetation Soul of Hydrology) and Phytocology (Fine Medice, explain any answers in Research Sould Not Vegetation (Fine Medice, explain any answers in Research Sould Not Vegetation (Fine Medice, explain any answers in Research Sould Not Vegetation) (Present Sould Not Vegetation) (Present Sould Not Vegetation) (Present Stratum (Plot Size: 30' tor 1) Section (Present Stratum (Plot Size: 10' tor 1) Section		, ,,		•				
Summary OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophyliv Vegetation Present? Yes	, ,	* *	•					
Summary OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophyliv Vegetation Present? Yes	Are Vegetation, Soil	, or Hydrology	significantly di	Isturbed? A		•		No
Hydrocypic Vegetation Present? Yes							•	
Second Present? Yes				oint location	is, transects, impoi	tant features	s, etc.	
Welland Hydrology Present? Yes	• • •			Is the Samp	led Area			
Total Number of Dominant Species Total Cover				-	tland?	No	v	
VEGETATION	Precipitation:			n the day of and				
Absolute Dominant Indicator Species Species Status Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)	Remarks:							
Absolute Dominant Indicator Species Species Status Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)								
Absolute Dominant Indicator Species Species Status Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)								
Absolute Dominant Indicator Species Status Number of Dominant Species Status	VEGETATION							
Number of Dominant Species	VEGETATION	Absolute	Dominant	Indicator	Dominance Test wo	rksheet:		
Populus balsamifora	Tree Stratum (Plot Size: 30' r or)							
Total Number of Dominant Species Across All Strata: 5 (B)	 Populus balsamifera 	30%	Yes	FAC	That Are OBL, FACW	, or FAC:	3	(A)
	2.							
Sapling/Shrub Stratum (Plot Size: 10' r or) 20% Yes FACU Percent of Dominant Species That Are OBL, FACW, or FAC: 60% (A/B) Prevalence Index worksheet: Total % Cover of Multiply by: Total % Cover of Multi	3.				Total Number of Dom	inant		
Percent of Dominant Species Percent of Dominant Species That Are OBL, FACW, or FAC: 60% (A/B)	4				Species Across All St	rata:	5	(B)
1. Symphoricarpos aibus 20% Yes FACU That Are OBL, FACW, or FAC: 60% (A/B)		30% =	Total Cover					
1		<u> </u>			Percent of Dominant	Species		
3. Rosa nutkana 10% No FAC 10k No FAC	2 Symphonical pos albus				· ·		<u>60%</u>	(A/B)
10	2							
Section Sect	Nosa Hutkana							-
Herb Stratum (Plot Size: 5' r or) S8	-							
Herb Stratum (Plot Size: 5' r or	Nubus armeniacus			FAC				
1. Carex leptopoda 2. Ranuncultus repens 5	Herb Stratum (Plot Size: 5' r or)		Total Gover					
2. Ranunculus repens 5% Yes FAC Column Totals: 115 (A) 394 (B) 3. Geranium molle 2% No NOL Prevalence Index = B/A = 3.43 4. Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 5. 1 - Rapid Test for Hydrophytic Vegetation 7. 2 - Dominance Test is >50% 7. 3 - Prevalence Index is ≤3.0	Carex leptopoda	20%	Yes	FAC	· —	x 5 =	10	_
Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation								— (B)
1 - Rapid Test for Hydrophytic Vegetation X 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) 5 - Wetland Non-Vascular Plants¹ Problematic Hydrophytic Vegetation (Explain)¹ 11. 27% = Total Cover Indicators of hydric soil and wetland hydrology must be present. Hydrophytic Vegetation Yes X No Present?	3. Geranium molle	2%	No	NOL	Prevalence Index	c = B/A =	3.43	
X 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) 5 - Wetland Non-Vascular Plants¹ Problematic Hydrophytic Vegetation (Explain)¹ 1Indicators of hydric soil and wetland hydrology must be present. Woody Vine Stratum (Plot Size: 10¹ r or) 1. 27% = Total Cover Woody Vine Stratum (Plot Size: 10¹ r or) 1 Hydrophytic Vegetation Yes X No Present? Remarks:	4.				Hydrophytic Vegeta	tion Indicators:		
3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) 5 - Wetland Non-Vascular Plants¹ Problematic Hydrophytic Vegetation (Explain)¹ 11. 27% = Total Cover Woody Vine Stratum (Plot Size: 10' r or) 1. 2.	5.				1 - Rapid Test for	Hydrophytic Ve	getation	
4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) 5 - Wetland Non-Vascular Plants ¹ Problematic Hydrophytic Vegetation (Explain) ¹ Problematic Hydrophytic Vegetation (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present. Hydrophytic Vegetation Yes X No Present? Remarks:	6				X 2 - Dominance Te	est is >50%		
data in Remarks or on a separate sheet) 5 - Wetland Non-Vascular Plants Problematic Hydrophytic Vegetation (Explain) 1 Indicators of hydric soil and wetland hydrology must be present. Hydrophytic Wegetation Yes X No Present? Remarks:	7							
10		<u> </u>						orting
Problematic Hydrophytic Vegetation (Explain) ¹ 27% = Total Cover Woody Vine Stratum (Plot Size: 10' r or) 1. 2. 1. 4. 4. 4. 4. 4. 4. 4. 4. 4						· · · · · · · · · · · · · · · · · · ·	ate sheet)	
27% = Total Cover Indicators of hydric soil and wetland hydrology must be present. Hydrophytic					<u> </u>		··· /F···· \ 1	1
Woody Vine Stratum (Plot Size: 10' r or) be present.	11.	070/	Total Carrie					
2.			Total Cover		1	oli and welland r	iyarology mi	ısı
% Bare Ground in Herb Stratum 73% Present?			Total Cover			Yes X No		
	% Bare Ground in Herb Stratum7				_			
Bare ground covered by leaf litter.	Remarks:							
	Bare ground covered by leaf litter.							

SOIL							Sampling Point:	2
Profile Description	on (Describe to t	he depth nee	eded to document	the indicator or ce	onfirm the abse	ence of indicators):	
Depth	Matri	ix	<u> </u>	Redox Fe	eatures			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-16	10YR 3/2	100					SiL	
			<u> </u>	<u> </u>				-
				<u> </u>				-
			<u> </u>	<u> </u>				-
		-	-					
			-	-				
			-					
			uced Matrix CS=Cov	vered or Coated Sa	and Grains.			
Location: PL=Pore								3
-	itors (Applicable	to all LKKS,	unless otherwise	•			Problematic Hydric S	oils":
Histosol (A1)	(AO)		Sandy Redox (2 cm Muck	` ,	
Histic Epipedo	. ,		Stripped Matrix	x (S6) Mineral (F1) (exce	nt MLDA 1\		Material (TF2)	
Black Histic (A Hydrogen Sulfi	•		Loamy Gleyed	. , ,	pt wilka 1)		w Dark Surface (TF12) ain in Remarks)	!
	ow Dark Surface (A	Δ11)	Depleted Matri	, ,		Other (Expire	ani ni Nemarka)	
Thick Dark Sur	•	,	Redox Dark Su	• /				
Sandy Mucky I	. ,		Depleted Dark	, ,		•	/drophytic vegetation a be present, unless dist	
Sandy Gleyed Matrix (S4) Redox Depressions (F8)						problematic.	be present, unless dis	urbed of
Restrictive Layer	(if present):		<u></u>					
Type:						Hydric Soil		
Depth (inches):						Present?	Yes	No X
Remarks:								
romano.								
								
HYDROLOGY								
Wetland Hydrolog								
Primary Indicators	•	required; che		_		·	cators (2 or more requi	
Surface Water				Leaves (B9) (exce	pt MLRA		ned Leaves (B9) (MLRA	A 1, 2,
High Water Ta	` '		1, 2, 4A, and	,		4A, and 4	•	
Saturation (A3) Water Marks (I	•		Salt Crust (B1	•			atterns (B10)	
Sediment Depo	• •		Aquatic Inverte	, ,			ı Water Table (C2) √isible on Aerial Image	n/ (CQ)
Drift Deposits (, ,		<u> </u>	ospheres along Livi	ing Roots (C3)		c Position (D2)	ry (C 3)
Algal Mat or C	` '			educed Iron (C4)	g (00)	Shallow Aqu	• •	
Iron Deposits (, ,			eduction in Tilled S	oils (C6)	FAC-Neutra	, ,	
Surface Soil C	• ,			essed Plants (D1) (, ,		Mounds (D6) (LRR A)	
	sible on Aerial Ima	igery (B7)	Other (Explain	, , ,	,		e Hummocks (D7)	
Sparsely Vege	etated Concave Si	urface (B8)						
Field Observation	 1s:							
Surface Water Pre	esent? Yes	;	No X	Depth (inches)):	Wetland		
Water Table Prese	ent? Yes	. X	No	Depth (inches)): 15"	Hydrology	Yes	No X
Saturation Present	nt? Yes	X	No	Depth (inches)): 13"	Present?	·	
(includes capillary	fringe)							
Describe Record	ed Data (stream	gauge, mon	itoring well, aerial	photos, previous	inspections). if	available:		
	(11)	33 .,	3 , , , , ,	, , <u>, ,</u>	,,			
Remarks:								
Pit was left open fo	or approximately 2	! hours.						

Vecidation Provided Provide	Project/Site: Oregon Street Business P	'ark	City/Count	ty: Sherwood / V	Vashington	Sampling Date	: 3/8/2	2021
June Description (Pilot Size Description of the Stratum (Pilot Size 30 core) \$ Score \$ Section (1.00 core) \$ Sec	Applicant/Owner: Oregon Street Busines	s Park, LLC			State: OR			
Subsequent (LIRR): A Northwest Forests and Coast	Investigator(s): Stacey Reed, PWS and S	onya Templeton	Section	, Township, Ran	ge: Sec. 28, T.2S., R.1W	., W.M.	'	
Sold Map (Init Name Briedwell story at Ibam. (Unit SB), 0% to 7% alopas, Non-hydroic None No	Landform (hillslope, terrace, etc.): Toes	lope		Local relief (c	oncave, convex, none):	Convex	Slope (%):	<3%
Vec climator Nydrologic conditions on the site kyloridation of the site of year? Yes X No	Subregion (LRR): A. Northwest Forests a	nd Coast L	at: 45.360853	Lo	ng: <u>-122.822879</u>	Datum	ı:	
Veropetation Soil Or Phydrology Significantly disturbed? Are Normal Circumstances present? Yes X No Veropetation Soil Or Phydrology State St		, ,	•	on-hydric				
SUMMARY OF FINDINGS — Attach site map showing sampling point locations, transects, important features, etc. Hydrotypic Vegetation Present? Yes	, ,	* .	•					
SUMMARY OF FINDINGS — Attach site map showing sampling point locations, transects, important features, etc. Hydrotypic Vegetation Present? Yes	Are Vegetation, Soil	, or Hydrology	significantly di	isturbed? A		•		No
Page							,	
No				oint location	is, transects, impoi	rtant features	s, etc.	
Welland Hydrology Present? Yes	· · · ·			Is the Samn	led Area			
Total Number of Dominant Species Total Cover		· 		-	tland?	N	v	
VEGETATION Absolute Dominant Indicator Species Status Number of Dominant Species Status Species Sp	, 0,	res	NO X	1	res	NO		
Absolute Dominant Indicator Statum (Plot Size: 30' r or)	Precipitation: According to the NWS Hillshoro weather s	tation 0.01 inches of rainf	all was received o	n the day of and	1 02 inches within the tw	o weeks prior		
Absolute Dominant Indicator Statum (Plot Size: 30' r or % Cover Species? Status Status Number of Dominant Species Status Status Species Status S	According to the IVVO I misboro weather s	tation, 0.01 mones of famili	all was received o	in the day of and	1.02 menes within the two	o weeks prior.		
Absolute	Remarks:							
Absolute								
Absolute								
Absolute	VEGETATION							
Pecudosuga menziesi	TEGETATION	Absolute	Dominant	Indicator	Dominance Test wo	rksheet:		
Pseudotsuga menziesii	Tree Stratum (Plot Size: 30' r or							
Populus balsamilera	· — ·	<u> </u>				•	3	(A)
Total Number of Dominant Species Across All Strata: 5 (B)	2			FAC	, ,			()
Sapling/Shrub Stratum (Plot Size: 10' r or) 30%	3.				Total Number of Dom	inant		
Percent of Dominant Species Percent of Dominant Species That Are OBL, FACW, or FAC: 60% (A/B)	4.				Species Across All St	rata:	5	(B)
Rubus armeniacus 20% Yes FAC That Are OBL, FACW, or FAC: 80% (A/B)		30% =	Total Cover					. ,
15% Yes FAC Prevalence Index worksheet: Total % Cover of: Multiply by: Total % Cover of: Total % Cover of: Average of	Sapling/Shrub Stratum (Plot Size: 10' r or	<u> </u>			Percent of Dominant	Species		
Physical pulsarians	1. Rubus armeniacus	20%	Yes	FAC	That Are OBL, FACW	/, or FAC:	<u>60%</u>	(A/B)
1.	2. Crataegus monogyna	15%	Yes	FAC	Prevalence Index we	orksheet:		
Some content of the	3. Physocarpus capitatus	5%	No	FACW	Total % Cover o	f: Multiply by:		-
FAC species 45	4. Ilex aquifolium	5%	No	FACU	OBL species (x 1 =	0	
FACU species 30	5. Oemleria cerasiformis	5%	No	FACU		x 2 =	10	
Tellima grandiflora 20% Yes FACU UPL species 0 x 5 = 0		50% =	Total Cover		· ·			
Column Totals: 80 (A) 265 (B)					· -			
Prevalence Index = B/A = 3.31 Hydrophytic Vegetation Indicators:		20%	Yes	FACU	· · · · · · · · · · · · · · · · · · ·			(D)
Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation X 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) 5 - Wetland Non-Vascular Plants¹ Problematic Hydrophytic Vegetation (Explain)¹ Indicators of hydric soil and wetland hydrology must be present. Hydrophytic Vegetation Yes X No Present?	2.					` ′		— (B)
1 - Rapid Test for Hydrophytic Vegetation X 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) 5 - Wetland Non-Vascular Plants¹ Problematic Hydrophytic Vegetation (Explain)¹ 11. 20% = Total Cover Indicators of hydric soil and wetland hydrology must be present. Hydrophytic Vegetation Yes X No Present?			-				<u>3.31</u>	
X 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) 5 - Wetland Non-Vascular Plants¹ Problematic Hydrophytic Vegetation (Explain)¹ 1Indicators of hydric soil and wetland hydrology must be present. Noody Vine Stratum (Plot Size: 10¹ r or) 1.	4 5.						retation	
3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) 5 - Wetland Non-Vascular Plants¹ Problematic Hydrophytic Vegetation (Explain)¹ 1 Indicators of hydric soil and wetland hydrology must be present. Woody Vine Stratum (Plot Size: 10' r or)	6.				· ·	, , ,	gotation	
4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) 5 - Wetland Non-Vascular Plants ¹ Problematic Hydrophytic Vegetation (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present. Hydrophytic Wegetation Yes X No Present? Remarks:	7.							
data in Remarks or on a separate sheet) 5 - Wetland Non-Vascular Plants 1 Problematic Hydrophytic Vegetation (Explain) 1 Indicators of hydric soil and wetland hydrology must be present. Hydrophytic Vegetation Yes X No Present? Remarks:	8.				—		rovide suppo	ortina
5 - Wetland Non-Vascular Plants 1 Problematic Hydrophytic Vegetation (Explain) 1 Indicators of hydric soil and wetland hydrology must be present. Hydrophytic Vegetation Yes X No Present? 5 - Wetland Non-Vascular Plants 1 Problematic Hydrophytic Vegetation (Explain) 1 Indicators of hydric soil and wetland hydrology must be present. Hydrophytic Vegetation Yes X No Present?	9.							9
20% = Total Cover Indicators of hydric soil and wetland hydrology must be present.	10.						,	
Noody Vine Stratum (Plot Size: 10' r or)	11.				Problematic Hydr	ophytic Vegetation	on (Explain)¹	l
Hydrophytic		20% =	Total Cover		¹ Indicators of hydric s	oil and wetland h	nydrology mu	ıst
Hydrophytic 0% = Total Cover Vegetation Yes X No Present?	Woody Vine Stratum (Plot Size: 10' r or				be present.		-	
0% = Total Cover Wegetation Yes X No Present? Remarks:					Hydronby#ic			
% Bare Ground in Herb Stratum 80% Present?	2		Total Cover		* * *	Yes X No.		
Remarks:	% Bare Ground in Herb Stratum 8		i otai ouvei		-			
pare ground covered by real filter.								
	Date ground covered by lear litter.							

SOIL							Sampling Point:	3
Profile Descript	tion (Describe to th	ne depth nee	ded to document f	the indicator or confire	m the absence	ce of indicators	•	
Depth	Matrix	X		Redox Feature	es			
(inches)	Color (moist)	%	Color (moist)	% 1	Type ¹	Loc ²	Texture	Remarks
0-16	10YR 3/2	100	,				SiL	
			,					
				- — —				
				· ——— —				
				- —— —				-
1 C-Conco		DM-Podu	Matrix CS-Col	Cooted Sand C				-
	entration, D=Depletion ore Lining, M=Matrix		Ced Marix Co-Cov	vered or Coated Sand G	irains.			
	cators (Applicable		unless otherwise	noted):		Indicators for	Problematic Hydric S	Soils ³ :
Histosol (A1))		Sandy Redox ((S5)		2 cm Muck	(A10)	
Histic Epiped	•	=	Stripped Matrix	• •	•		: Material (TF2)	
Black Histic (, ,	-		Mineral (F1) (except ML	LRA 1)		w Dark Surface (TF12	2)
Hydrogen Su	` '		Loamy Gleyed				ain in Remarks)	•
Depleted Bel	low Dark Surface (A	- 11)	Depleted Matri	ix (F3)	•			
Thick Dark S	Surface (A12)	•	Redox Dark Su	urface (F6)		31	I to die vergetetien .	المساط
Sandy Mucky	y Mineral (S1)		Depleted Dark	. Surface (F7)			ydrophytic vegetation a be present, unless dis	
Sandy Gleye	ed Matrix (S4)		Redox Depress	sions (F8)		problematic.	20 p ,	
Restrictive Layer	er (if present):							
Туре	ə:					Hydric Soil		
Depth (inches):	:					Present?	Yes	No X
Remarks:					I			
: 3: 20								
HYDROLOGY								
Wetland Hydrolo								
	rs (minimum of one i	required; chec	* *	_			cators (2 or more requ	 -
Surface Wate	` ,	•		Leaves (B9) (except MI	LRA		ned Leaves (B9) (MLR	A 1, 2,
High Water T			1, 2, 4A, and			4A, and 4	,	
Saturation (A	,	•	Salt Crust (B11	·			atterns (B10)	
Water Marks	• •	•	Aquatic Inverte	` ,			n Water Table (C2)	
Sediment De			Hydrogen Sulfi	` ,			Visible on Aerial Image	∍ry (C9)
Drift Deposits	` '			ospheres along Living R	toots (C3)		c Position (D2)	
Algal Mat or (` ,	-		educed Iron (C4)		Shallow Aq	` ,	
Iron Deposits	` '	-		eduction in Tilled Soils (` ′	FAC-Neutra	, ,	
Surface Soil (, ,	(07)		essed Plants (D1) (LRR	A)		Mounds (D6) (LRR A)	1
_	isible on Aerial Imag		Other (Explain	in Remarks)		Frost-Heav	e Hummocks (D7)	
	getated Concave Su	ırface (во)				.		
Field Observatio								
Surface Water Pr				Depth (inches):		Wetland		
Water Table Pres		·		·	>16"	Hydrology	Yes	No X
Saturation Prese (includes capillar			. NoX	Depth (inches):	>16"	Present?		
Describe Pacer	1-1 Deta /otroam	·····a monit	·	photos, previous inspe	·tiamo\ if a	- Hables		
Describe Record	ded Data (Stream ;	gauge, mom	Oring Well, aeriai į	pnotos, previous ilispe	ections), ii av	Valiable:		
Remarks:								
ĺ								

Project/Site: Oregon Street Business Parl	City/Count	ty: Sherwood / W	/ Washington Sampling Date: 3/8/2021			
Applicant/Owner: Oregon Street Business F	Park, LLC			State: OR	Sampling	Point: 4
Investigator(s): Stacey Reed, PWS and Son	ya Templeton	Section,	, Township, Rang	ge: Sec. 28, T.2S., R.1W	., W.M.	
Landform (hillslope, terrace, etc.): Toeslop	e		Local relief (c	oncave, convex, none):	Concave	Slope (%): <3%
Subregion (LRR): A. Northwest Forests and	Coast L	at: 45.361013	Loi	ng: -122.823162	Datum	
· · · · · · · · · · · · · · · · · · ·	silt Ioam, (Unit 5B), 0%				lassification:	
Are climatic / hydrologic conditions on the site		•		es X No	`	ain in Remarks)
Are Vegetation, Soil Are Vegetation , Soil				re "Normal Circumstance If needed, explain any an	•	Yes X No
						ŕ
SUMMARY OF FINDINGS - Attac			oint location	is, transects, impoi	rtant features	s, etc.
Hydrophytic Vegetation Present?		No	Is the Samp	led Δrea		
Hydric Soil Present?		No	within a Wet	Hand?	/ N-	
Wetland Hydrology Present?	Yes X	No		Yes Yes	<u> </u>	
Precipitation: According to the NWS Hillsboro weather stati	ion, 0.01 inches of rainfa	all was received o	n the day of and	1.02 inches within the tw	o weeks prior.	
Remarks:						
VEGETATION						
	Absolute	Dominant	Indicator	Dominance Test wo	rksheet:	
Tree Stratum (Plot Size: 30' r or)	% Cover	Species?	<u>Status</u>	Number of Dominant		
1.		-		That Are OBL, FACW		2 (A)
2.				·		` ` `
3.	<u> </u>			Total Number of Dom	inant	
4.				Species Across All St	trata:	2 (B)
	0% =	Total Cover				<u> </u>
Sapling/Shrub Stratum (Plot Size: 10' r or	<u>)</u>			Percent of Dominant	Species	
1			-	That Are OBL, FACW	/, or FAC:	<u>100%</u> (A/B)
2				Prevalence Index we		
3				Total % Cover o	f: Multiply by:	<u>: </u>
4.					x 1 =	0
5.				· · · · · · · · · · · · · · · · · · ·	x 2 =	0
Harb Stratum (Dlat Sizo: 5' r or	= 0%	Total Cover			5 x 3 =	255
Herb Stratum (Plot Size: 5' r or)	500/		540	· · · —	x 4 =	8
Alopecurus pratensis Ranunculus repens	50%	Yes	FAC	UPL species (0 263 (B)
Ranunculus repens Rumex crispus		Yes No	FAC FAC	Prevalence Index		3.02
4. Trifolium repens	2%	No	FAC	Hydrophytic Vegeta		<u>0.02</u>
5. Plantago lanceolata	2%	No	FACU	1 - Rapid Test for		getation
6.	270	110	17.00	X 2 - Dominance Te		9
7.				3 - Prevalence In	dex is ≤3.0 ¹	
8.				4 - Morphological		rovide supporting
9.	<u> </u>				ks or on a separ	· · · · · ·
10.				5 - Wetland Non-		
11.		·		Problematic Hydr	ophytic Vegetation	on (Explain) ¹
Woody Vine Stratum (Plot Size: 10' r or	87% =	Total Cover		¹ Indicators of hydric s be present.	oil and wetland h	nydrology must
1.	/_			25 p. 000111.		
2.				Hydrophytic		
% Bare Ground in Herb Stratum13%		Total Cover		Vegetation Present?	Yes X No	
Remarks:				<u> </u>		

SOIL							Sampling Point:	4
Profile Descrip	otion (Describe to	the depth nee	eded to document th	ne indicator or	confirm the abse	ence of indicators	s):	
Depth	M <i>a</i>	atrix		Redox	Features			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-10	10YR 3/2	95	7.5YR 4/4	5	С	M	SiL	
10-16	10YR 4/1	95	7.5YR 4/4	5	С	M	SiCL	
								
<u> </u>								
			uced Matrix CS=Cove	ered or Coated ?	Sand Grains.			
	Pore Lining, M=Ma							
Hydric Soil Indi	icators (Applicab	le to all LRRs,	unless otherwise n	oted):		Indicators for	Problematic Hydric Sc	oils ³ :
Histosol (A1	1)		Sandy Redox (S	35)		2 cm Muck	(A10)	
Histic Epipe	` ,	1	Stripped Matrix	(S6)			t Material (TF2)	
Black Histic	` ,	1	Loamy Mucky M	, , ,	ept MLRA 1)		ow Dark Surface (TF12)	ı
Hydrogen S	` ,	1	Loamy Gleyed N	` '		Other (Exp	olain in Remarks)	
·	elow Dark Surface	(A11)	X Depleted Matrix	` '				
	Surface (A12)		X Redox Dark Sur			³ Indicators of h	nydrophytic vegetation a	nd wetland
Sandy Mucky Mineral (S1) Depleted Dark Surface (F7)						hydrology must	t be present, unless dist	
Sandy Gleye	ved Matrix (S4)		Redox Depressi	ions (F8)		problematic.		
Restrictive Laye	er (if present):							
Тур	oe:					Hydric Soil		
Depth (inches)):	_				Present?	Yes X	No
Remarks:								
ĺ								
HYDROLOG	Y							
	logy Indicators:							
_	ors (minimum of on	ne required; che	ck all that apply)			Secondary Indi	icators (2 or more requir	red)
Surface Wat	•		Water-Stained L	eaves (B9) (ex	cent MLRA	· ·	ned Leaves (B9) (MLRA	
X High Water	` '	-	1, 2, 4A, and		Jopt M.L. S.	4A, and	` ',	. 1, 2,
X Saturation (A			Salt Crust (B11)				Patterns (B10)	
Water Marks	. ,	-	Aquatic Inverteb	•			n Water Table (C2)	
	Deposits (B2)	-	Hydrogen Sulfid	` ,		 -	Visible on Aerial Imager	rv (C9)
Drift Deposit	. ,	-	, ,	` '	iving Roots (C3)		ic Position (D2)	y (30)
Algal Mat or	, ,	-	Presence of Rec		• , ,		quitard (D3)	
Iron Deposit	, ,	-	Recent Iron Rec	` '			ral Test (D5)	
· ·	il Cracks (B6)	-	Stunted or Stres		` ,		t Mounds (D6) (LRR A)	
	Visible on Aerial Im	nagery (B7)	Other (Explain in	, ,	, , ,		ve Hummocks (D7)	
	egetated Concave	-		,		_	, ,	
Field Observation		-						
Surface Water F		es	No X	Depth (inches	·~ /·	Wetland		
Water Table Pre			No X	Depth (inches		Hydrology	/ Yes X	No
Saturation Prese			No		es): 9 es): Surface	Present?	163	NO
(includes capilla		35	NO	ביים לייור לייור ייים	5). <u>Guriaco</u>	11000		
Describe Reco	rded Data (strear	n gauge, monif	toring well, aerial pl	hotos, previou	s inspections), if	f available:		
3 aulta,								
Remarks: Pit left open appi	vroximately 30 min	utes Hvdrology	supported by upslop	ne hillside spring	ď			
Fittort op	TOAIII GEO.	dies. 11, 2	supported,	Jo miorac .	j .			

Project/Site: Oregon Street Business Park				City/County: Sherwood / Washington Sampling Date: 3/8/2021					2021
Applicant/Owner	: Oregon Street E	Business Park, LLC			·	State: OR	Sampling	Point:	5
Investigator(s):	Stacey Reed, PWS	and Sonya Temp	leton	Section,	Township, Ran	ge: Sec. 28, T.2S., R.1W.	, W.M.	'	
Landform (hillslo	pe, terrace, etc.):	Toeslope			Local relief (d	concave, convex, none):	Convex	Slope (%):	<3%
Subregion (LRR)): A. Northwest Fo	rests and Coast		Lat: 45.361064	Lo	ong: -122.823162	Datum	n:	
Soil Map Unit Na			, ,	0% to 7% slopes; No	n-hydric		assification:	None	
•	drologic conditions			•		es X No		ain in Remar	
Are Vegetation Are Vegetation	, Soil	, or	Hydrology	significantly di	sturbed? /	Are "Normal Circumstance If needed, explain any ans	•	Yes X	No
ū								,	
			•		oint locatioi	ns, transects, impor	tant features	s, etc.	
	getation Present?	Yes		No	Is the Samp	aled Δrea			
Hydric Soil Pres Wetland Hydrolo		Yes		No X	within a We		No	v	
Precipitation:			inches of ra		n the day of and	1 1.02 inches within the two			
Remarks:									
ı									
VEGETATIO	N								
			Absolute	Dominant	Indicator	Dominance Test wo	ksheet:		
•	lot Size: 30' r or)	% Cover	Species?	<u>Status</u>	Number of Dominant	Species		
1. Acer macro	ohyllum		15%	Yes	FACU	That Are OBL, FACW	, or FAC:	3	(A)
2.									
3. 4.						Total Number of Dom			
4. 			450/	 		Species Across All St	rata:	4	(B)
Sanling/Shrub S	tratum (Plot Size:	10' r or)	15%	= Total Cover		Percent of Dominant	Phonion		
1.	tratum (Flot Olze.	<u> 10 1 01 </u>				That Are OBL, FACW	•	<u>75%</u>	(A/B)
2.						Prevalence Index wo		<u> </u>	(A/D)
3.				·		Total % Cover of			_
4.			-			OBL species 0	x 1 =	0	
5.						FACW species 0	x 2 =	0	
			0%	= Total Cover	· <u> </u>	FAC species 9;	x 3 =	279	
Herb Stratum (F	Plot Size: 5' r or)				FACU species 10	x 4 =	40	
1. Poa species	3		40%	Yes	FAC*	UPL species 0	x 5 =	0	
2. Alopecurus	pratensis		30%	Yes	FAC	Column Totals: 10	· /	319	(B)
Agrostis spe	ecies		20%	Yes	FAC*	Prevalence Index		<u>3.10</u>	
4. <u>Plantago lar</u>			5%	No	FACU	Hydrophytic Vegetat			
5. <u>Taraxacum</u>			5%	No	FACU	1 - Rapid Test for		getation	
6. <u>Trifolium rep</u> 7.	oens		3%	No	FAC	X 2 - Dominance Te			
8.				·		3 - Prevalence Ind 4 - Morphological		rovido aunho	ortina
9.			-	· —			ks or on a separa		July
10.						5 - Wetland Non-	•	5561,	
11.						Problematic Hydro		on (Explain) ¹	ı
Woody Vine Stra	atum (Plot Size: 10'	r or)_	103%	= Total Cover		¹ Indicators of hydric s be present.			
1. 2. Bare Ground i	in Herb Stratum	0%	0%	= Total Cover		Hydrophytic Vegetation Present?	Yes X No		
Remarks: *Assumed FAC.	In Herb Stratum	0%	-			Present?			

OIL										
· ·	•	-	ed to document the			ence of indicator	rs):			
Depth	Matrix				Features 1	. 2				
(inches)	Color (moist)	%	Color (moist)	<u> </u>	Type ¹	Loc ²	Texture	Remarks		
0-9	10YR 3/2	95	7.5YR 4/6	5	<u> </u>	M	SiL			
9-16	10YR 4/1	90	7.5YR 4/6	10	C	M	SiCL			
	· ·		ed Matrix CS=Cover	ed or Coated S	Sand Grains.					
	re Lining, M=Matrix.		nless otherwise no	oted):		Indicators for	Problematic Hydric S	Soils ³ ·		
Histosol (A1)		.,.	Sandy Redox (S	•		2 cm Muc	•			
Histic Epipedo	on (A2)	_	Stripped Matrix (•			nt Material (TF2)			
Black Histic (A	` '	_	Loamy Mucky Mi	,	ent MI RA 1)		low Dark Surface (TF12)		
Hydrogen Sul	•	<u>-</u>	Loamy Gleyed M	, , ,	opt will or 1)		olain in Remarks)	-)		
Depleted Belo	ow Dark Surface (A1	11) <u> </u>	X Depleted Matrix ((F3)						
Thick Dark Su	ırface (A12)	<u>_</u>	X_Redox Dark Surf	ace (F6)		3Indicators of	hydrophytic vegetation	and wetland		
Sandy Mucky	Mineral (S1)	_	Depleted Dark Si	urface (F7)			nydropnylic vegelalion a st be present, unless dis			
_Sandy Gleyed	Matrix (S4)		Redox Depression	ons (F8)		problematic.				
estrictive Layer	(if present):									
Type:				Hydric Soil						
Type:										
Depth (inches):	lict.					Present?	Yes X	No		
Depth (inches): emarks: edox appears rel						Present?	Yes X	No		
Depth (inches): emarks: edox appears rel IYDROLOGY //etland Hydrological		equired; check	(all that apply)				Yes X			
Depth (inches): emarks: edox appears rel YDROLOGY fetland Hydrologimary Indicators	gy Indicators: (minimum of one re	equired; check		- eaves (B9) (exc	cept MLRA	Secondary Inc	licators (2 or more requ	uired)		
Depth (inches): emarks: edox appears rel YDROLOGY /etland Hydrologimary Indicators _ Surface Wate	gy Indicators: (minimum of one re	equired; check	Water-Stained Le	, , ,	cept MLRA	Secondary IncWater-Sta	dicators (2 or more required Leaves (B9) (MLR	uired)		
Depth (inches): emarks: edox appears rel YDROLOGY fetland Hydrologimary Indicators Surface Wate High Water Ta	gy Indicators: (minimum of one re	equired; check	Water-Stained Le	, , ,	cept MLRA	Secondary Inc Water-Sta 4A, and	dicators (2 or more required Leaves (B9) (MLR	uired)		
Depth (inches): emarks: edox appears rel YDROLOGY /etland Hydrologimary IndicatorsSurface Wate	gy Indicators: (minimum of one re r (A1) able (A2)	equired; check	Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11)	В)	cept MLRA	Secondary Inc Water-Sta 4A, and Drainage	dicators (2 or more required Leaves (B9) (MLR 14B) Patterns (B10)	uired)		
Depth (inches): emarks: edox appears rel EYDROLOGY Vetland Hydrologimary Indicators Surface Wate High Water Ta Saturation (A.5)	gy Indicators: (minimum of one re r (A1) able (A2) 3) (B1)	equired; check	Water-Stained Le	eates (B13)	cept MLRA	Secondary Inc Water-Sta 4A, and Drainage Dry-Seaso	dicators (2 or more required Leaves (B9) (MLR	<u>nired)</u> A 1, 2,		
Pepth (inches): emarks: edox appears releaded appears re	gy Indicators: (minimum of one re r (A1) able (A2) 3) (B1) posits (B2)	equired; check 	Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebr	rates (B13) e Odor (C1)		Secondary Inc Water-Sta 4A, and Drainage Dry-Seaso Saturation	dicators (2 or more requ ined Leaves (B9) (MLR 4B) Patterns (B10) on Water Table (C2)	<u>nired)</u> A 1, 2,		
Depth (inches): emarks: edox appears rel IYDROLOGY /etland Hydrologrimary Indicators Surface Wate High Water Ta Saturation (AS Water Marks of Sediment Dep	gy Indicators: (minimum of one re r (A1) able (A2) 3) (B1) posits (B2) (B3)	equired; check	Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebr Hydrogen Sulfide	rates (B13) Production	iving Roots (C3)	Secondary Inc Water-Sta 4A, and Drainage Dry-Seasc Saturation Geomorph	dicators (2 or more requi ined Leaves (B9) (MLR 1 4B) Patterns (B10) on Water Table (C2) I Visible on Aerial Image	<u>nired)</u> A 1, 2,		
Depth (inches): emarks: edox appears rel IYDROLOGY /etland Hydrolog rimary Indicators Surface Wate High Water Ta Saturation (AC Water Marks Sediment Deposits	gy Indicators: (minimum of one record (A1) able (A2) 3) (B1) cosits (B2) (B3) Crust (B4)	equired; check	Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebr Hydrogen Sulfide Oxidized Rhizosp	rates (B13) c Odor (C1) oheres along Li uced Iron (C4)	iving Roots (C3)	Secondary Inc Water-Sta 4A, and Drainage Dry-Sease Saturation Geomorph Shallow A	dicators (2 or more required Leaves (B9) (MLR 4B) Patterns (B10) on Water Table (C2) Visible on Aerial Imagenic Position (D2)	<u>nired)</u> A 1, 2,		
Depth (inches): emarks: edox appears rel IYDROLOGY /etland Hydrologen arm Indicators Surface Wate High Water Ta Saturation (AC) Water Marks (Sediment Deposits Algal Mat or C	gy Indicators: (minimum of one record (A1) able (A2) 3) (B1) cosits (B2) (B3) Crust (B4) (B5)	equired; check	Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebr Hydrogen Sulfide Oxidized Rhizosp Presence of Red	rates (B13) c Odor (C1) cheres along Li uced Iron (C4) uction in Tilled	iving Roots (C3) Soils (C6)	Secondary Inc Water-Sta 4A, and Drainage Dry-Sease Saturation Geomorph Shallow A FAC-Neut	dicators (2 or more required Leaves (B9) (MLR 4B) Patterns (B10) on Water Table (C2) Visible on Aerial Image inc Position (D2) quitard (D3)	nired) A 1, 2, ery (C9)		
Depth (inches): emarks: edox appears rel EYDROLOGY Vetland Hydrology imary Indicators Surface Wate High Water Ta Saturation (AS Water Marks of Sediment Deposits Algal Mat or Color Iron Deposits Surface Soil Color	gy Indicators: (minimum of one record (A1) able (A2) 3) (B1) cosits (B2) (B3) Crust (B4) (B5)	- - - - -	Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebr Hydrogen Sulfide Oxidized Rhizosp Presence of Red Recent Iron Redu	rates (B13) c Odor (C1) cheres along Li uced Iron (C4) uction in Tilled 3 sed Plants (D1)	iving Roots (C3) Soils (C6)	Secondary Inc Water-Sta 4A, and Drainage Dry-Sease Saturation Geomorph Shallow A FAC-Neut Raised Ar	dicators (2 or more required Leaves (B9) (MLR 4B) Patterns (B10) on Water Table (C2) Visible on Aerial Image in Position (D2) quitard (D3) ral Test (D5)	nired) A 1, 2, ery (C9)		
Popth (inches): Popth	gy Indicators: (minimum of one re r (A1) able (A2) 3) (B1) cosits (B2) (B3) Crust (B4) (B5) Cracks (B6)		Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebr Hydrogen Sulfide Oxidized Rhizosp Presence of Red Recent Iron Redu	rates (B13) c Odor (C1) cheres along Li uced Iron (C4) uction in Tilled 3 sed Plants (D1)	iving Roots (C3) Soils (C6)	Secondary Inc Water-Sta 4A, and Drainage Dry-Sease Saturation Geomorph Shallow A FAC-Neut Raised Ar	dicators (2 or more required Leaves (B9) (MLR 4B) Patterns (B10) on Water Table (C2) Visible on Aerial Imagenic Position (D2) quitard (D3) ral Test (D5)	nired) A 1, 2, ery (C9)		
Depth (inches): emarks: edox appears rel IYDROLOGY /etland Hydrologetimary Indicators Surface Wate High Water Ta Saturation (AS Water Marks of Sediment Deposits Algal Mat or Color Iron Deposits Surface Soil Color Inundation Vis Sparsely Vego	gy Indicators: (minimum of one record (A1) able (A2) 3) (B1) cosits (B2) (B3) Crust (B4) (B5) Cracks (B6) sible on Aerial Imagentated Concave Sur		Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebr Hydrogen Sulfide Oxidized Rhizosp Presence of Red Recent Iron Redu Stunted or Stress Other (Explain in	rates (B13) c Odor (C1) cheres along Li uced Iron (C4) uction in Tilled 3 sed Plants (D1)	iving Roots (C3) Soils (C6)	Secondary Inc Water-Sta 4A, and Drainage Dry-Sease Saturation Geomorph Shallow A FAC-Neut Raised Ar	dicators (2 or more required Leaves (B9) (MLR 4B) Patterns (B10) on Water Table (C2) Visible on Aerial Imagenic Position (D2) quitard (D3) ral Test (D5)	nired) A 1, 2, ery (C9)		
Depth (inches): emarks: edox appears rel IYDROLOGY /etland Hydrolog rimary Indicators Surface Wate High Water Ta Saturation (A3 Water Marks Sediment Dep Drift Deposits Algal Mat or C Iron Deposits Surface Soil C Inundation Vis Sparsely Vego ield Observation Surface Water Pro	gy Indicators: (minimum of one record (A1) able (A2) 3) (B1) cosits (B2) (B3) Crust (B4) (B5) Cracks (B6) sible on Aerial Image etated Concave Sures: esent? Yes	ery (B7)	Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebr Hydrogen Sulfide Oxidized Rhizosp Presence of Red Recent Iron Redu Stunted or Stress Other (Explain in	rates (B13) c Odor (C1) cheres along Li uced Iron (C4) uction in Tilled 3 sed Plants (D1)	iving Roots (C3) Soils (C6)) (LRR A)	Secondary Inc Water-Sta 4A, and Drainage Dry-Sease Saturation Geomorph Shallow A FAC-Neut Raised Ar	dicators (2 or more required Leaves (B9) (MLR 4B) Patterns (B10) on Water Table (C2) Visible on Aerial Imagenic Position (D2) quitard (D3) ral Test (D5)	nired) A 1, 2, ery (C9)		
Depth (inches): emarks: edox appears rel IYDROLOGY /etland Hydrolog rimary Indicators Surface Wate High Water Ta Saturation (A3 Water Marks Sediment Dep Drift Deposits Algal Mat or C Iron Deposits Surface Soil C Inundation Vis Sparsely Vego ield Observation Surface Water Pro	gy Indicators: (minimum of one record (A1) able (A2) B) (B1) posits (B2) (B3) Crust (B4) (B5) Cracks (B6) sible on Aerial Image etated Concave Sures: esent? Yes_ent? Yes_ent?	ery (B7)	Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebr Hydrogen Sulfide Oxidized Rhizosp Presence of Red Recent Iron Redu Stunted or Stress Other (Explain in	rates (B13) c Odor (C1) cheres along Li cuced Iron (C4) cuction in Tilled 3 sed Plants (D1) Remarks)	iving Roots (C3) Soils (C6) (LRR A)	Secondary Inc Water-Sta 4A, and Drainage Dry-Seasc Saturation Geomorph Shallow A FAC-Neut Raised Ar Frost-Hea	dicators (2 or more required Leaves (B9) (MLR 4B) Patterns (B10) on Water Table (C2) Visible on Aerial Imagenic Position (D2) quitard (D3) ral Test (D5) of Mounds (D6) (LRR A) ve Hummocks (D7)	nired) A 1, 2, ery (C9)		
Depth (inches): Itemarks: Itedox appears related to appears related t	gy Indicators: (minimum of one record (A1) able (A2) able (A2) (B3) (B1) cosits (B2) (B3) Crust (B4) (B5) Cracks (B6) sible on Aerial Image etated Concave Surus: esent? yes_ent? Yes_ent? Yes_	ery (B7)	Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebr Hydrogen Sulfide Oxidized Rhizosp Presence of Red Recent Iron Redu Stunted or Stress Other (Explain in	rates (B13) c Odor (C1) cheres along Li uced Iron (C4) uction in Tilled 3 sed Plants (D1) Remarks) Depth (inches	iving Roots (C3) Soils (C6) (LRR A)	Secondary Inc Water-Sta 4A, and Drainage Dry-Seasc Saturation Geomorph Shallow A FAC-Neut Raised Ar Frost-Hea	dicators (2 or more required Leaves (B9) (MLR 4B) Patterns (B10) on Water Table (C2) Visible on Aerial Imagenic Position (D2) quitard (D3) ral Test (D5) of Mounds (D6) (LRR A) ve Hummocks (D7)	nired) (A 1, 2, ery (C9)		
Depth (inches): Image: Inches Image: Inches	gy Indicators: (minimum of one recovery (A1) able (A2) able (A2) able (B1) boosits (B2) (B3) Crust (B4) (B5) Cracks (B6) sible on Aerial Image etated Concave Surens: esent? esent? yes_ent? yes_fringe)	ery (B7)	Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebr Hydrogen Sulfide Oxidized Rhizosp Presence of Red Recent Iron Redu Stunted or Stress Other (Explain in	rates (B13) c Odor (C1) cheres along Li uced Iron (C4) uction in Tilled 3 sed Plants (D1) Remarks) Depth (inches Depth (inches	s):s]:s):s):s):s):s):s]:	Secondary Inc Water-Sta 4A, and Drainage Dry-Sease Saturation Geomorph Shallow A FAC-Neut Raised Ar Frost-Hea Wetland Hydrolog Present?	dicators (2 or more required Leaves (B9) (MLR 4B) Patterns (B10) on Water Table (C2) Visible on Aerial Imagenic Position (D2) quitard (D3) ral Test (D5) of Mounds (D6) (LRR A) ve Hummocks (D7)	nired) (A 1, 2, ery (C9)		
Depth (inches): Itemarks: Itedox appears related to the lead of t	gy Indicators: (minimum of one recovery (A1) able (A2) able (A2) able (B1) boosits (B2) (B3) Crust (B4) (B5) Cracks (B6) sible on Aerial Image etated Concave Surens: esent? esent? yes_ent? yes_fringe)	ery (B7)	Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebr Hydrogen Sulfide Oxidized Rhizosp Presence of Red Recent Iron Redu Stunted or Stress Other (Explain in	rates (B13) c Odor (C1) cheres along Li uced Iron (C4) uction in Tilled 3 sed Plants (D1) Remarks) Depth (inches Depth (inches	s):s]:s):s):s):s):s):s]:	Secondary Inc Water-Sta 4A, and Drainage Dry-Sease Saturation Geomorph Shallow A FAC-Neut Raised Ar Frost-Hea Wetland Hydrolog Present?	dicators (2 or more required Leaves (B9) (MLR 4B) Patterns (B10) on Water Table (C2) Visible on Aerial Imagenic Position (D2) quitard (D3) ral Test (D5) of Mounds (D6) (LRR A) ve Hummocks (D7)	nired) (A 1, 2, ery (C9)		
Depth (inches): Itemarks: Itedox appears related to the lead of t	gy Indicators: (minimum of one record (A1) able (A2) 3) (B1) cosits (B2) (B3) crust (B4) (B5) cracks (B6) sible on Aerial Imagentated Concave Surfactors essent? Yes_ent? Yes_ent? Yes_fringe) led Data (stream gaster)	ery (B7) face (B8)	Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebr Hydrogen Sulfide Oxidized Rhizosp Presence of Red Recent Iron Redu Stunted or Stress Other (Explain in	rates (B13) c Odor (C1) cheres along Li uced Iron (C4) uction in Tilled Sed Plants (D1) Remarks) Depth (inches Depth (inches	s):sinspections), if	Secondary Inc Water-Sta 4A, and Drainage Dry-Sease Saturation Geomorph Shallow A FAC-Neut Raised Ar Frost-Hea Wetland Hydrolog Present?	dicators (2 or more required Leaves (B9) (MLR 4B) Patterns (B10) on Water Table (C2) Visible on Aerial Imagenic Position (D2) quitard (D3) ral Test (D5) of Mounds (D6) (LRR A) ve Hummocks (D7)	nired) (A 1, 2, ery (C9)		

Absolute Dominant Potential Process Precision Potential Process Precision Pr	Project/Site: Oregon Street Business F	Park	City/County: Sherwood / Washington Sampling Date: 3/8/202					2021
Landform (Pilot Size: 17 cestope	Applicant/Owner: Oregon Street Busines	ss Park, LLC			State: OR	Sampling F	Point:	6
Subtreging (LRR): A hortwest Forests and Coast	Investigator(s): Stacey Reed, PWS and S	Sonya Templeton	Section,	, Township, Ran	ge: Sec. 28, T.2S., R.1W.	., W.M.		
Solid Map Unit Name Briedwell story sit Boam, (Unit SB), 0% to 7% slopes, Non-hydrocy Yes X No (fine, explain in Remarks)	Landform (hillslope, terrace, etc.): Toes	slope		Local relief (c	concave, convex, none):	Convex	Slope (%):	<3%
Ave climatic / hydrologic conditions on the site hydrology Ave Vegetation	Subregion (LRR): A. Northwest Forests a	and Coast	Lat: 45.361060	Lo	ng: -122.823370	Datum:	1	
Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No No Vegetation Present? Yes X No No Vegetation Present? Yes X No Without Professional Circumstances (Infrareduct Acquired State (Infrareduct Acquired St	Soil Map Unit Name: Briedwell st	ony silt loam, (Unit 5B), 0%	% to 7% slopes; No	on-hydric	NWI c			
SUMMARY OF FINDINGS — Attach site map showing sampling point locations, transects, important features, etc. Hydrochylin Vegetation Present? Yes X No X Weltand Hydrocopy Present? Yes No X No X Within a Wetland? Yes No X No X Within a Wetland? Precipitation: **Recording to the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of and 1.02 inches within the two weeks prior. **Remarks:** **VEGETATION** Absolute Dominant Indicator Stratum (Plot Size: 30' or) % Cover Species? **Species 2 Status Number of Dominant Species 1. Total Species Across All Strata: 3 (8) **Species Across All Strata: 3 (8) **Percent of Dominant Species 1. Total Number of Dominant Species 1. Total Species Speci	, ,	**	•					
SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.	Are Vegetation, Soil	or Hydrology	significantly di	isturbed? A		•		No
Hydrochypitic Vegetation Present? Yes X No Is the Sampled Area within a Wetland? Yes No X							•	
Second Present? Yes		•	· · · · · · · · · · · · · · · · · · ·	oint location	ıs, transects, impor	tant features	, etc.	
Wetland Hydrology Present? Yes No X within a Wetland? Yes No X	* ' *			le the Same	alad Araa			
Proceinate Pro	·			- I	tland?			
Absolute Dominant Species Tree Stratum (Plot Size: 30'r or) 4 Cover Species? Status Tree Stratum (Plot Size: 30'r or) 4 Cover Species? Status Tree Stratum (Plot Size: 30'r or) 5 Cover Species? Status Total Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A) Total Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A) Sapiling/Shrub Stratum (Plot Size: 10'r or) 1 1.	Wetland Hydrology Present?	Yes	No X	within a vve	Yes	No	<u>x</u>	
VEGETATION	Precipitation: According to the NWS Hillsboro weather s	station, 0.01 inches of rainf	all was received or	n the day of and	1.02 inches within the two	o weeks prior.		
Absolute Dominant Indicator Species 2 Status Number of Dominant Species Nature Species Across All Strata: 3 (B)	Remarks:							
Absolute Dominant Indicator Species 2 Status Number of Dominant Species Nature Species Across All Strata: 3 (B)								
Absolute Dominant Indicator Species 2 Status Number of Dominant Species Nature Species Across All Strata: 3 (B)								
Absolute Species Status Indicator Species Status Status Number of Dominant Species That Are OBL, FACW, or FAC: 3	\/							
Tree Stratum (Plot Size: 30' r or) % Cover (Species?) Status (Stratum) Number of Dominant (Species (Species Across All Strata) Number of Dominant (Species Across All Strata) (A) 3. (A)	VEGETATION							
That Are OBL, FACW, or FAC: 3 (A)	Trac Stratum (Plot Size: 20' r.or.)							
Total Number of Dominant Species Across All Strata: 3 (B) Sapiling/Shrub Stratum (Plot Size: 10' r or)	1.	_ <u>% Cover</u>	Species?	<u>Status</u>		•	2	/A\
Total Number of Dominant Species Across All Strata: 3 (B)	2.				That Are Obc, FACW	, or FAC	<u> </u>	,Α)
Species Across All Strata: 3 (B)	3.	<u> </u>			Total Number of Dom	inant		
Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B)	4.						2 /	(D)
Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B)	·		Total Cover		Species Across Air St		((Β)
That Are OBL, FACW, or FAC: 100% (A/B)	Sapling/Shrub Stratum (Plot Size: 10' r or		Total Cover		Percent of Dominant	Snecies		
Prevalence Index worksheet: Total % Cover of: Multiply by:	1.					•	100%	(A/B)
Total % Cover of: Multiply by:	2.				· ·			<u>,///D)</u>
FACW species 0 x 2 = 0 0 FAC species 94 x 3 = 282 FACU species 94 x 3 = 282 FACU species 94 x 4 = 16 16 FAC species 94 x 4 = 16 16 FAC species 94 x 4 = 16 FACU species 94 x 4 = 16 x 4 FACU species 94 x 4 = 16 x 4 FACU species 94 x 4 = 16 x 4 FACU species 94 x 4 = 16 x 4 FACU species 94 x 4 = 16 x 4 FACU species 94 x 4 = 16 x 4 FACU species 94 x 4 = 16 x 4 FACU species 94 x 4 = 16 x 4 FACU species 94 x 4 = 16 x 4 FACU species 94 x 4 = 16 x 4 FACU species 94 x 4 = 16 x 4 FACU species 94 x 4 = 16 x 4 FACU species 94 x 4 x 4 = 16 x 4 FACU species 94 x 4 x 4 = 16 x 4 FACU species 94 x 4 x 4	3.			-				-
FACW species 0 x 2 = 0 0 FAC species 94 x 3 = 282 FACU species 94 x 3 = 282 FACU species 94 x 3 = 282 FACU species 94 x 4 = 16 16 16 16 16 16 16 16	4.				OBL species) x 1 =	0	
Herb Stratum (Plot Size: 5' r or) 1. Poa species 40% Yes FAC* UPL species 2	5.					x 2 =		_
Herb Stratum (Plot Size: 5' r or		0% =	Total Cover			4 x 3 =	282	_
2. Alopecurus pratensis 30% Yes FAC 3. Agrostis species 20% Yes FAC* Prevalence Index = B/A = 3.08 4. Geranium molle 2% No NOL Hydrophytic Vegetation Indicators: 5. Plantago lanceolata 2% No FACU 1. Rapid Test for Hydrophytic Vegetation 6. Trifolium repens 2% No FAC X 2 - Dominance Test is >50% 7. Rumex crispus 2% No FACU 3. Prevalence Index = \$3.08 Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 4. A - Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet) 5 Wetland Non-Vascular Plants (Problematic Hydrophytic Vegetation (Explain)) 10.	Herb Stratum (Plot Size: 5' r or)				FACU species 4	x 4 =		_
2. Alopecurus pratensis 30% Yes FAC 3. Agrostis species 20% Yes FAC* Prevalence Index = B/A = 3.08 4. Geranium molle 2% No NOL Hydrophytic Vegetation Indicators: 5. Plantago lanceolata 2% No FACU 1. Rapid Test for Hydrophytic Vegetation 6. Trifolium repens 2% No FAC X 2 - Dominance Test is >50% 7. Rumex crispus 2% No FAC 3. Prevalence Index is ≤3.0¹ 4. Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) 5. FWetland Non-Vascular Plants¹ Problematic Hydrophytic Vegetation (Explain)¹ 1. Hydrophytic Vegetation Yes X No Present?	1. Poa species	40%	Yes	FAC*	UPL species 2	x 5 =	10	_
4. Geranium molle 2% No NOL Plantago lanceolata 2% No FACU 1 - Rapid Test for Hydrophytic Vegetation 6. Trifolium repens 2% No FAC X 2 - Dominance Test is >50% 7. Rumex crispus 2% No FAC 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) 5 - Wetland Non-Vascular Plants¹ Problematic Hydrophytic Vegetation (Explain)¹ 1 Indicators of hydric soil and wetland hydrology must be present. Woody Vine Stratum (Plot Size: 10' r or) 1.		30%			Column Totals: 10	00 (A)	308	(B)
5. Plantago lanceolata 2% No FACU 1 - Rapid Test for Hydrophytic Vegetation 6. Trifolium repens 2% No FAC 7. Rumex crispus 2% No FAC 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) 5 - Wetland Non-Vascular Plants¹ Problematic Hydrophytic Vegetation (Explain)¹ 11. 2. 30% = Total Cover 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) 5 - Wetland Non-Vascular Plants¹ Problematic Hydrophytic Vegetation (Explain)¹ 1 Indicators of hydric soil and wetland hydrology must be present. 4 Hydrophytic Vegetation Yes X No Present?	Agrostis species	20%	Yes	FAC*	Prevalence Index	= B/A =	3.08	_
8. Prunella vulgaris 9. No FAC 1. Rumex crispus 2% No FAC 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) 5 - Wetland Non-Vascular Plants¹ Problematic Hydrophytic Vegetation (Explain)¹ 11. Problematic Hydrophytic Vegetation (Explain)¹ 1 Indicators of hydric soil and wetland hydrology must be present. 1 Hydrophytic Vegetation Yes X No Present? Remarks:	4. Geranium molle	2%	No	NOL	Hydrophytic Vegeta	tion Indicators:		
7. Rumex crispus 8. Prunella vulgaris 9.	5. Plantago lanceolata	2%	No	FACU	1 - Rapid Test for	Hydrophytic Veg	etation	
8. Prunella vulgaris 9.	6. Trifolium repens	2%	No	FAC	X 2 - Dominance Te	est is >50%		
data in Remarks or on a separate sheet) 5 - Wetland Non-Vascular Plants 1 Problematic Hydrophytic Vegetation (Explain) 1 100% = Total Cover Woody Vine Stratum (Plot Size: 10' r or) 1. 2. 100% = Total Cover Hydrophytic Vegetation Yes X No Present? Remarks:	7. Rumex crispus	2%	No	FAC	3 - Prevalence Inc	dex is ≤3.0 ¹		
10	8. Prunella vulgaris	2%	No	FACU	4 - Morphological	Adaptations ¹ (Pro	ovide suppo	rting
Problematic Hydrophytic Vegetation (Explain) 100% = Total Cover Indicators of hydric soil and wetland hydrology must be present. Hydrophytic Vegetation (Explain) Indicators of hydric soil and wetland hydrology must be present. Hydrophytic Vegetation Yes X No Present? Remarks:	9				data in Remar	ks or on a separa	te sheet)	
100% = Total Cover Indicators of hydric soil and wetland hydrology must be present. Hydrophytic Vegetation Yes X No Present? Remarks:	10							
Separation Stratum Plot Size: 10' r or	11				. 			
2.	Woody Vine Stratum (Plot Size: 10' r or	100% =	Total Cover			oil and wetland hy	ydrology mu	st
0% = Total Cover Vegetation Yes X No No No No No No No	1. 2.				Hydrophytic			
			Total Cover		Vegetation	Yes X No		
	Pomarke							

SOIL							Sampling Point:	6
Profile Descri	ption (Describe to the	depth neede	ed to document the	e indicator or o	confirm the abs	ence of indicator	rs):	
Depth	Matrix			Redox F	eatures			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-8	10YR 3/2	95	7.5YR 4/6	5	С	M	SiL	
8-16	10YR 4/1	98	7.5YR 4/6	2	С	M	SiCL	
								
	·							
								
¹ Type: C=Cond	entration, D=Depletion	RM=Reduce	ed Matrix CS=Cove	red or Coated S	and Grains			
	Pore Lining, M=Matrix.	, ravi raduoc	A Math. 00 0010	Tod of Oodlod o	and Oramo.			
Hydric Soil Ind	licators (Applicable to	all LRRs, ur	nless otherwise no	oted):		Indicators for	Problematic Hydric S	oils ³ :
Histosol (A			Sandy Redox (S	•		2 cm Mucl	•	
Histic Epipe	•	_	Stripped Matrix (•			nt Material (TF2)	
Black Histic	c (A3)		Loamy Mucky M		ept MLRA 1)		ow Dark Surface (TF12)
Hydrogen S	Sulfide (A4)		Loamy Gleyed M	latrix (F2)		Other (Exp	olain in Remarks)	
Depleted B	elow Dark Surface (A1	1) <u>></u>	Depleted Matrix	(F3)				
Thick Dark	Surface (A12)	<u>></u>	Redox Dark Surf	face (F6)		³ Indicators of h	nydrophytic vegetation a	and wetland
	ky Mineral (S1)	_	Depleted Dark S	urface (F7)			st be present, unless dis	
Sandy Gley	ed Matrix (S4)	_	Redox Depression	ons (F8)		problematic.		
Restrictive Lay	er (if present):							
Ту	pe:					Hydric Soil		
Depth (inches	s):					Present?	Yes X	No
Remarks:					<u> </u>			
HADBOLOG	·v							
HYDROLOG	logy Indicators:							
_	ors (minimum of one re	guired: check	all that apply)			Secondary Ind	licators (2 or more requi	irad)
	-	quirea, crieck	Water-Stained Lo	- 	ont MI DA		•	
Surface Water	Table (A2)	_	1, 2, 4A, and 4		ept MLRA	4A, and	ined Leaves (B9) (MLR	Α 1, 2,
Saturation	` ,		Salt Crust (B11)	•			Patterns (B10)	
Water Mark	` '		Aquatic Inverteb				on Water Table (C2)	
	Deposits (B2)	_	Hydrogen Sulfide	` ,			Visible on Aerial Image	ery (C9)
Drift Depos	. , ,		Oxidized Rhizos		ving Roots (C3)	Geomorph	nic Position (D2)	
Algal Mat o	r Crust (B4)	_	Presence of Red	luced Iron (C4)		Shallow A	quitard (D3)	
Iron Depos	its (B5)	_	Recent Iron Red	uction in Tilled S	Soils (C6)	FAC-Neut	ral Test (D5)	
Surface So	il Cracks (B6)	_	Stunted or Stress	sed Plants (D1)	(LRR A)	Raised An	t Mounds (D6) (LRR A)	
Inundation	Visible on Aerial Image	ery (B7)	_Other (Explain in	Remarks)		Frost-Hea	ve Hummocks (D7)	
Sparsely V	egetated Concave Surf	ace (B8)						
Field Observat	ions:							
Surface Water	Present? Yes_	N	oX	Depth (inches):	Wetland		
Water Table Pi	resent? Yes_	N	oX	Depth (inches):>16"	Hydrology	y Yes	No X
Saturation Pres		N	oX	Depth (inches):>16"	Present?		
(includes capill	ary tringe)							
Describe Reco	orded Data (stream ga	uge, monito	ring well, aerial ph	notos, previous	inspections), i	f available:		
	, 3	•			. "			
Remarks:				,			0.0004 " " " "	- · ·
	oproximtely 1 hour. Soil tland hydrology indicato		out. No free water o	or saturation wit	nın 12-inches du	iring a February 10	6, 2021 site visit either.	Does not meet
	, 0,							
1								

Project/Site: Oregon Street Business Park	City/Count	City/County: Sherwood / Washington Sampling Date: 3/8/2021					
Applicant/Owner: Oregon Street Business Pa	ark, LLC			State: OR	Sampling	Point:	7
Investigator(s): Stacey Reed, PWS and Sony	a Templeton	Section	, Township, Ran	ge: Sec. 28, T.2S., R.1W	., W.M.		
Landform (hillslope, terrace, etc.): Toeslope			Local relief (c	oncave, convex, none):	Convex	Slope (%):	<3%
Subregion (LRR): A. Northwest Forests and C	Coast I	_at: 45.361133	Lo	ng: -122.823122	Datur	n:	
' <u> </u>	silt loam, (Unit 5B), 0%	<u> </u>			lassification:		
Are climatic / hydrologic conditions on the site	* .	•		es X No	``'	lain in Rema	,
Are Vegetation, Soil Are Vegetation , Soil				re "Normal Circumstance If needed, explain any ans	•	Yes X	_ NO
<u></u>						•	
SUMMARY OF FINDINGS – Attach			oint location	is, transects, impor	rtant reature	s, etc.	
Hydrophytic Vegetation Present? Hydric Soil Present?		No X	Is the Samp	led Area			
Wetland Hydrology Present?		No X	within a Wet		No	v	
	165	NO		res	No	<u> </u>	
Precipitation: According to the NWS Hillsboro weather statio	n 0.01 inches of rainf	all was received o	n the day of and	1 02 inches within the two	o weeks prior		
resortaining to the 14440 timesbore weather state	in, o.or mones or rami	all was received o	in the day of and	1.02 mones want are two	o weeks prior.		
Remarks:							
VEGETATION							
VEGETATION	Absolute	Dominant	Indicator	Dominance Test wo	rkeheet:		
Tree Stratum (Plot Size: 30' r or)	% Cover	Species?	Status	Number of Dominant			
1. Acer macrophyllum	30%	Yes	FACU	That Are OBL, FACW	•	2	(A)
2.	3070	103	1 400	mat Are OBL, I AOW			_ (^)
3.				Total Number of Dom	inant		
4.	<u> </u>			Species Across All St		3	(B)
	30% =	Total Cover					_(-)
Sapling/Shrub Stratum (Plot Size: 10' r or				Percent of Dominant	Species		
1. Rosa nutkana	20%	Yes	FAC	That Are OBL, FACW	/, or FAC:	<u>67%</u>	(A/B)
2. Corylus cornuta	5%	No	FACU	Prevalence Index we	orksheet:		
Rubus armeniacus	5%	No	FAC	Total % Cover o	f: Multiply by	<u>'-</u>	_
4		·		OBL species () x 1 =	0	
5				FACW species (x 2 =	0	
	30% =	Total Cover		FAC species 12		378	
Herb Stratum (Plot Size: 5' r or)				· —	0 x 4 =	40	
Poa species	95%	Yes	FAC*	UPL species (0	— (5)
2. Taraxacum officinale	5%	No No	FACU	Column Totals: 13	` '	3.07	(B)
3. Rumex crispus	3%	No No	FAC	Prevalence Index			
4. Ranunculus repens 5.		No	FAC	Hydrophytic Vegeta 1 - Rapid Test for			
6.	-			X 2 - Dominance Te		getation	
7.				3 - Prevalence Inc			
8.				4 - Morphological		Provide sunr	ortina
9.	<u> </u>			<u> </u>	ks or on a separ		70.19
10.	_			5 - Wetland Non-			
11.	<u> </u>			Problematic Hydr)1
	106% =	Total Cover		¹ Indicators of hydric s			
Woody Vine Stratum (Plot Size: 10' r or	<u> </u>			be present.			
1.				Usaluon bartio			
2	0% =	Total Cover		Hydrophytic Vegetation	Yes X No	,	
% Bare Ground in Herb Stratum 0%	=	TOTAL COVER		Present?			-
Remarks:							

SOIL							Sampling Point:	7
Profile Descripti	on (Describe to	the depth need	ded to document th	ne indicator or	r confirm the abse	nce of indicators	•	
Depth	Mat	rix		Redox	Features			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-10	10YR 3/2	100					SiL	
10-16	10YR 3/2	97	7.5YR 4/4	3	С	M	SiL	
1								
'Type: C=Concer ² Location: PL=Po			iced Matrix CS=Cove	ered or Coated	Sand Grains.			
			·····less othonwise r	-4ad\.		In disease for	To the transfer Usedwin C	3.
•		e to all LKKS, i	unless otherwise n	•			Problematic Hydric S	oils":
Histosol (A1)			Sandy Redox (S	•		2 cm Muck	, ,	
Histic Epiped	` ,	-	Stripped Matrix				it Material (TF2)	
Black Histic (•	-	Loamy Cloved N	, , ,	cept MLKA 1)		ow Dark Surface (TF12))
Hydrogen Sul	` ,	- /^44	Loamy Gleyed N	, ,		Other (Exp	olain in Remarks)	
Thick Dark Su	ow Dark Surface (urface (A12)	(A11)	Depleted Matrix Redox Dark Sur					
Sandy Mucky	, ,	-	Depleted Dark Sur	` '			nydrophytic vegetation a	
Sandy Mucky	, ,	-	Redox Depressi	, ,		hydrology mus problematic.	t be present, unless dis	turbed or
	, ,		110007 202.01	10115 (1 5)		problemane.		
Restrictive Layer						Undria Sail		
Type Depth (inches):	:					Hydric Soil Present?	Yes	No X
Deptii (illones ₎ .		_				rresem:	169	NO A
Remarks:								
HYDROLOGY	,		·					
Wetland Hydrolo								
Primary Indicators		e requ <u>ired; che</u>	ck all th <u>at apply)</u>			Secondary Ind	icators (2 or more requi	red)
Surface Wate		•	Water-Stained L	_ eaves (B9) (e)	xcept MLRA		ined Leaves (B9) (MLRA	
High Water T	` ,	-	1, 2, 4A, and	, , ,	toop: III.E	4A, and	` ' '	· · · , <u>~</u> ,
Saturation (A			Salt Crust (B11)				Patterns (B10)	
Water Marks	•	-	Aquatic Inverteb	•			n Water Table (C2)	
Sediment De	• •	-	Hydrogen Sulfid	` ,			Visible on Aerial Image	ry (C9)
Drift Deposits	. , ,	-		` ,	Living Roots (C3)		ic Position (D2)	,
Algal Mat or 0	Crust (B4)	-	Presence of Re		. ,		quitard (D3)	
Iron Deposits	(B5)	-	Recent Iron Rec	duction in Tilled	d Soils (C6)	FAC-Neutr	ral Test (D5)	
Surface Soil (Cracks (B6)		Stunted or Stres	ssed Plants (D1	1) (LRR A)	Raised An	t Mounds (D6) (LRR A)	
Inundation Vi	sible on Aerial Im	agery (B7)	Other (Explain i	n Remarks)		Frost-Hea	ve Hummocks (D7)	
Sparsely Veg	etated Concave S	Surface (B8)						
Field Observatio	ns:							
Surface Water Pr	esent? Ye	s	NoX	Depth (inche	es):	Wetland		
Water Table Pres		s		Depth (inche	es): >16"	Hydrology	/ Yes	No X
Saturation Preser	nt? Ye	s		Depth (inche	es): >16"	Present?		
(includes capillary	y fringe)							
Describe Record	ded Data (stream	nauge monif	toring well, aerial p	hotos previou	us inspections), if	available:		
Describe Reco.	Jeu Data (Stroum	gauge, mo	.offing wen, acria. p	IIOtos, provide	as morecuons,,	available.		
Remarks:								
Plot left open app	roximately 1 hour	. Soils dry throu	ughout.					

Project/Site: Oregon Street Business Pa	rk	City/Count	y: Sherwood / W	/ashington	Sampling Date:	3/8/2021
Applicant/Owner: Oregon Street Business	Park, LLC			State: OR	Sampling P	oint: 8
Investigator(s): Stacey Reed, PWS and Sor	nya Templeton	Section,	Township, Rang	ge: Sec. 28, T.2S., R.1W	., W.M.	
Landform (hillslope, terrace, etc.): Footslo	ppe/Floodplain	_	Local relief (co	oncave, convex, none):	Concave S	Slope (%): <3%
Subregion (LRR): A. Northwest Forests and	d Coast La	at: 45.360765	Lor	ng: -122.823791	Datum:	
· · · · · · · · · · · · · · · · · · ·	y silt loam, (Unit 5B), 0%				lassification:	
Are climatic / hydrologic conditions on the si	• • • • • • • • • • • • • • • • • • • •			es X No	` ' '	n in Remarks)
	or Hydrology, or Hydrology			re "Normal Circumstance f needed, explain any ans	•	Yes X No
<u> </u>						,
SUMMARY OF FINDINGS - Attac			oint location	is, transects, impor	tant features,	etc.
Hydrophytic Vegetation Present? Hydric Soil Present?		lo	Is the Sampl	led Area		
Wetland Hydrology Present?		lo lo	within a Wet	land?	/ No	
, 0,	res			162 /	No	
Precipitation: According to the NWS Hillsboro weather sta	tion 0.01 inches of rainfal	ll was received or	n the day of and	1.02 inches within the two	n weeks prior	
About any to the 14440 Timbboto weather sta	don, o.or mones or ranna	was received of	ir the day of and	1.02 mones want are two	o weeks prior.	
Remarks:						
Plot is located within Wetland B on the west	side of SW Tonquin Road	d.				
VEGETATION						
VEGETATION	Absolute	Dominant	Indicator	Dominance Test wo	rkahaat:	
Tree Stratum (Plot Size: 30' r or)	% Cover	Species?	Status	Number of Dominant		
1.	<u>70 Gover</u>	<u>opedies:</u>	<u>Otatus</u>	That Are OBL, FACW	-	1 (A)
2.				That Ale OBE, I AOW		(^)
3.				Total Number of Dom	inant	
4.				Species Across All St		1 (B)
		otal Cover				(2)
Sapling/Shrub Stratum (Plot Size: 10' r or				Percent of Dominant	Species	
1.				That Are OBL, FACW	•	100% (A/B)
2.				Prevalence Index we		,
3.				Total % Cover o	f: Multiply by:	
4.				OBL species (x 1 =	0
5.				FACW species 10	00 x 2 =	200
	0% = T	otal Cover		FAC species (x 3 =	0
Herb Stratum (Plot Size: 5' r or)				FACU species (x 4 =	0
Phalaris arundinacea	100%	Yes	FACW	UPL species (x 5 =	0
2				Column Totals: 10	00 (A)	200 (B)
3				Prevalence Index	c = B/A =	<u>2.00</u>
4				Hydrophytic Vegeta	tion Indicators:	
5				1 - Rapid Test for	Hydrophytic Vege	etation
6				X 2 - Dominance Te	est is >50%	
7				3 - Prevalence Inc		
8					Adaptations ¹ (Pro	
9					ks or on a separat	e sheet)
10				5 - Wetland Non-		
11					ophytic Vegetation	
MALE AND VIEW CAMPAGE (FILE C)	= T	otal Cover		¹ Indicators of hydric s	oil and wetland hy	drology must
Woody Vine Stratum (Plot Size: 10' r or 1.) _			be present.		
2.				Hydrophytic		
	0% = T	otal Cover			Yes X No	
% Bare Ground in Herb Stratum 09	6			Present?		
Remarks:						
Bareground covered by leaf litter.						
•						

Profite Description Descri	SOIL							Sampling Point:	8
Color (moist) 5s Color (moist) 5s Total Total Remarks		ption (Describe to th	e depth nee	ded to document th	ne indicator or	confirm the abse	ence of indicators		-
Type: C-Concentration, D=Depletion, RM=Reduced Matrix CS=Covered or Coated Sand Graina.	Depth	Matrix	K		Redox	Features			
Type: C=Concentration, D=Depletion, RM=Reduced Matrix CS=Covered or Coated Sand Grains. Type: C=Concentration, D=Depletion, RM=Reduced Matrix CS=Covered or Coated Sand Grains.	(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
Tucation: PL=Prore Linning, M=Matrix. Hydric Soil Indicators (Applicable to all LRRs, unless otherwise noted): Histoso (A1)	0-16		90		10	С	M/PL	SiCL	
Tucation: PtProve Lining, Mi-Matrix. Hydric Soil Indicators (Applicable to all LRRs, unless otherwise noted): Histose (A1)		·							
Tucation: PtProve Lining, Mi-Matrix. Hydric Soil Indicators (Applicable to all LRRs, unless otherwise noted): Histose (A1)		·							
Tucation: PL=Prore Linning, M=Matrix. Hydric Soil Indicators (Applicable to all LRRs, unless otherwise noted): Histoso (A1)									
Tucation: PL=Prore Linning, M=Matrix. Hydric Soil Indicators (Applicable to all LRRs, unless otherwise noted): Histoso (A1)									
Tucation: PL=Prore Linning, M=Matrix. Hydric Soil Indicators (Applicable to all LRRs, unless otherwise noted): Histoso (A1)		· ,							·
Tucation: PL=Prore Linning, M=Matrix. Hydric Soil Indicators (Applicable to all LRRs, unless otherwise noted): Histoso (A1)		<u> </u>		<u> </u>		<u> </u>			·
Tucation: PL=Prore Linning, M=Matrix. Hydric Soil Indicators (Applicable to all LRRs, unless otherwise noted): Histoso (A1)		<u> </u>							
Hydric Soil Indicators (Applicable to all LRRs, unless otherwise noted): Histosol (A1) Sandy Redox (S5) 2 cm Muck (A10) Histosol (A2) Stripped Matrix (S6) Red Protein Material (TF2) Black Histo (A3) Loamy Mucky Mineral (F1) (except MLRA 1) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Thick Dark Surface (A11) Depleted Matrix (F3) Thick Dark Surface (A12) X Redox Dark Surface (F6) Sandy Mucky Mineral (S1) Depleted Dark Surface (F6) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Thick Dark Surface (A12) Redox Depressions (F8) Restrictive Layer (if present): Type: Depth (inches): Hydric Soil Present? Yes X No Water-Stained Leaves (B9) (except MLRA X High Water Table (A2) 1, 2, 4A, and 4B) X Saturation (A3) Salt Crust (B11) Water Marks (B1) Aquatic Invertebrates (B13) Water Marks (B1) Aquatic Invertebrates (B13) Deptited Oxide (B12) Deptited Phydroposy Indicators (B13) Diagne Patterns (B10) Directors (B13) Directors (B13) Directors (B13) Directors (B14) Present (B10) Directors (B13) Directors (B14) Directors (B14) Directors (B14) Directors (B15) Dir		· ·		ıced Matrix CS=Covε	ered or Coated	Sand Grains.			
Histosol (A1) Sandy Redox (S5) 2 cm Muck (A10) Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) Hydrogen Sulfide (A4) Learny Mucky Mineral (F1) (except MLRA 1) Other (Explain in Remarks) Sandy Mucky Mineral (S1) Depleted Matrix (F3) Thick Dark Surface (A11) Depleted Matrix (F3) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Problematic. Restrictive Layer (if present): Type: Depth (inches): Permany Indicators (minimum of one required; check all that apply) Surface Water (A1) Salt (F4) Salt (F4) Surface (F5) Present? Yes X No Primary Indicators (minimum of one required): Check all that apply) Secondary Indicators (F2) or more required) Water Stained Leaves (B9) (except MLRA 4A, and 4B) Aquatic Invertebrates (B13) Dariage Patterns (B10) Dariage		<u> </u>							
Histic Epipedon (A2)	Hydric Soil Indi	icators (Applicable 1	to all LRRs,	unless otherwise no	oted):		Indicators for I	Problematic Hydric S	Soils ³ :
Black Histic (A3)	Histosol (A1	1)		Sandy Redox (S	35)		2 cm Muck	(A10)	
Hydrogen Sulfide (A4) Depleted Below Dark Surface (A11) Depleted Matrix (F2) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (E4) Redox Dark Surface (F7) Sandy Gleyed Matrix (E4) Restrictive Layer (if present): Type: Depth (inches): Pimary Indicators (minimum of one required; check all that apply) Surface Water (A1) Water-Stained Leaves (B9) (except MLRA High Water Table (A2) X advabled National (B11) Aquatic Invertebrates (B13) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Sandy Gleyed Matrix (E4) Depth (inches): Present? Present? Other (Explain in Remarks) Pindicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Hydric Soil Present? Yes X No Present? Water-Stained Leaves (B9) (Except MLRA Algal Mater Table (A2) Algal Mat or Crust (B4) Presence of Reduced Iron (C4) Saluracion Valieble on Aerial Imagery (C9) Dirth Deposits (B5) Recent Iron Reduction in Tilled Soils (C6) Algal Mat or Crust (B4) Iron Deposits (B5) Recent Iron Reduction in Tilled Soils (C6) Algal Mat or Crust (B4) Iron Deposits (B5) Recent Iron Reduction in Tilled Soils (C6) Algal Mat or Crust (B4) Iron Deposits (B5) Recent Iron Reduction in Tilled Soils (C6) Fost-Heave Hurnmocks (D7) Presence (P) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Presence of Reduced Iron (C4) Shallow Aquitard (D3) Frost-Heave Hurnmocks (D7) Present? Wetland Hydrology Yes X No Present?	Histic Epipe	edon (A2)		Stripped Matrix	(S6)		Red Parent	Material (TF2)	
Depleted Below Dark Surface (A11) Thick Dark Surface (A12) X Redox Dark Surface (F6) Sandy Mukey Mineral (S1) Sandy Gleyed Matrix (S4) Pepleted Dark Surface (F7) Redox Depressions (F8) Property of Present, unless disturbed or problematic. Restrictive Layer (if present): Type: Depth (inches): Present? Yes _ X _ No		` '				cept MLRA 1)		·	2)
Thick Dark Surface (A12)	Hydrogen S	Sulfide (A4)		Loamy Gleyed N	Matrix (F2)		Other (Expl	ain in Remarks)	
Sandy Mucky Mineral (S1)	Depleted Be	elow Dark Surface (A	.11)	Depleted Matrix	. (F3)				
Sandy Gleyed Matrix (S4) Redox Depressions (F8) problematic. Restrictive Layer (if present):		, ,					³ Indicators of h	udrophytic vegetation	and wetland
Hydric Soil	Sandy Muck	ky Mineral (S1)		Depleted Dark S	3urface (F7)				
Type:	Sandy Gley	/ed Matrix (S4)		Redox Depressi	ions (F8)		problematic.		
Remarks: HYDROLOGY	Restrictive Lay	er (if present):							
Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Secondary Indicators (minimum of one required; check all that apply) Secondary Indicators (minimum of one required; check all that apply) Secondary Indicators (2 or more required)	Тур	pe:					Hydric Soil		
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Water-Stalined Leaves (B9) (except MLRA Ad, and 4B) Salt Crust (B11) Water Marks (B1) Aquatic Invertebrates (B13) Drainage Patterns (B10) Advatic Invertebrates (B13) Dry-Season Water Table (C2) Sediment Deposits (B2) Hydrogen Sulfide Odor (C1) Saturation Visible on Aerial Imagery (C9) Algal Mat or Crust (B4) Iron Deposits (B5) Recent Iron Reduction in Tilled Soils (C6) Surface Soil Cracks (B6) Surface Soil Cracks (B6) Surface Soil Cracks (B6) Stunted or Stressed Plants (D1) (LRR A) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Field Observations: Surface Water Present? Yes X No Depth (inches): B" Saturation Present? Yes X No Depth (inches): B" Saturation Present? Yes X No Depth (inches): B" Saturation Present? Yes X No Depth (inches): B" Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Depth (inches)	s):					Present?	Yes X	No
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Surface Water (A2) A High Water Table (A2) I 1, 2, 4A, and 4B) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Water Marks (B1) Salt Crust (B11) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Surface Soil Cracks (B6) Surface Soil Cracks (B8) Surface Water Present? Surface Water Present? Yes No Depth (inches): Surface Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:									
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Surface Water (A2) A High Water Table (A2) I 1, 2, 4A, and 4B) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Water Marks (B1) Salt Crust (B11) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Surface Soil Cracks (B6) Surface Soil Cracks (B7) Other (Explain in Remarks) Field Observations: Surface Water Present? Yes No Depth (inches): Surface Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	HYDROLOG	Y							
Surface Water (A1) Water-Stained Leaves (B9) (except MLRA Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) X Saturation (A3) Salt Crust (B11) Water Marks (B1) Aquatic Invertebrates (B13) Dry-Season Water Table (C2) Sediment Deposits (B2) Hydrogen Sulfide Odor (C1) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Recent Iron Reduction in Tilled Soils (C6) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Water-Stained Leaves (B9) (except MLRA 4A, and 4B) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No No Depth (inches): Surface Wetland Hydrology Yes X No Depth (inches): Surface Present? Yes X No Depth (inches): Surface Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:									
X High Water Table (A2) X Saturation (A3) Salt Crust (B11) Drainage Patterns (B10) Dray-Season Water Table (C2) Sediment Deposits (B2) Drift Deposits (B3) Oxidized Rhizospheres along Living Roots (C3) Algal Mat or Crust (B4) Presence of Reduced Iron (C4) Surface Soil Cracks (B6) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No No Depth (inches): Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Primary Indicato	ors (minimum of one r	equired; che	ck all that apply)	_		Secondary India	cators (2 or more requ	uired)
X Saturation (A3) Saturation (A3) Saturation (A3) Saturation (A3) Saturation (A3) Drainage Patterns (B10) Water Marks (B1) Aquatic Invertebrates (B13) Dry-Season Water Table (C2) Sediment Deposits (B2) Hydrogen Sulfide Odor (C1) Saturation Visible on Aerial Imagery (C9) Drift Deposits (B3) Oxidized Rhizospheres along Living Roots (C3) Geomorphic Position (D2) Algal Mat or Crust (B4) Presence of Reduced Iron (C4) Shallow Aquitard (D3) Iron Deposits (B5) Recent Iron Reduction in Tilled Soils (C6) FAC-Neutral Test (D5) Surface Soil Cracks (B6) Stunted or Stressed Plants (D1) (LRR A) Raised Ant Mounds (D6) (LRR A) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Frost-Heave Hummocks (D7) Field Observations: Surface Water Present? Yes No X Depth (inches): Wetland Hydrology Yes X No Depth (inches): Surface Present?	Surface Wa	ater (A1)		Water-Stained L	_eaves (B9) (ex	ccept MLRA	Water-Stair	ned Leaves (B9) (MLF	RA 1, 2,
X Saturation (A3) Saturation (A3) Saturation (A3) Saturation (A3) Saturation (A3) Drainage Patterns (B10) Water Marks (B1) Aquatic Invertebrates (B13) Dry-Season Water Table (C2) Sediment Deposits (B2) Hydrogen Sulfide Odor (C1) Saturation Visible on Aerial Imagery (C9) Drift Deposits (B3) Oxidized Rhizospheres along Living Roots (C3) Geomorphic Position (D2) Algal Mat or Crust (B4) Presence of Reduced Iron (C4) Shallow Aquitard (D3) Iron Deposits (B5) Recent Iron Reduction in Tilled Soils (C6) FAC-Neutral Test (D5) Surface Soil Cracks (B6) Stunted or Stressed Plants (D1) (LRR A) Raised Ant Mounds (D6) (LRR A) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Frost-Heave Hummocks (D7) Field Observations: Surface Water Present? Yes No X Depth (inches): Wetland Hydrology Yes X No Depth (inches): Surface Present?	X High Water	Table (A2)	-	1, 2, 4A, and	4B)		4A, and 4	4B)	
Sediment Deposits (B2)									
Drift Deposits (B3) Oxidized Rhizospheres along Living Roots (C3) Algal Mat or Crust (B4) Iron Deposits (B5) Recent Iron Reduction in Tilled Soils (C6) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Water Table Present? Yes X No Depth (inches): Saturation Present? Yes X No Depth (inches): Saturation Present? Yes X No Depth (inches): Surface Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Water Mark	(s (B1)		Aquatic Inverteb	orates (B13)		Dry-Seasor	ı Water Table (C2)	
Algal Mat or Crust (B4)	Sediment D	Deposits (B2)	-	Hydrogen Sulfid	le Odor (C1)		Saturation \	√isible on Aerial Imag	ery (C9)
Iron Deposits (B5)	Drift Deposi	its (B3)		Oxidized Rhizos	spheres along l	Living Roots (C3)	Geomorphic	c Position (D2)	
Surface Soil Cracks (B6) Stunted or Stressed Plants (D1) (LRR A) Raised Ant Mounds (D6) (LRR A) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Frost-Heave Hummocks (D7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No X Depth (inches): Wetland Water Table Present? Yes X No Depth (inches): 8" Hydrology Yes X No Saturation Present? Yes X No Depth (inches): Surface (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Algal Mat or	r Crust (B4)		Presence of Rec	duced Iron (C4))	Shallow Aq	uitard (D3)	
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Frost-Heave Hummocks (D7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No X Depth (inches): Wetland Water Table Present? Yes X No Depth (inches): 8" Hydrology Yes X No Saturation Present? Yes X No Depth (inches): Surface Present? (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Iron Deposi	its (B5)		Recent Iron Rec	duction in Tilled	Soils (C6)	FAC-Neutra	al Test (D5)	
Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No X Depth (inches): Wetland Water Table Present? Yes X No Depth (inches): 8" Hydrology Yes X No Saturation Present? Yes X No Depth (inches): Surface Present? Surface Water Table Present? Yes X No Depth (inches): 8" Hydrology Yes X No Depth (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Surface Soi	il Cracks (B6)		Stunted or Stres	ssed Plants (D1	I) (LRR A)	Raised Ant	Mounds (D6) (LRR A	.)
Field Observations: Surface Water Present? Yes No X Depth (inches): Wetland Water Table Present? Yes X No Depth (inches): 8" Hydrology Yes X No Saturation Present? Yes X No Depth (inches): Surface Present? (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Inundation \	Visible on Aerial Imaç	gery (B7)	Other (Explain in	n Remarks)		Frost-Heave	e Hummocks (D7)	
Surface Water Present? Yes No X Depth (inches): Wetland Water Table Present? Yes X No Depth (inches): 8" Hydrology Yes X No Saturation Present? Yes X No Depth (inches): Surface Present? (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Sparsely Ve	egetated Concave Su	ırface (B8)						
Water Table Present? Yes X No Depth (inches): 8" Hydrology Yes X No Depth (inches): Surface Present? Saturation Present? Yes X No Depth (inches): Surface Present? Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Field Observati	ions:		-					
Water Table Present? Yes X No Depth (inches): 8" Hydrology Yes X No Saturation Present? Yes X No Depth (inches): Surface Present? Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Surface Water I	Present? Yes		No X	Depth (inche	es):	Wetland		
Saturation Present? Yes X No Depth (inches): Surface Present? (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Water Table Pro	esent? Yes	Х	No			Hydrology	Yes X	No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Saturation Pres	sent? Yes	Х	No	Depth (inche	es): Surface	Present?		<u> </u>
	(includes capilla	ary fringe)							
	Describe Reco	orded Data (stream ç	gauge, moni	itoring well, aerial p	hotos, previou	us inspections), it	f available:		
Remarks:									
	Remarks:								

			ty: Sherwood / W		Sampling Date		3/2021
Applicant/Owner: Oregon Street Business Park	, LLC			State: OR	Sampling I	Point:	10
nvestigator(s): Stacey Reed, PWS and Sonya	Templeton	Section	, Township, Ranç	ge: Sec. 28, T.2S., R.1W	., W.M.		
Landform (hillslope, terrace, etc.): Hillslope			Local relief (co	oncave, convex, none):	Convex	Slope (%)	: <3%
Subregion (LRR): A. Northwest Forests and Co	ast L	at: 45.361319	Lor	ng: <u>-122.822837</u>	Datum	:	
	loam, (Unit 5B), 0%	•			lassification:		
Are climatic / hydrologic conditions on the site ty		•		es X No	`` ' '		,
Are Vegetation, Soil Are Vegetation , Soil				re "Normal Circumstance f needed, explain any an	•	Yes X	_NO
						•	
SUMMARY OF FINDINGS – Attach s Hydrophytic Vegetation Present?			oint location	is, transects, impoi	tant reatures	s, etc.	
Hydric Soil Present?		No X	Is the Sampl	led Area			
Wetland Hydrology Present?		No X	within a Wet		No	Y	
, 0,	165	NO X	<u> </u>	163	No		
Precipitation: According to the NWS Hillsboro weather station,	0.01 inches of rainfa	all was received o	n the day of and	1.02 inches within the tw	n weeks prior		
tooording to the 14440 Timbbolo weather station,	0.01 mones of famile	all was received o	ir the day of and	1.02 mones want are tw	o weeks phor.		
Remarks:							
VEGETATION							
VEGETATION	Absolute	Dominant	Indicator	Dominance Test wo	rkshoot:		-
Tree Stratum (Plot Size: 30' r or	% Cover	Species?	<u>Status</u>	Number of Dominant			
1. Acer macrophyllum	30%	Yes	FACU	That Are OBL, FACW	•	0	(A)
2.				, , , , , , , , , , , , , , , , , , , ,		-	_(' ')
3.				Total Number of Dom	inant		
4.	<u> </u>			Species Across All St	rata:	4	(B)
	30% =	Total Cover					_ ` ′
Sapling/Shrub Stratum (Plot Size: 10' r or				Percent of Dominant	Species		
1. Symphoricarpos albus	20%	Yes	FACU	That Are OBL, FACW	, or FAC:	<u>0%</u>	(A/B)
2. Mahonia aquifolium	15%	Yes	FACU	Prevalence Index we			
Rubus armeniacus	5%	No	FAC	Total % Cover o	f: Multiply by:		_
4. Oemleria cerasiformis	5%	No	FACU		x 1 =	0	
5				FACW species (0	
Usel Otastana (Dist Oissa Flanca	45% =	Total Cover			0 x 3 =	30	
Herb Stratum (Plot Size: 5' r or)				FACU species 4		160	
1. Geranium molle	80%	Yes	NOL	UPL species 8		400	
2. <u>Poa species</u> 3.	5%	No	FAC*	Column Totals: 13 Prevalence Index	• /	4.54	(B)
4.				Hydrophytic Vegeta		4.04	-
5.				1 - Rapid Test for		etation	
6.				2 - Dominance Te	, , ,	,	
7.				3 - Prevalence In	dex is ≤3.0 ¹		
3.				4 - Morphological		rovide supp	oorting
9.					ks or on a separa		J
10.	<u> </u>			5 - Wetland Non-	Vascular Plants ¹		
11.				Problematic Hydr	ophytic Vegetatio	on (Explain)1
	85% =	Total Cover	<u> </u>	¹ Indicators of hydric s	oil and wetland h	ydrology m	nust
Woody Vine Stratum (Plot Size: 10' r or)				be present.			
1 2.				Hydrophytic			
	0% =	Total Cover		Vegetation	Yes No	Х	
% Bare Ground in Herb Stratum 15%				Present?			-
Remarks:							

SOIL					Sampling Point:	10
Profile Description (Des	scribe to the depth ne	eded to document t	the indicator or confirm the abso	ence of indicators	•	
Depth	Matrix		Redox Features			
(inches) Color	(moist) %	Color (moist)	% Type ¹	Loc ²	Texture	Remarks
0-9 10Y	/R 3/2 100		. <u> </u>	<u> </u>	SiL	
9-16 10Y	/R 3/3 100	_			SiL	
<u> </u>						
			<u> </u>			
						
 						
						
1- 0.00000000000000000000000000000000000	S. D. John D. D.		L C to d Complete			-
² Location: PL=Pore Linin	•	uced Matrix Co=Cov	vered or Coated Sand Grains.			
Hydric Soil Indicators (A		, unless otherwise	noted):	Indicators for	Problematic Hydric S	oils ³ :
Histosol (A1)		Sandy Redox (S5)	2 cm Muck	•	
Histic Epipedon (A2))	Stripped Matrix	,		t Material (TF2)	
Black Histic (A3)			Mineral (F1) (except MLRA 1)		ow Dark Surface (TF12)
Hydrogen Sulfide (A4	4)	Loamy Gleyed	, , , , , ,		lain in Remarks)	,
Depleted Below Dark	•	Depleted Matrix	• •			
Thick Dark Surface (` '	Redox Dark Su	• •	3		
Sandy Mucky Minera	al (S1)	Depleted Dark	Surface (F7)		ydrophytic vegetation a t be present, unless dis	
Sandy Gleyed Matrix	(S4)	Redox Depress	sions (F8)	problematic.	bo process, a	turbou o.
Restrictive Layer (if pre	esent):					
Туре:				Hydric Soil		
Depth (inches):				Present?	Yes	No X
Remarks:						
Remarks.						
HYDROLOGY						
Wetland Hydrology Indi	icators:					
Primary Indicators (minim	num of one required; che	eck all that apply)	_	Secondary Indi	cators (2 or more requi	red)
Surface Water (A1)		Water-Stained	Leaves (B9) (except MLRA	Water-Stair	ned Leaves (B9) (MLR	A 1, 2,
High Water Table (A2	2)	1, 2, 4A, and	I 4B)	4A, and	4B)	
Saturation (A3)		Salt Crust (B11	1)	Drainage P	Patterns (B10)	
Water Marks (B1)		Aquatic Inverte	brates (B13)	Dry-Seasor	n Water Table (C2)	
Sediment Deposits (E	B2)	Hydrogen Sulfic	de Odor (C1)	Saturation \	Visible on Aerial Image	ry (C9)
Drift Deposits (B3)		Oxidized Rhizo	ospheres along Living Roots (C3)	Geomorphi	ic Position (D2)	
Algal Mat or Crust (B	34)		educed Iron (C4)	Shallow Aq	. ,	
Iron Deposits (B5)			eduction in Tilled Soils (C6)		al Test (D5)	
Surface Soil Cracks (• •		essed Plants (D1) (LRR A)		Mounds (D6) (LRR A)	
Inundation Visible on	, ,	Other (Explain	in Remarks)	Frost-Heav	re Hummocks (D7)	
Sparsely Vegetated (Concave Surface (B8)					
Field Observations:						
Surface Water Present?			Depth (inches):	Wetland		
Water Table Present?	Yes		Depth (inches): >16"	Hydrology	Yes	No X
Saturation Present? (includes capillary fringe)	Yes	_ NoX	Depth (inches): >16"	Present?		
Doscribe Recorded Dat	to (etroam daude mor	citoring well aerial	photos, previous inspections), i	f available:		
Describe Recorded 24.	ta (Stream gaage,e.	morning wen, acris, p	motos, previous mapeodo, i	i available.		
Remarks:						

Applicant/Owner: Oregon Street Business Park Investigator(s): Stacey Reed, PWS and Sonya				State: OR	Sampling I	Point:	44
• • • • • • • • • • • • • • • • • • • •	Templeton				. •		11
f / -: -	rempleton	Section,	, Township, Ranç	ge: Sec. 28, T.2S., R.1W	., W.M.		
Landform (hillslope, terrace, etc.): Toeslope			Local relief (co	oncave, convex, none):	Convex	Slope (%):	<3%
Subregion (LRR): A. Northwest Forests and Co	ast L	at: 45.361121	Lor	ng: -122.823001	Datum		
	t Ioam, (Unit 5B), 0%				assification:		
Are climatic / hydrologic conditions on the site ty	•	•		es X No	` '		,
Are Vegetation, Soil Are Vegetation , Soil				re "Normal Circumstance f needed, explain any ans	•	Yes X	_No
						•	
SUMMARY OF FINDINGS – Attach s			oint location	is, transects, impor	tant features	s, etc.	
Hydrophytic Vegetation Present?		No X	Is the Sampl	led Δrea			
Hydric Soil Present?		No X	within a Wet	land?	Ma	v	
Wetland Hydrology Present?	Yes	No X	1	Yes	No	<u> </u>	
Precipitation: According to the NWS Hillsboro weather station,	0.01 inches of rainf	all was received o	n the day of and	1.02 inches within the two	a wooka prior		
According to the NVVS Hillsboro weather station,	0.01 mones of familia	all was received of	in the day of and	1.02 mones within the two	o weeks prior.		
Remarks:							
VEGETATION				1			
Tues Charles (Dist Cines 20) as a	Absolute	Dominant	Indicator	Dominance Test wo			
Tree Stratum (Plot Size: 30' r or)	% Cover	Species?	<u>Status</u>	Number of Dominant	•	_	
1. Acer macrophyllum 2.	40%	Yes	FACU	That Are OBL, FACW	, or FAC:	3	_(A)
3.							
4.				Total Number of Dom			(5)
				Species Across All St	rata:	6	_(B)
Cardinar/Ohmuh Chrahura /Dlat Circa 401 a an	40% =	Total Cover		Daniel of Daniel and	0		
Sapling/Shrub Stratum (Plot Size: 10' r or 1. Crataggus managuna				Percent of Dominant	•	F00/	
oraliaegus monogyna	30%	Yes	FAC	That Are OBL, FACW		<u>50%</u>	(A/B)
nabas armeniacas	15%	Yes	FAC	Prevalence Index wo Total % Cover of			
. Oerniena cerasiionniis	10%	No No	FACU				_
4. Physocarpus capitatus 5.	3%	No	FACW	OBL species C		0	
J	500/	T-1-1-0	-			16	—
Herb Stratum(Plot Size: 5' r or)	<u>58%</u> = 1	Total Cover		FAC species 4:		144 120	
	400/		FAOU	· . 			
Tellima grandiflora Equisetum hyemale	10%	Yes	FACU	Column Totals: 8		0	(B)
Equisetum hyemale Urtica dioica	<u>5%</u> 3%	Yes No	FACW FAC	Prevalence Index		280 3.26	— ^(B)
4.	3%	INO	FAC	Hydrophytic Vegeta		0.20	
5.				1 - Rapid Test for		retation	
6.			-	2 - Dominance Te	, , ,	jotation	
7.				3 - Prevalence Inc			
3.				4 - Morphological		rovide supr	orting
9.			-	<u> </u>	ks or on a separa	• • •	orting
10.				5 - Wetland Non-		5.1001)	
11.				Problematic Hydr		on (Explain	\ ¹
•••	18% =	Total Cover		¹ Indicators of hydric s			•
Woody Vine Stratum (Plot Size: 10' r or	1070 -	Total Cover		be present.	oli and welland i	iyurology ii	ust
1. Hedera helix	10%	Yes	FACU				
2.				Hydrophytic			
W.B	10% =	Total Cover		1	Yes No	X	_
% Bare Ground in Herb Stratum 82%				Present?			
Remarks:				1			

SOIL					Sampling Point:	11
Profile Description (Descr	ibe to the depth	needed to document the ir	ndicator or confirm the abs			
Depth	Matrix		Redox Features			
(inches) Color (m	oist) %	Color (moist)	% Type ¹	Loc ²	Texture	Remarks
0-16 10YR 3	3/2 100	<u> </u>			SiL	
		_				
						
1 C=Concentration D	Deviation DM-	Delivered Matrix CS-Covered	Cond Crains			-
Type: C=Concentration, D= 2Location: PL=Pore Lining, I	•	Reduced Matrix CS=Covered	or Coaled Sand Grains.			
Hydric Soil Indicators (Ap _l	olicable to all LI	RRs, unless otherwise noted	d):	Indicators for F	Problematic Hydric S	oils³:
Histosol (A1)		Sandy Redox (S5)		2 cm Muck ((A10)	
Histic Epipedon (A2)		Stripped Matrix (S6))	Red Parent	Material (TF2)	
Black Histic (A3)		Loamy Mucky Mine	ral (F1) (except MLRA 1)	Very Shallov	w Dark Surface (TF12)
Hydrogen Sulfide (A4)		Loamy Gleyed Matr	ix (F2)	Other (Expla	ain in Remarks)	
Depleted Below Dark St	urface (A11)	Depleted Matrix (F3	3)			
Thick Dark Surface (A12	2)	Redox Dark Surface	e (F6)	3Indicators of hy	drophytic vegetation a	and watland
Sandy Mucky Mineral (S	31)	Depleted Dark Surfa	ace (F7)	•	be present, unless dis	
Sandy Gleyed Matrix (S	4)	Redox Depressions	(F8)	problematic.		
Restrictive Layer (if preser	nt):					
Type:				Hydric Soil		
				D		No X
Depth (inches):				Present?	Yes	NO X
Depth (inches):				Present?	Yes	
Depth (inches):	ors:			Present?	Yes	NO_X
Depth (inches): Remarks: HYDROLOGY		check all that apply)			Yes	
Depth (inches): Remarks: HYDROLOGY Wetland Hydrology Indicat			ves (B9) (except MLRA	Secondary Indic		ired)
Depth (inches): Remarks: HYDROLOGY Wetland Hydrology Indicate Primary Indicators (minimum			, , , ,	Secondary Indic	ators (2 or more requi	ired)
Depth (inches): Remarks: HYDROLOGY Wetland Hydrology Indicat Primary Indicators (minimum Surface Water (A1)		Water-Stained Leav	, , , ,	Secondary Indic Water-Stain 4A, and 4	ators (2 or more requi	ired)
Depth (inches): Remarks: HYDROLOGY Wetland Hydrology Indicate Primary Indicators (minimum Surface Water (A1) High Water Table (A2)		Water-Stained Leav 1, 2, 4A, and 4B)		Secondary Indic Water-Stain 4A, and 4	eators (2 or more requi ed Leaves (B9) (MLR/ B)	ired)
Depth (inches): Remarks: HYDROLOGY Wetland Hydrology Indicate Primary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3)	n of one required	Water-Stained Leav 1, 2, 4A, and 4B) Salt Crust (B11)	es (B13)	Secondary Indic Water-Stain 4A, and 4 Drainage Pa	eators (2 or more requi ed Leaves (B9) (MLR/ B) atterns (B10)	<u>ired)</u> A 1, 2,
Depth (inches): Remarks: HYDROLOGY Wetland Hydrology Indicat Primary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	n of one required	Water-Stained Leav 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrate Hydrogen Sulfide O	es (B13)	Secondary Indic Water-Stain 4A, and 4 Drainage Pa Dry-Season Saturation V	eators (2 or more requi ed Leaves (B9) (MLR/ B) atterns (B10) Water Table (C2)	<u>ired)</u> A 1, 2,
Depth (inches): Remarks: HYDROLOGY Wetland Hydrology Indicate Primary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)	n of one required	Water-Stained Leav 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrate Hydrogen Sulfide O Oxidized Rhizosphe Presence of Reduce	es (B13) Idor (C1) Peres along Living Roots (C3) Red Iron (C4)	Secondary Indic Water-Stain 4A, and 4 Drainage Pa Dry-Season Saturation V Geomorphic	eators (2 or more required Leaves (B9) (MLR/B) atterns (B10) Water Table (C2) //isible on Aerial Image Position (D2)	<u>ired)</u> A 1, 2,
Depth (inches): Remarks: HYDROLOGY Wetland Hydrology Indicate Primary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5)	n of one required	Water-Stained Leav 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrate Hydrogen Sulfide O Oxidized Rhizosphe Presence of Reduce Recent Iron Reducti	es (B13) Idor (C1) eres along Living Roots (C3) ed Iron (C4) ion in Tilled Soils (C6)	Secondary Indic Water-Stain 4A, and 4 Drainage Pa Dry-Season Saturation V Geomorphic Shallow Aqu FAC-Neutra	eators (2 or more required Leaves (B9) (MLR/B) atterns (B10) Water Table (C2) /isible on Aerial Image Position (D2) uitard (D3) I Test (D5)	ired) A 1, 2, ery (C9)
Depth (inches): Remarks: HYDROLOGY Wetland Hydrology Indicat Primary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6	n of one required	Water-Stained Leav 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrate Hydrogen Sulfide O Oxidized Rhizosphe Presence of Reduce Recent Iron Reducti	es (B13) Idor (C1) Pres along Living Roots (C3) Red Iron (C4) Red Iron in Tilled Soils (C6) Red Irons (D1) (LRR A)	Secondary Indic Water-Stain- 4A, and 4 Drainage Pa Dry-Season Saturation V Geomorphic Shallow Aqu FAC-Neutra Raised Ant I	eators (2 or more requi ed Leaves (B9) (MLR/ B) atterns (B10) Water Table (C2) /isible on Aerial Image e Position (D2) uitard (D3) I Test (D5) Mounds (D6) (LRR A)	ired) A 1, 2, ery (C9)
Depth (inches): Remarks: HYDROLOGY Wetland Hydrology Indicate Primary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on A6	n of one required	Water-Stained Leav 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrate Hydrogen Sulfide O Oxidized Rhizosphe Presence of Reduce Recent Iron Reducti Stunted or Stressed)	es (B13) Idor (C1) Pres along Living Roots (C3) Red Iron (C4) Red Iron in Tilled Soils (C6) Red Irons (D1) (LRR A)	Secondary Indic Water-Stain- 4A, and 4 Drainage Pa Dry-Season Saturation V Geomorphic Shallow Aqu FAC-Neutra Raised Ant I	eators (2 or more required Leaves (B9) (MLR/B) atterns (B10) Water Table (C2) /isible on Aerial Image Position (D2) uitard (D3) I Test (D5)	ired) A 1, 2, ery (C9)
Primary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6 Inundation Visible on Ae Sparsely Vegetated Cor	n of one required	Water-Stained Leav 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrate Hydrogen Sulfide O Oxidized Rhizosphe Presence of Reduce Recent Iron Reducti Stunted or Stressed)	es (B13) Idor (C1) Pres along Living Roots (C3) Red Iron (C4) Red Iron in Tilled Soils (C6) Red Irons (D1) (LRR A)	Secondary Indic Water-Stain- 4A, and 4 Drainage Pa Dry-Season Saturation V Geomorphic Shallow Aqu FAC-Neutra Raised Ant I	eators (2 or more requi ed Leaves (B9) (MLR/ B) atterns (B10) Water Table (C2) /isible on Aerial Image e Position (D2) uitard (D3) I Test (D5) Mounds (D6) (LRR A)	ired) A 1, 2, ery (C9)
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Remarks: HYDROLOGY Wetland Hydrology Indicate Primary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Action Sparsely Vegetated Corfield Observations: Surface Water Present? Water Table Present? Saturation Present? (includes capillary fringe)	of one required of one	Water-Stained Leav 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrate Hydrogen Sulfide O Oxidized Rhizosphe Presence of Reduce Recent Iron Reducti Stunted or Stressed Other (Explain in Research) No X D No D	es (B13) Idor (C1) Idor (C1) Idor (C4) Idor (C4) Idor (C4) Idor (C6) I	Secondary Indice Water-Stains 4A, and 4 Drainage Pa Dry-Season Saturation V Geomorphice Shallow Aqu FAC-Neutra Raised Ant I Frost-Heave Wetland Hydrology Present?	eators (2 or more required Leaves (B9) (MLR/B) atterns (B10) Water Table (C2) /isible on Aerial Image Position (D2) uitard (D3) I Test (D5) Mounds (D6) (LRR A)	ired) A 1, 2, ery (C9)
Remarks: HYDROLOGY Wetland Hydrology Indicate Primary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Action Sparsely Vegetated Corfield Observations: Surface Water Present? Water Table Present? Saturation Present? (includes capillary fringe)	of one required of one	Water-Stained Leav 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrate Hydrogen Sulfide O Oxidized Rhizosphe Presence of Reduce Recent Iron Reducti Stunted or Stressed Other (Explain in Research) No X D No D	es (B13) Idor (C1) Idor (C1) Idor (C4) Idor (C4) Idor (C4) Idor (C6) I	Secondary Indic Water-Stain 4A, and 4 Drainage Pa Dry-Season Saturation V Geomorphic Shallow Aqu FAC-Neutra Raised Ant I Frost-Heave Wetland Hydrology Present?	eators (2 or more required Leaves (B9) (MLR/B) atterns (B10) Water Table (C2) /isible on Aerial Image Position (D2) uitard (D3) I Test (D5) Mounds (D6) (LRR A)	ired) A 1, 2, ery (C9)

Exhibit A

WETLAND DETERMINATION DATA FORM – Western Mountains, Valleys and Coast Region

Project/Site: Oregon Street Business Par	k	City/Count	y: Sherwood / W	Vashington	Sampling Date	e: <u>3/8</u>	3/2021
Applicant/Owner: Oregon Street Business F	Park, LLC			State: OR	Sampling	Point:	12
Investigator(s): Stacey Reed, PWS and Son	ya Templeton	Section,	Township, Ran	ge: Sec. 28, T.2S., R.1W	., W.M.		
Landform (hillslope, terrace, etc.): Toeslop	e		Local relief (c	oncave, convex, none):	Concave	Slope (%)	: <3%
Subregion (LRR): A. Northwest Forests and	Coast L	at: 45.361094	Lo	ng: -122.823047	Datun	n:	
	silt loam, (Unit 5B), 0%				lassification:		
Are climatic / hydrologic conditions on the site		•		es X No	` ' '	ain in Rema	,
Are Vegetation, Soil Are Vegetation , Soil				re "Normal Circumstance If needed, explain any an	•	Yes X	_NO
						,	
SUMMARY OF FINDINGS - Attac			oint location	is, transects, impoi	tant reature	s, etc.	
Hydrophytic Vegetation Present? Hydric Soil Present?		No	Is the Samp	led Area			
Wetland Hydrology Present?		No No	within a Wet	tland?	(No		
	1 es <u>X</u>			1es/	<u> </u>		
Precipitation: According to the NWS Hillsboro weather stat	ion 0.01 inches of rainf	all was received o	n the day of and	1 02 inches within the tw	o weeks prior		
ribbording to the 14440 Fillisporo Weather State	ion, o.or mones or ranne	all was received of	ir the day of and	1.02 mones within the tw	o weeks prior.		
Remarks:							
VECETATION							
VEGETATION	A I I	Dt	les all a a fear	D T	l l 4.		
Tree Stratum (Plot Size: 30' r or)	Absolute % Cover	Dominant Species?	Indicator	Dominance Test wo Number of Dominant			
1.	<u>% Cover</u>	Species?	<u>Status</u>			2	(4)
2.				That Are OBL, FACW	, or FAC.	3	_(A)
3.				Total Number of Dom	inant		
4.				Species Across All St		4	(B)
	0% =	Total Cover		Species Across Air Or			_(D)
Sapling/Shrub Stratum (Plot Size: 10' r or		Total Cover		Percent of Dominant	Species		
Rubus armeniacus	 15%	Yes	FAC	That Are OBL, FACW	•	<u>75%</u>	(A/B)
2. Rosa nutkana	5%	Yes	FAC	Prevalence Index we			(,,,,)
3. Crataegus monogyna	2%	No	FAC	Total % Cover o		:	_
4.				OBL species () x 1 =	0	
5.	<u> </u>			FACW species (x 2 =	0	
	22% =	Total Cover		FAC species 3	3 x 3 =	99	
Herb Stratum (Plot Size: 5' r or)				FACU species (x 4 =	0	
1. Ranunculus repens	10%	Yes	FAC	UPL species	x 5 =	25	
2. Geranium molle	5%	Yes	NOL	Column Totals: 3	8 (A)	124	(B)
3. Rumex crispus	1%	No	FAC	Prevalence Index	c = B/A =	<u>3.26</u>	
4				Hydrophytic Vegeta	tion Indicators:	:	
5				1 - Rapid Test for		getation	
6				X 2 - Dominance Te			
7				3 - Prevalence In			
8				4 - Morphological			orting
9.					ks or on a separ		
10.				5 - Wetland Non-			\1
11				Problematic Hydr		, ,	•
Moody Vino Stratum (Plot Size: 10' r or	16% =	Total Cover		¹ Indicators of hydric s	oil and wetland	hydrology m	ıust
Woody Vine Stratum (Plot Size: 10' r or 1.				be present.			
2.				Hydrophytic			
		Total Cover		Vegetation	Yes X No	·	_
% Bare Ground in Herb Stratum 84%	<u></u>			Present?			
Remarks:				l			
-							

Exhibit A

0-8 10YR 3/2 98 7.5YR 3/3 2 C M SiL 8-16 10YR 3/2 90 7.5YR 3/4 10 C M SiL 90 7.5YR 3/4 10 C M SiL 90 7.5YR 3/4 10 C M SiL 90 T.5YR 3/4 10 C M M SiL 90 T.5YR 3/4 10 T.5YR 3	12	Sampling Point:							SOIL
Color (mosts)		·s):	nce of indicators)	confirm the abse	he indicator or	ded to document	e depth nee	(Describe to the	Profile Descripti
De-S 10YR 32 98 7.5YR 33 2 C M SiL				-eatures	Redox			Matrix	Depth
Fire	Remarks	Texture	Loc ²	Type ¹	%	Color (moist)	%	Color (moist)	(inches)
Type: C=Concentration, D=Depletion, RM=Reduced Matrix CS=Covered or Costed Sand Grains.		SiL	M	С	2	7.5YR 3/3	98	10YR 3/2	0-8
Purpose Lining, M=Matrix. Hydric Soil indicators (Applicable to all LRRs, unless otherwise noted): Histoso (A1) Histoso (A2) Black Histis (A3) Loamy Mucky Mineral (F1) (except MLRA 1) Hydrogen Sulfide (A4) Depleted Below Dark Surface (A11) Depleted Below Dark Surface (A11) Depleted Below Dark Surface (A11) Depleted Below Dark Surface (A12) Sandy Mexiv Mineral (S1) Sandy Mexiv Mineral (S1) Sandy Mexiv Mineral (S1) Sandy Mineral (S1) Sandy Mineral (S1) Depleted Dark Surface (F6) Sandy Mineral (S1) Sandy Mineral (S1) Sandy Mineral (S1) Sandy Mineral (S1) Present: **Problematic** **Present?** **Present?** **Present?** **Present?** **Present?** **Present?** **Present?** **Present?** **Present?** **Present Name Register (S1) Secondary Indicators (2 or more required) **Present?** **Present?** **Present?** **Present?** **Present?** **Present Name Register (S1) Secondary Indicators (2 or more required) **Present?** **Present?** **Present?** **Present?** **Present?** **Present?** **Present Name Register (S1) Secondary Indicators (2 or more required) **Present?** **Present Name Register (S1) Secondary Indicators (2 or more required) **Present?** **Presen		SiL	M	C	10	7.5YR 3/4	90	10YR 3/2	8-16
Publications Pt=Pore Lining, M=Matrix.** Hydric Soil indicators (Applicable to all LRRs, unless otherwise noted): Histosopic (A1) Also Histic Epipedon (A2) Black Histic (A3) Black Histic (A3) Depleted Artix (F3) Depleted Below Dark Surface (A11) Depleted Below Dark Surface (A11) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Medy Mineral (F1) (except MLRA 1) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mineral (F1) Sandy Gleyed Matrix (F3) Thick Dark Surface (F6) Sandy Gleyed Matrix (F3) Sandy Mineral (F1) Sandy Mineral								<u> </u>	<u> </u>
Publications Pt=Pore Lining, M=Matrix.** Hydric Soil indicators (Applicable to all LRRs, unless otherwise noted): Histosopic (A1) Also Histic Epipedon (A2) Black Histic (A3) Black Histic (A3) Depleted Artix (F3) Depleted Below Dark Surface (A11) Depleted Below Dark Surface (A11) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Medy Mineral (F1) (except MLRA 1) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mineral (F1) Sandy Gleyed Matrix (F3) Thick Dark Surface (F6) Sandy Gleyed Matrix (F3) Sandy Mineral (F1) Sandy Mineral								<u> </u>	
Publications Pt=Pore Lining, M=Matrix.** Hydric Soil indicators (Applicable to all LRRs, unless otherwise noted): Histosopic (A1) Also Histic Epipedon (A2) Black Histic (A3) Black Histic (A3) Depleted Artix (F3) Depleted Below Dark Surface (A11) Depleted Below Dark Surface (A11) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Medy Mineral (F1) (except MLRA 1) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mineral (F1) Sandy Gleyed Matrix (F3) Thick Dark Surface (F6) Sandy Gleyed Matrix (F3) Sandy Mineral (F1) Sandy Mineral		<u> </u>							
Publications Pt=Pore Lining, M=Matrix.** Hydric Soil indicators (Applicable to all LRRs, unless otherwise noted): Histosopic (A1) Also Histic Epipedon (A2) Black Histic (A3) Black Histic (A3) Depleted Artix (F3) Depleted Below Dark Surface (A11) Depleted Below Dark Surface (A11) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Medy Mineral (F1) (except MLRA 1) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mineral (F1) Sandy Gleyed Matrix (F3) Thick Dark Surface (F6) Sandy Gleyed Matrix (F3) Sandy Mineral (F1) Sandy Mineral									<u> </u>
PL=Pore Lining, M=Matrix. Hydric Soil Indicators (Applicable to all LRRs, unless otherwise noted):									
PL=Pore Lining, M=Matrix. Hydric Soil Indicators (Applicable to all LRRs, unless otherwise noted):						-			
Hydric Soil Indicators (Applicable to all LRRs, unless otherwise noted): Histosol (A1) Histosol (A1) Histosol (A2) Sandy Redox (S5) Histosol (A2) Sitipped Matrix (S6) Black Histo (A3) Loamy Mukey Mineral (F1) (except MLRA 1) Depleted Below Dark Surface (A11) Depleted Below Mark Surface (A12) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Redox Dark Surface (F7) Sandy Gleyed Matrix (S4) Restrictive Layer (if present): Type: Deplit (inches): Peppin (inches): Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Surface Water (A3) Surface Water (A3) Surface Water (A3) Surface Water (A3) Surface Water Table (A2) A Aquatic Invertebrates (B13) Sediment Deposits (B2) Dirift Deposits (B2) Dirift Deposits (B3) Oxidace Water (A1) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Water Present? Recent from Reduction in Tilled Soils (C8) Surface Water Present? Surface Water Present? Algal Mat or Crust (B4) Presence Reduced from (C4) Iron Deposits (B5) Recent from Reduced for in Tilled Soils (C8) Surface Water Present? Surface Water Present? Surface Water Present? Surface Water Present? Surface Water Roth (A3)				and Grains.	ered or Coated S	ced Matrix CS=Co			
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Depleted Below Dark Surface (A12)		low Dark Surface (TF12)	Very Shallow	ept MLRA 1)	Mineral (F1) (exc	Loamy Mucky	•)	Black Histic (A
Thick Dark Surface (A12)		olain in Remarks)	Other (Expla		Matrix (F2)	Loamy Gleyed	•	e (A4)	Hydrogen Sul
Sandy Mucky Mineral (S1)					x (F3)	Depleted Matr	11)	Dark Surface (A	Depleted Belo
Sandy Gleyed Matrix (S4) Redox Depressions (F8) problematic. Restrictive Layer (if present):	hnelter	bydrophytic vegetation and	³ Indicators of hy		, ,			, ,	
Restrictive Layer (if present):		, , , ,	hydrology must l		_ Depleted Dark Surface (F7)			• •	
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Algal Mat or Crust (B4)	29)	Visible on Aerial Imagery	Saturation V		de Odor (C1)	Hydrogen Sul		sits (B2)	Sediment Der
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Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No Depth (inches): Wetland Water Table Present? Yes X No Depth (inches): Hydrology Yes X No Saturation Present? Yes X No Depth (inches): 7" Present? Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		, , , ,		•	, ,		ery (B7)	, ,	
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Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:			11000.	·)	D0p ,.			_	
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Remarks:									
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WETLAND DETERMINATION DATA FORM – Western Mountains, Valleys and Coast Region

Are climate: Phydrologic conditions on the site byteral for this time of year?	Project/Site: Oregon Street Busin	ess Park	City/Count	y: Sherwood / W	/ashington	Sampling Date:	3/8/2021
Landform (hillslose, terrace, etc) Toestrope	Applicant/Owner: Oregon Street Bu	siness Park, LLC			State: OR	Sampling P	oint: 13
Submergino (LRRY: A Northwest Forests and Cosest	Investigator(s): Stacey Reed, PWS	and Sonya Templeton	Section,	Township, Rang	ge: Sec. 28, T.2S., R.1W	., W.M.	
Soli Map Unit Name	Landform (hillslope, terrace, etc.):	Toeslope		Local relief (co	oncave, convex, none):	Concave	Slope (%): <39
Soli Map Unit Name	Subregion (LRR): A. Northwest Fore	ests and Coast	Lat: 45.360908	Lor	ng: <u>-122.823274</u>	Datum:	
Are Vegetation Soil or Hydrology significantly daturbed? Are "Normal Circumstances" present? Yes X No Western Hydrology and extensive supervisions of the day of and 1.02 inches within the two weeks prior. SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transacts, important features, etc. Hydrologic Vegetation Present? Yes X No within a Wetland? Yes X No Wetland Hydrology Present? VEGETATION Absolute Dominant Indicator Species Status No Wetland Hydrology Present? Yes X No Wetland Hydrology Present Yes X No Wetland Hydrology Present? Yes X No Present? Yes X No Present? Yes X No Present?	Soil Map Unit Name: Briedw	ell stony silt loam, (Unit 5B), 0%	% to 7% slopes; No			lassification:	
SUMMARY OF FINDINGS — Attach site map showing sampling point locations, transects, important features, etc. Hydrophylio Vegetation Present? Yes X No within a Wetland? Yes X No Wetland Hydrology Present? Precipitation: According to the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of and 1.02 inches within the two weeks prior. Romarks: VEGETATION Absolute Deminant Indicator Species 1. Deminance Test worksheet: Trans Stratum (Plot Size: 30' r or) % Cover Species? Status Number of Dominant Species 1. Total Scover of Multiply by: Percent of Dominant Species 2. Prevalence Index worksheet: Total Scover of Multiply by: OBL species 0 x 1 = 0 Species Across All Strala: 4 (B) Percent of Dominant Species 1. Alopocurus protonsis 4. See Secure of Multiply by: OBL species 0 x 2 = 0 FACU OBL species 0 x 5 = 0 A Banachus segons 2. Agrossis species 2. My See Secure of Multiply by: OBL species 0 x 5 = 0 OBL species 0 x 2 = 0 FACU OBL species 0 x 5 = 0 OBL species 0 x 2 = 0 FACU OBL species 0 x 5 = 0 OBL species 0 x 5 = 0 OBL species 0 x 2 = 0 FACU OBL species 0 x 5 = 0 OBL species 0 x 2 = 0 FACU OBL species 0 x 5 = 0 OBL species 0 x 2 = 0 FACU OBL	, ,		•				
SUMMARY OF FINDINGS — Attach site map showing sampling point locations, transects, important features, etc. Hydrophylio Vegetation Present? Yes X No within a Wetland? Yes X No Wetland Hydrology Present? Precipitation: According to the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of and 1.02 inches within the two weeks prior. Romarks: VEGETATION Absolute Deminant Indicator Species 1. Deminance Test worksheet: Trans Stratum (Plot Size: 30' r or) % Cover Species? Status Number of Dominant Species 1. Total Scover of Multiply by: Percent of Dominant Species 2. Prevalence Index worksheet: Total Scover of Multiply by: OBL species 0 x 1 = 0 Species Across All Strala: 4 (B) Percent of Dominant Species 1. Alopocurus protonsis 4. See Secure of Multiply by: OBL species 0 x 2 = 0 FACU OBL species 0 x 5 = 0 A Banachus segons 2. Agrossis species 2. My See Secure of Multiply by: OBL species 0 x 5 = 0 OBL species 0 x 2 = 0 FACU OBL species 0 x 5 = 0 OBL species 0 x 2 = 0 FACU OBL species 0 x 5 = 0 OBL species 0 x 5 = 0 OBL species 0 x 2 = 0 FACU OBL species 0 x 5 = 0 OBL species 0 x 2 = 0 FACU OBL species 0 x 5 = 0 OBL species 0 x 2 = 0 FACU OBL	Are Vegetation , Soil	, or Hydrology	significantly di	sturbed? A		•	
Hydrophylic Vegetation Present? Yes X No							•
Second Present? Yes X No				oint location	ıs, transects, impor	tant features	etc.
Welland Hydrology Present? Yes X No				le the Comm	lad Araa		
Total Number of Dominant Species Total Cover Sapiling/Shrub Stratum (Plot Size: 10' r or) 1.				-	land?		
VEGETATION Absolute Dominant Indicator Species 2 Status Species 2 Status Species 2 Status Species 2 Species 2 Status Species 3 Status Species 4 Species 5 Species 4 Species 5 Species 5 Species 5 Species 6 Species	Wetland Hydrology Present?	Yes <u>X</u>	No	within a wet	Yes Yes	No	
Absolute Dominant Indicator Status Total Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)	Precipitation: According to the NWS Hillsboro weat	ther station, 0.01 inches of raint	all was received or	n the day of and	1.02 inches within the two	o weeks prior.	
Absolute Species 7 Status Indicator Status Species 2 Status	Remarks:						
Absolute Species 7 Status Indicator Status Species 2 Status							
Absolute Species 7 Status Indicator Status Species 2 Status							
Absolute Species Status Indicator Species Status Status Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)	VECETATION						
Tree Stratum (Plot Size: 30' r or	VEGETATION	A I I	Damain4	la ali a a t - ··	Dominana Tara	ukobost:	
That Are OBL, FACW, or FAC: 4 (A)	Tree Stratum (Plot Size: 30' r or						
2. 3. 4. 5. 5. 5. 5. 5. 5. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6.	1.	<u>// // Cover</u>	<u>Species?</u>	Status		•	4 (A)
Sapiling/Shrub Stratum (Plot Size: 10' r or)	2.				That Are OBL, FACW	, or FAC	(A)
Species Across All Strata: 4 (B)	3.				Total Number of Dom	inant	
Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B)	4.						4 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B)	-	0% =	Total Cover		Opedies Adioss Ali Ol		<u> </u>
That Are OBL, FACW, or FAC: 100% (A/B)	Sapling/Shrub Stratum (Plot Size: 10		Total Gover		Percent of Dominant	Species	
Prevalence Index worksheet: Total % Cover of: Multiply by:	1.					•	100% (A/B)
Total % Cover of: Multiply by: OBL species 0	2.					,	(,,,,)
FACW species O X 2 = O	3.		-	-			
Herb Stratum (Plot Size: 5' r or)	4.			-	OBL species () x 1 =	0
Herb Stratum (Plot Size: 5' r or) 1. Alopecurus pratensis	5.				FACW species (x 2 =	0
1. Alopecurus pratensis 2. Agrostis species 2. Agrostis species 2. Ranunculus repens 2. Schedonorus arundinaceus 3. Ranunculus repens 4. Schedonorus arundinaceus 10% Yes FAC Hydrophytic Vegetation Indicators: 5. Rumex crispus 3. No FAC 1 - Rapid Test for Hydrophytic Vegetation 6. Trifolium repens 2. No FAC X 2 - Dominance Test is >50% 7. Daucus carota 1. Taraxacum officinale 1. No FACU 3 - Prevalence Index is ≤3.0¹ 4. Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) 1. Problematic Hydrophytic Vegetation (Explain)¹ 11. Problematic Hydrophytic Vegetation (Explain)¹ 1 Indicators of hydric soil and wetland hydrology must be present. Woody Vine Stratum (Plot Size: 10' r or 1) 1. Present? Remarks:		0% =	Total Cover		FAC species 9	5 x 3 =	285
2.	Herb Stratum (Plot Size: 5' r or	<u></u>			FACU species 2	x 4 =	8
3. Ranunculus repens 20% Yes FAC Prevalence Index = BIA = 3.02 4. Schedonorus arundinaceus 10% Yes FAC Hydrophytic Vegetation Indicators: 5. Rumex crispus 3% No FAC 1 - Rapid Test for Hydrophytic Vegetation 6. Trifolium repens 2% No FAC X 2 - Dominance Test is >50% 7. Daucus carota 1% No FACU 3 - Prevalence Index is ≤3.0¹ 8. Taraxacum officinale 1% No FACU 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) 9.	Alopecurus pratensis	40%	Yes	FAC	UPL species (x 5 =	0
4. Schedonorus arundinaceus 10% Yes FAC Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 6. Trifolium repens 2% No FAC X 2 - Dominance Test is >50% 7. Daucus carota 1% No FACU 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) 5 - Wetland Non-Vascular Plants¹ Problematic Hydrophytic Vegetation (Explain)¹ 1ndicators of hydric soil and wetland hydrology must be present. 4 - Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation X 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) 5 - Wetland Non-Vascular Plants¹ Problematic Hydrophytic Vegetation (Explain)¹ 1Indicators of hydric soil and wetland hydrology must be present. Hydrophytic Vegetation Yes X No Present?		20%			Column Totals: 9	7 (A)	293 (E
5. Rumex crispus 6. Trifolium repens 7. Daucus carota 1. Rapid Test for Hydrophytic Vegetation 3. No FAC 7. Daucus carota 1. No FACU 3. Prevalence Index is ≤3.0¹ 4. Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) 5. Wetland Non-Vascular Plants¹ 11. Problematic Hydrophytic Vegetation (Explain)¹ 11. Problematic Hydrophytic Vegetation (Explain)¹ 12. Hydrophytic 2. Hydrophytic 3. Prevalence Index is ≤3.0¹ 4. Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) 5. Wetland Non-Vascular Plants¹ Problematic Hydrophytic Vegetation (Explain)¹ 1 Indicators of hydric soil and wetland hydrology must be present. Hydrophytic Vegetation Yes X No Present? Remarks:	3. Ranunculus repens	20%	Yes	FAC	Prevalence Index	= B/A =	3.02
6. Trifolium repens 2% No FAC 7. Daucus carota 1% No FACU 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) 5 - Wetland Non-Vascular Plants¹ Problematic Hydrophytic Vegetation (Explain)¹ 11.	Schedonorus arundinaceus	10%	Yes	FAC	Hydrophytic Vegeta	tion Indicators:	
7. Daucus carota 1. No FACU 3. Prevalence Index is ≤3.0¹ 4. Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) 5. Wetland Non-Vascular Plants¹ Problematic Hydrophytic Vegetation (Explain)¹ 11.	5. Rumex crispus	3%	No	FAC	1 - Rapid Test for	Hydrophytic Vege	etation
8. Taraxacum officinale 1% No FACU 4 - Morphological Adaptations 1 (Provide supporting data in Remarks or on a separate sheet) 5 - Wetland Non-Vascular Plants 1 Problematic Hydrophytic Vegetation (Explain) 1 11.	6. Trifolium repens	2%	No	FAC	X 2 - Dominance Te	est is >50%	
data in Remarks or on a separate sheet) 5 - Wetland Non-Vascular Plants 1 Problematic Hydrophytic Vegetation (Explain) 1 1Indicators of hydric soil and wetland hydrology must be present. Hydrophytic Wegetation Yes X No Present? Remarks:	7. Daucus carota	1%	No	FACU	3 - Prevalence In	dex is ≤3.0 ¹	
10	8. Taraxacum officinale	1%	No	FACU	4 - Morphological	Adaptations ¹ (Pro	ovide supporting
Problematic Hydrophytic Vegetation (Explain) 97% = Total Cover Indicators of hydric soil and wetland hydrology must be present. Hydrophytic Vegetation (Explain)	9.				data in Remar	ks or on a separa	te sheet)
97% = Total Cover Indicators of hydric soil and wetland hydrology must be present.	10						
Woody Vine Stratum (Plot Size: 10' r or) be present.	11						
2.			Total Cover			oil and wetland hy	drology must
0% = Total Cover Vegetation Yes X No No No No No No No	1. 2.				Hydrophytic		
	% Bare Ground in Herb Stratum		Total Cover		Vegetation	Yes X No	
	Domoulou						

Exhibit A

SOIL							Sampling Point:	13
Profile Descrip	otion (Describe to	o the depth nee	eded to document th	ne indicator or	confirm the abse	ence of indicators	s):	
Depth	M	latrix		Redox	Features			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-10	10YR 3/2	95	7.5YR 3/3	5	С	M	SiL	
10-16	10YR 4/1	95	7.5YR 4/6	5	С	M	SiCl	
		<u> </u>						
	- <u>-</u>			<u> </u>				
				<u> </u>				
	· —				<u> </u>			
¹ Type: C=Conce	entration, D=Depl	letion, RM=Redu	uced Matrix CS=Cove	ered or Coated	Sand Grains.			
² Location: PL=P	Pore Lining, M=Ma	atrix.						
Hydric Soil Indi	icators (Applicat	ble to all LRRs,	unless otherwise n	oted):		Indicators for	Problematic Hydric So	oils³:
Histosol (A1	1)		Sandy Redox (S	35)		2 cm Muck	(A10)	
Histic Epipe	edon (A2)		Stripped Matrix	(S6)		Red Paren	nt Material (TF2)	
Black Histic	c (A3)		Loamy Mucky M	∕lineral (F1) (exc	cept MLRA 1)	Very Shall	ow Dark Surface (TF12))
Hydrogen S	Sulfide (A4)	•	Loamy Gleyed N	Matrix (F2)		Other (Exp	olain in Remarks)	
Depleted Be	selow Dark Surface	e (A11)	X Depleted Matrix	(F3)				
Thick Dark	Surface (A12)	•	X Redox Dark Sur			a		
	cky Mineral (S1)		Depleted Dark S	. ,			nydrophytic vegetation a st be present, unless dist	
	yed Matrix (S4)		Redox Depressi	, ,		problematic.	t be present, unious a	.urbea or
Restrictive Laye	. ,			-	$\overline{}$			
Тур	· · ·					Hydric Soil		
Depth (inches)	·					Present?	Yes X	No
	·							
HYDROLOG	·v							
	logy Indicators:							
	ors (minimum of or		ck all that apply)			Secondary Ind	licators (2 or more requir	red)
		ne required, one		- 	+ NAI DA	-	•	
Surface Water X High Water	` ,		Water-Stained L	, , ,	сері ічіцта		ined Leaves (B9) (MLRA 4R)	₹ 1, ∠ ,
X High Water X Saturation (A			1, 2, 4A, and Salt Crust (B11)			4A, and	4B) Patterns (B10)	
Water Marks				•			, ,	
_	• •		Aquatic Inverteb	` '		Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9)		
	Deposits (B2)		Hydrogen Sulfid	, ,	:-: Boots (C2)		-	ry (Ca)
Drift Deposit	, ,				Living Roots (C3)	 ·	nic Position (D2)	
Algal Mat or	` ,		Presence of Rec	` ,	,		quitard (D3)	
Iron Deposit	` '		Recent Iron Rec		` '		ral Test (D5)	
_	oil Cracks (B6)	·(D7)	Stunted or Stres	•) (LKK A)		t Mounds (D6) (LRR A)	
	Visible on Aerial Ir		Other (Explain in	n Remarks)		Frost-Heav	ve Hummocks (D7)	
	egetated Concave	Surface (B8)						
Field Observati								
Surface Water F		Yes	No X	Depth (inche		Wetland		
Water Table Pre		Yes X	No	Depth (inche		Hydrology	y Yes <u>X</u>	No
Saturation Pres		Yes X	No	Depth (inche	es): Surface	Present?		
(includes capilla	ary ininge,							
Describe Reco	orded Data (strea	am gauge, moni	itoring well, aerial p	hotos, previou	ıs inspections), i	l f available:		
		• -	-	- -	•			
Remarks:								
Hydrology driver	n by surface wate	r from upslope s	seeps. Pit left open ap	pproximately 1 r	nour.			

WETLAND DETERMINATION DATA FORM – Western Mountains, Valleys and Coast Region

Landform (hillslope, terrace, etc.): Toeslope Local re Subregion (LRR): A. Northwest Forests and Coast Lat: 45.360956 Soil Map Unit Name: Briedwell stony silt loam, (Unit 5B), 0% to 7% slopes; Non-hydric Are climatic / hydrologic conditions on the site typical for this time of year? Are Vegetation , Soil , or Hydrology significantly disturbed? Are Vegetation , Soil , or Hydrology naturally problematic? SUMMARY OF FINDINGS – Attach site map showing sampling point local Hydrophytic Vegetation Present? Yes X No Hydric Soil Present? Yes No X Is the St	Sampled Area a Wetland? Yes NoX of and 1.02 inches within the two weeks prior.
Landform (hillslope, terrace, etc.): Toeslope Local re Subregion (LRR): A. Northwest Forests and Coast Lat: 45.360956 Soil Map Unit Name: Briedwell stony silt loam, (Unit 5B), 0% to 7% slopes; Non-hydric Are climatic / hydrologic conditions on the site typical for this time of year? Are Vegetation , Soil , or Hydrology significantly disturbed? Are Vegetation , Soil , or Hydrology naturally problematic? SUMMARY OF FINDINGS — Attach site map showing sampling point local Hydrophytic Vegetation Present? Yes X No Hydric Soil Present? Yes No X Wetland Hydrology Present? Yes No X Precipitation: According to the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of the NWS Hillsboro weather station of the NWS H	lief (concave, convex, none): Convex Slope (%): <3% Long: -122.823328 Datum: NWI classification: None
Subregion (LRR): A. Northwest Forests and Coast	Long:122.823328
Soil Map Unit Name: Briedwell stony silt loam, (Unit 5B), 0% to 7% slopes; Non-hydric Are climatic / hydrologic conditions on the site typical for this time of year? Are Vegetation, Soil, or Hydrology significantly disturbed?	NWI classification: None Yes X No (If no, explain in Remarks) Are "Normal Circumstances" present? Yes X No (If needed, explain any answers in Remarks.) ations, transects, important features, etc. Sampled Area a Wetland? Yes No X If and 1.02 inches within the two weeks prior. Dominance Test worksheet: Sumber of Dominant Species That Are OBL, FACW, or FAC: 5 (A) Total Number of Dominant
Are climatic / hydrologic conditions on the site typical for this time of year? Are Vegetation, Soil, or Hydrology significantly disturbed? Are Vegetation, Soil, or Hydrology naturally problematic? SUMMARY OF FINDINGS — Attach site map showing sampling point located by the sample sampling point located by the sampling	Yes X No (If no, explain in Remarks) Are "Normal Circumstances" present? Yes X No (If needed, explain any answers in Remarks.) ations, transects, important features, etc. Sampled Area a Wetland? Yes No X If and 1.02 inches within the two weeks prior. Dominance Test worksheet: Sumber of Dominant Species That Are OBL, FACW, or FAC: 5 (A) Total Number of Dominant
Are Vegetation , Soil , or Hydrology significantly disturbed? Are Vegetation , Soil , or Hydrology naturally problematic? SUMMARY OF FINDINGS – Attach site map showing sampling point local Hydrophytic Vegetation Present? Yes X No X Is the Second Hydrology Present? Yes No X Wetland Hydrology Present? Yes No X Within Second Hydrology Present? Yes No X No X Within Second Hydrology Present? Yes No X No X Within Second Hydrology Present? Yes No X No X Within Second Hydrology Present? Yes No X No	Are "Normal Circumstances" present? Yes X No (If needed, explain any answers in Remarks.) ations, transects, important features, etc. Sampled Area a Wetland? Yes No X of and 1.02 inches within the two weeks prior. Dominance Test worksheet: S Number of Dominant Species That Are OBL, FACW, or FAC: 5 (A) Total Number of Dominant
Are Vegetation, Soil, or Hydrologynaturally problematic? SUMMARY OF FINDINGS — Attach site map showing sampling point local Hydrophytic Vegetation Present?	(If needed, explain any answers in Remarks.) ations, transects, important features, etc. Sampled Area a Wetland? Yes No X of and 1.02 inches within the two weeks prior. Dominance Test worksheet: S Number of Dominant Species That Are OBL, FACW, or FAC: 5 (A) Total Number of Dominant
SUMMARY OF FINDINGS – Attach site map showing sampling point local Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Precipitation: According to the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of Remarks: VEGETATION Absolute Dominant Indicated Section of Section 1. Cover Species? Status 1. Down = Total Cover Sapling/Shrub Stratum (Plot Size: 10' r or 1) Crataegus monogyna 15% Yes FAC Rosa nutkana 10% Yes FAC AC 3. 4.	Actions, transects, important features, etc. Sampled Area a Wetland? Yes No X If and 1.02 inches within the two weeks prior. Dominance Test worksheet: S Number of Dominant Species That Are OBL, FACW, or FAC: 5 (A) Total Number of Dominant
Hydrophytic Vegetation Present? Hydric Soil Present? Yes No X Wetland Hydrology Present? Yes No X Wetland Hydrology Present? Yes No X Within S Precipitation: According to the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of the NWS Hillsboro weather station, 0.01 inches of rainfall was recei	Sampled Area a Wetland? Yes NoX If and 1.02 inches within the two weeks prior. Tor Dominance Test worksheet: S Number of Dominant Species That Are OBL, FACW, or FAC: 5 (A) Total Number of Dominant
Hydric Soil Present? Wetland Hydrology Present? Yes No X within a Precipitation: According to the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of Remarks: VEGETATION Absolute Dominant Indicates Species? Status Species? 1. 2. 3. 4. 0% = Total Cover Sapling/Shrub Stratum (Plot Size: 10' r or) 1. Crataegus monogyna 15% Yes FAC Rosa nutkana 10% Yes FAC AC 3. 4. 10% Yes FAC 4. 10	a Wetland? Yes NoX If and 1.02 inches within the two weeks prior. Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: 5 (A) Total Number of Dominant
Wetland Hydrology Present? Yes No X within a Precipitation: According to the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of Remarks: WEGETATION Absolute Dominant Indicate Stratum (Plot Size: 30' r or) % Cover Species? Statustion. 2. 3. 4. 0% = Total Cover Sapling/Shrub Stratum (Plot Size: 10' r or) 1. Crataegus monogyna 15% Yes FAC Rosa nutkana 10% Yes FAC 3. 4.	a Wetland? Yes NoX of and 1.02 inches within the two weeks prior. Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: 5 (A) Total Number of Dominant
Precipitation: According to the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of the NWS Hillsboro weather station, 0.01	f and 1.02 inches within the two weeks prior. Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: 5 (A) Total Number of Dominant
According to the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of the NWS Hillsboro weather station, 0.01 inches of rainfall was received on the day of the NWS Hillsboro weather station was received on the day of the NWS Hillsboro weather station was received on the day of the NWS Hillsboro w	Tor Dominance Test worksheet: S Number of Dominant Species That Are OBL, FACW, or FAC: 5 (A) Total Number of Dominant
VEGETATION Absolute Dominant Species? Indicate Stratum (Plot Size: 30' r or) % Cover Species? Statu 1. 2. 3. 4. ———————————————————————————————————	Tor Dominance Test worksheet: S Number of Dominant Species That Are OBL, FACW, or FAC: 5 (A) Total Number of Dominant
VEGETATION Absolute Dominant Indicat Tree Stratum (Plot Size: 30' r or) % Cover Species? Statu 1. 2. 3. 4.	Number of Dominant Species That Are OBL, FACW, or FAC: 5 (A) Total Number of Dominant
Absolute Dominant Indicat % Cover Species? Stature Species? Species? Stature Species? Stature Species? Species? Stature Species? Species? Stature Species? Species? Stature Species? Species? Species? Stature Species? Species. Species	Number of Dominant Species That Are OBL, FACW, or FAC: 5 (A) Total Number of Dominant
Absolute Dominant Indicat % Cover Species? Stature Species? Species? Stature Species? Stature Species? Species? Stature Species? Species? Stature Species? Species? Stature Species? Species? Species? Stature Species? Species. Species	Number of Dominant Species That Are OBL, FACW, or FAC: 5 (A) Total Number of Dominant
Absolute Dominant Indicat % Cover Species? Stature Species? Species? Stature Species? Stature Species? Species? Stature Species? Species? Stature Species? Species? Stature Species? Species? Species? Stature Species? Species. Species	Number of Dominant Species That Are OBL, FACW, or FAC: 5 (A) Total Number of Dominant
Absolute Dominant Indicat % Cover Species? 1. 2. 3. 4. 0%	Number of Dominant Species That Are OBL, FACW, or FAC: 5 (A) Total Number of Dominant
Cover Species? Stature Statu	Number of Dominant Species That Are OBL, FACW, or FAC: 5 (A) Total Number of Dominant
1.	That Are OBL, FACW, or FAC: 5 (A) Total Number of Dominant
2. 3. 4	Total Number of Dominant
1.	
1.	
Sapling/Shrub Stratum (Plot Size: 10' r or) 1 Crataegus monogyna 15% Yes FAC 2. Rosa nutkana 10% Yes FAC 3. 4. Image: Control of the control of t	Species Across Air Strata.
Sapling/Shrub Stratum (Plot Size: 10' r or) 1 Crataegus monogyna 15% Yes FAC 2. Rosa nutkana 10% Yes FAC 3. 4. Image: Control of the control of t	
1. Crataegus monogyna 15% Yes FAC 2. Rosa nutkana 10% Yes FAC 3. 4.	Percent of Dominant Species
2. Rosa nutkana 10% Yes FAC 3. 4.	
3. 4.	(112)
	Total % Cover of: Multiply by:
	OBL species 0 x 1 = 0
0.	FACW species 0 x 2 = 0
25% = Total Cover	FAC species 103 x 3 = 309
Herb Stratum (Plot Size: 5' r or)	FACU species 23 x 4 = 92
1. Schedonorus arundinaceus 30% Yes FAC	UPL species 0 x 5 = 0
2. Agrostis species 20% Yes FAC°	
3. Poa species 20% Yes FAC°	Prevalence Index = B/A = 3.18
4. Hypochaeris radicata 10% Yes FACU	Hydrophytic Vegetation Indicators:
5. Taraxacum officinale 5% No FACU	1 - Rapid Test for Hydrophytic Vegetation
6. Ranunculus repens 5% No FAC	X 2 - Dominance Test is >50%
7. Leucanthemum vulgare 5% No FACU	J 3 - Prevalence Index is ≤3.0 ¹
3. Trifolium repens 3% No FAC	4 - Morphological Adaptations ¹ (Provide supporting
9. Daucus carota 3% No FACU	data in Remarks or on a separate sheet)
10	5 - Wetland Non-Vascular Plants ¹
11	Problematic Hydrophytic Vegetation (Explain) ¹
101% = Total Cover	¹ Indicators of hydric soil and wetland hydrology must
Woody Vine Stratum (Plot Size: 10' r or)	be present.
1	Hydrophytic
0% = Total Cover	Vegetation Yes X No
% Bare Ground in Herb Stratum 0%	Present?
Remarks:	

Exhibit A

SOIL							Sampling Point:	14	
Profile Descrip	otion (Describe	to the depth ne	eded to document th	e indicator or	confirm the abse	nce of indicator	rs):		
Depth		Matrix		Redox	Features				
(inches)	Color (moist)	:) %	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
0-12	10YR 3/2	98	7.5YR 3/4	2	С	М	SiL		
12-16	10YR 4/1	99	7.5YR 4/6	1	С	М	SiL		
	<u> </u>		_						
	<u> </u>								
	<u> </u>								
					<u> </u>				
4		_			<u> </u>				
		•	uced Matrix CS=Cove	red or Coated	Sand Grains.				
	Pore Lining, M=N			·n .				3	
•		ible to all LKKs,	, unless otherwise no	·			r Problematic Hydric S	oils°:	
Histosol (A1	•		Sandy Redox (S	•		2 cm Muc	, ,		
Histic Epipe	` ,		Stripped Matrix (nt Material (TF2)	-	
Black Histic	• ,		<u> </u>				nallow Dark Surface (TF12)		
Hydrogen S	` ,	/A 4 4\	Loamy Gleyed M	, ,		Other (Explain in Remarks)			
	elow Dark Surfac	се (A11)	Depleted Matrix	• •					
	Surface (A12) ky Mineral (S1)		Redox Dark Surf Depleted Dark S				hydrophytic vegetation a		
	ed Matrix (S4)		Redox Depression	• •		hydrology must be present, unless disturbed or problematic.		turbed or	
	. ,		Nedox Debices	ons (Fo)		рголентано.			
Restrictive Lay									
Typ						Hydric Soil		v	
Depth (inches)):					Present?	Yes	No X	
Remarks:									
1									
HYDROLOG									
Wetland Hydrol									
			eck all that apply)			Secondary Inc	dicators (2 or more requi	red)	
Surface Wa		Jilo roquirea, c	Water-Stained L	- 	rcent MI RΔ		ained Leaves (B9) (MLR		
High Water	` ,		1, 2, 4A, and		.cept iviLi to	4A, and	` , `	11, 4,	
Saturation (A			Salt Crust (B11)				Patterns (B10)		
Water Marks			Aquatic Inverteb			<u> </u>	on Water Table (C2)		
	Deposits (B2)		Hydrogen Sulfide	` ,		<u> </u>	n Visible on Aerial Image	rv (C9)	
Drift Deposit				. ,	Living Roots (C3)		hic Position (D2)	., (55)	
Algal Mat or	, ,		Presence of Red		. ,	Shallow A			
Iron Deposit	, ,		Recent Iron Red	` ,	•		tral Test (D5)		
	il Cracks (B6)		Stunted or Stres		` ,		nt Mounds (D6) (LRR A)		
	Visible on Aerial	Imagery (B7)	Other (Explain in	,			ave Hummocks (D7)		
	egetated Concav			•					
Field Observati			-						
Surface Water F		Yes	No X	Depth (inche	÷s):	Wetland			
Water Table Pre		Yes		Depth (inche		Hydrolog	y Yes	No X	
Saturation Pres			No No	Depth (inche		Present?			
(includes capilla			-	• `	, <u> </u>				
						<u> </u>			
Describe Reco	orded Data (stre	am gauge, mon	itoring well, aerial ph	notos, previou	ıs inspections), ır	available:			
Remarks:									
	oproximately 1 ho	our. Saturation at	t bottom of pit, no free	water.					



Appendix E: Photo Location Map and Site Photographs



Photo A. View north of wetland Plot 1 with Wetland A boundary and upland Plot 2.



Photo B. View southeast of upland Plot 2 and Wetland A boundary.



Photo C. View facing south of upland Plot 3 towards Wetland A.



Photo D. View north of Wetland A.



Photo E. View north of wetland A boundary and wetland Plots 4 and 12 with upland Plots 5 and 7 at a higher elevation than the wetland.



Photo G. View south from the northwestern corner of the site towards Wetland A. Shows the site slopes gradually towards the wetland and no roadside ditches.



Photo F. View facing north from Wetland A towards wetland Plot 13 and upland Plots 6, 5, and 14. Photo shows are were wetland was parally filled under WD2000-0488 and slopes gradually higher into the wetland.



Photo H. View northeast of upland field within study area.



Photo I. View east of upland Plot 10.



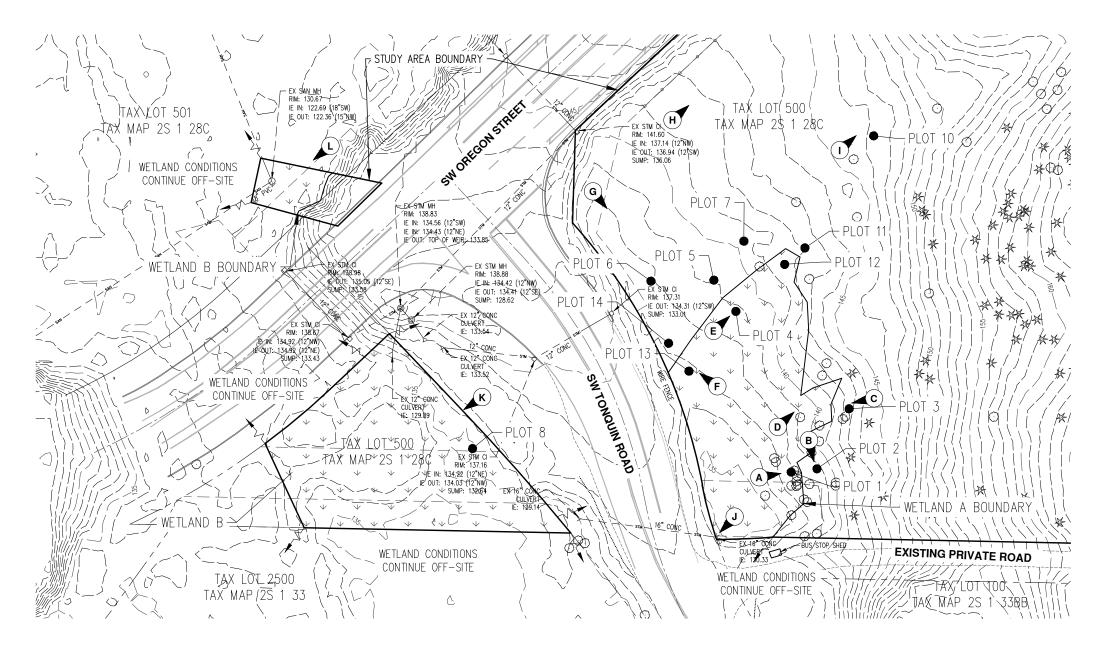
Photo J. View of culvert under SW Tonquin Road within Wetland A.



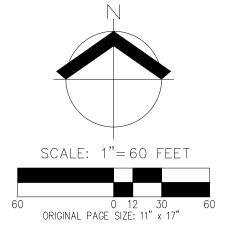
Photo K. View facing west of Wetland B on the west side of SW Tonquin Road in area of wetland enhancement and excavaon of depressional area per DSL RF-24010.



Photo L. View facing west of Wetland B on the north side of SW Oregon Street.



LEGEND



TOTAL ON-SITE WETLAND: 25,759 SF± (0.59 ACRES±)

PSS/PEM/SLOPE WETLAND A: 11,430 SF± (0.26 ACRES±) PEM/SLOPE/RIVERINE WETLAND B: 14,329 SF± (0.33 ACRES±)



(A) PHOTO LOCATIONS & ORIENTATION

WETLAND BOUNDARIES SHOWN WERE DELINEATED BY AKS ENGINEERING & FORESTRY, LLC ON MARCH 8, 2021 AND WERE PROFESSIONALLY LAND SURVEYED BY AKS ON MARCH 10, 2021

1-FOOT INTERVAL GROUND CONTOURS DERIVED FROM NOAA LIDAR. EXISTING CONDITIONS AND STUDY AREA ARE DERIVED FROM LAND SURVEY WITH SUB-METER ACCURACY.

WETLAND DELINEATION

DATE: 04/08/2021 FIGURE

5A

OREGON STREET BUSINESS PARK WETLAND DELINEATION REPORT

AKS ENGINEERING & FORESTRY, LLC 12965 SW HERMAN RD, STE 100 TUALATIN, OR 97062 503.563.6151 WWW.AKS-ENG.COM

<u>DRWN:</u>SK1 CHKD: SAR AKS JOB: 7971



Exhibit F: Ownership Information



121 SW Morrison Street, Suite 300 Portland, OR 97204 Phn - (503)222-3651 (800)929-3651 Fax - (877)242-3513

PUBLIC RECORD REPORT FOR NEW SUBDIVISION OR LAND PARTITION

THIS REPORT IS ISSUED BY THE ABOVE-NAMED COMPANY ("THE COMPANY") FOR THE EXCLUSIVE USE OF:

AKS Engineering & Forestry LLC 12965 SW Herman RD STE 100 Tualatin, OR 97062

Phone: (503)563-6151 Fax: (503)563-6152

Date Prepared: March 02, 2020

Effective Date : 8:00 A.M on February 21, 2020

Order No. : 7019-3402741

Subdivision :

The information contained in this report is furnished by First American Title Insurance Company (the "Company") as an information service based on the records and indices maintained by the Company for the county identified below. This report is not title insurance, is not a preliminary title report for title insurance, and is not a commitment for title insurance. No examination has been made of the Company's records, other than as specifically set forth in this report. Liability for any loss arising from errors and/or omissions is limited to the lesser of the fee paid or the actual loss to the Customer, and the Company will have no greater liability by reason of this report. This report is subject to the Definitions, Conditions and Stipulations contained in it.

REPORT

A. The Land referred to in this report is located in the County of Washington, State of Oregon, and is described as follows:

As fully set forth on Exhibit "A" attached hereto and by this reference made a part hereof.

B. As of the Effective Date, the tax account and map references pertinent to the Land are as follows:

As fully set forth on Exhibit "A" attached hereto and by this reference made a part hereof.

C. As of the Effective Date and according to the Public Records, we find title to the land apparently vested in:

As fully set forth on Exhibit "B" attached hereto and by this reference made a part hereof

D. As of the Effective Date and according to the Public Records, the Land is subject to the following liens and encumbrances, which are not necessarily shown in the order of priority:

As fully set forth on Exhibit "C" attached hereto and by this reference made a part hereof.

EXHIBIT "A" (Land Description Map Tax and Account)

THE SOUTHWEST ONE-QUARTER OF THE SOUTHWEST ONE-QUARTER OF SECTION 28, TOWNSHIP 2 SOUTH, RANGE 1 WEST OF THE WILLAMETTE MERIDIAN, IN THE COUNTY OF WASHINGTON AND STATE OF OREGON.

EXCEPTING THEREFROM THAT TRACT CONVEYED TO JOHN CAMPBELL BY DEED RECORDED IN BOOK 56, PAGE 232, WASHINGTON COUNTY, OREGON, WHICH TRACT IS DESCRIBED AS FOLLOWS:

PART OF THE SOUTHWEST ONE-QUARTER OF SECTION 28, TOWNSHIP 2 SOUTH, RANGE 1 WEST OF THE WILLAMETTE MERIDIAN, IN THE COUNTY OF WASHINGTON AND STATE OF OREGON. BEGINNING AT THE SOUTHWEST CORNER OF SAID SECTION 28, AND THENCE NORTH ON THE WEST SECTION LINE 16.41 CHAINS TO THE CENTER OF THE DITCH; THENCE UP SAID DITCH SOUTH 21° 1/2" EAST 7.92 CHAINS AND SOUTH 26° EAST 10.01 CHAINS TO THE SOUTH LINE OF SAID SECTION 28; THENCE WEST ON SAID LINE 7.32 CHAINS TO THE POINT OF BEGINNING.

ALSO EXCEPTING THEREFROM PART OF THE SOUTHWEST ONE-QUARTER OF THE SOUTHWEST ONE-QUARTER OF SECTION 28, TOWNSHIP 2 SOUTH, RANGE 1 WEST OF THE WILLAMETTE MERIDIAN, IN THE COUNTY OF WASHINGTON AND STATE OF OREGON, DESCRIBED AS FOLLOWS:

BEGINNING AT THE NORTHWEST CORNER OF THE SOUTHWEST ONE-QUARTER OF THE SOUTHWEST ONE-QUARTER OF SAID SECTION 28; THENCE SOUTH 0° 08' 14" EAST ALONG THE WEST LINE OF SAID SECTION 28, 241.02 FEET TO THE MOST NORTHERLY POINT OF THAT PARCEL DEEDED BY P.P. BAILEY AND WIFE TO JOHN CAMPBELL, RECORDED BY DEED DATED MARCH 9, 1901, RECORDED MARCH 26, 1901, IN BOOK 56, PAGE 232, OF WASHINGTON COUNTY DEED RECORDS, SAID POINT ALSO BEING IN THE CENTER OF A DITCH DESCRIBED IN SAID BAILEY DEED; THENCE SOUTH 21° 43' 30" EAST FOLLOWING SAID DITCH CENTERLINE 523.00 FEET (522.72 DEED); THENCE CONTINUING ALONG SAID DITCH CENTERLINE SOUTH 26° 13' 30" EAST 530.95 FEET TO THE NORTHERLY RIGHT OF WAY LINE OF COUNTY ROAD NO. 492; THENCE NORTH 45° 19' EAST ALONG SAID COUNTY ROAD RIGHT OF WAY LINE 664.92 FEET; THENCE CONTINUING ALONG SAID COUNTY ROAD RIGHT OF WAY LINE NORTH 38° 09' 44" EAST 723.79 FEET TO THE EAST LINE OF THE SOUTHWEST ONE-QUARTER OF THE SOUTHWEST ONE-QUARTER OF SAID SECTION 28; THENCE NORTH 0° 08' 44" WEST ALONG SAID EAST LINE OF THE SOUTHWEST ONE-QUARTER OF THE SOUTHWEST ONE-QUARTER OF SECTION 28, 218.67 FEET TO A STONE AND THE NORTHEAST CORNER THEREOF; THENCE SOUTH 89° 52' 44" WEST ALONG THE NORTH LINE OF THE SOUTHWEST ONE-QUARTER OF THE SOUTHWEST ONE-QUARTER OF SAID SECTION 28, 1309.43 FEET TO THE POINT OF BEGINNING.

AND FURTHER EXCEPTING A PART OF THE SOUTHWEST ONE-QUARTER OF SECTION 28, TOWNSHIP 2 SOUTH, RANGE 1 WEST OF THE WILLAMETTE MERIDIAN, IN THE COUNTY OF WASHINGTON AND STATE OF OREGON, DESCRIBED AS FOLLOWS:

BEGINNING AT A STONE AT THE NORTHWEST CORNER OF THE SOUTHEAST ONE-QUARTER OF THE SOUTHWEST ONE-QUARTER OF SAID SECTION 28; THENCE SOUTH 0° 08' 44" EAST ALONG THE WEST LINE OF THE SOUTHEAST ONE-QUARTER OF THE SOUTHWEST ONE-QUARTER OF SAID SECTION 28, 218.67 FEET TO THE NORTHERLY RIGHT OF WAY LINE OF COUNTY ROAD NO. 492; THENCE NORTH 38° 09' 44" EAST ALONG SAID COUNTY ROAD RIGHT OF WAY 281.47 FEET TO THE NORTH LINE OF THE SOUTHEAST ONE-QUARTER OF SAID SECTION 28; THENCE SOUTH 89° 08' 16" WEST ALONG THE NORTH LINE OF THE SOUTHEAST ONE-QUARTER OF SAID SECTION 28, 174.49 FEET TO THE POINT OF BEGINNING.

NOTE: This Legal Description was created prior to January 01, 2008.

Map No.: 2S128C-00500

Tax Account No.: R1492192 and R547466

EXHIBIT "B" (Vesting)

Bruce D. Polley and Karen M. Polley, as tenants by the entirety

EXHIBIT "C" (Liens and Encumbrances)

- 1. The assessment roll and the tax roll disclose that the within described premises were specially zoned or classified for Farm use. If the land has become or becomes disqualified for such use under the statute, an additional tax or penalty may be imposed.
- 2. A Potential Additional Tax liability is due in the amount of \$2,896.94 for the tax year 2019-2020 (Affects APN #R1492192)
- 3. A Potential Additional Tax liability is due in the amount of \$367.19 for the tax year 2019-2020 (Affects APN #R547466)
- 4. Statutory powers and assessments of Clean Water Services.
- 5. The rights of the public in and to that portion of the premises herein described lying within the limits of streets, roads and highways.
- 6. Easement, including terms and provisions contained therein:

Recording Information: January 14, 1954 as Book 352, Page 329

In Favor of: Portland General Electric Company, a corporation of Oregon

For: Electrical lines, telephone lines and appurtenances

Affects: Exact location not disclosed

7. Easement, including terms and provisions contained therein:

Recording Information: April 07, 1959 as Book 416, Page 167

In Favor of: Portland General Electric Company, an Oregon corporation

For: Electric power transmission lines
Affects: Exact location not disclosed

8. Unrecorded leases or periodic tenancies, if any.

NOTE: Taxes for the year 2019-2020 PAID IN FULL

 Tax Amount:
 \$3,575.87

 Map No.:
 2S128C-00500

 Property ID:
 R1492192

 Tax Code No.:
 088.13

NOTE: Taxes for the year 2019-2020 PAID IN FULL

 Tax Amount:
 \$100.74

 Map No.:
 2S128C-00500

 Property ID:
 R547466

 Tax Code No.:
 088.09

NOTE: This Public Record Report does not include a search for Financing Statements filed in the Office of the Secretary of State, or in a county other than the county wherein the premises are situated, and no liability is assumed if a Financing Statement is filed in the Office of the County Clerk covering Crops on the premises wherein the lands are described other than by metes and bounds or under the rectangular survey system or by recorded lot and block.

DEFINITIONS, CONDITIONS AND STIPULATIONS

- 1. Definitions. The following terms have the stated meaning when used in this report:
 - (a) "Customer": The person or persons named or shown as the addressee of this report.
 - (b) "Effective Date": The effective date stated in this report.
 - (c) "Land": The land specifically described in this report and improvements affixed thereto which by law constitute real property.
 - (d) "Public Records": Those records which by the laws of the state of Oregon impart constructive notice of matters relating to the Land.
- Liability of the Company.
 - (a) THIS REPORT IS NOT AN INSURED PRODUCT OR SERVICE OR A REPRESENTATION OF THE CONDITION OF TITLE TO REAL PROPERTY. IT IS NOT AN ABSTRACT, LEGAL OPINION, OPINION OF TITLE, TITLE INSURANCE COMMITMENT OR PRELIMINARY REPORT, OR ANY FORM OF TITLE INSURANCE OR GUARANTY. THIS REPORT IS ISSUED EXCLUSIVELY FOR THE BENEFIT OF THE APPLICANT THEREFOR, AND MAY NOT BE USED OR RELIED UPON BY ANY OTHER PERSON. THIS REPORT MAY NOT BE REPRODUCED IN ANY MANNER WITHOUT FIRST AMERICAN'S PRIOR WRITTEN CONSENT. FIRST AMERICAN DOES NOT REPRESENT OR WARRANT THAT THE INFORMATION HEREIN IS COMPLETE OR FREE FROM ERROR, AND THE INFORMATION HEREIN IS PROVIDED WITHOUT ANY WARRANTIES OF ANY KIND, AS-IS, AND WITH ALL FAULTS. AS A MATERIAL PART OF THE CONSIDERATION GIVEN IN EXCHANGE FOR THE ISSUANCE OF THIS REPORT, RECIPIENT AGREES THAT FIRST AMERICAN'S SOLE LIABILITY FOR ANY LOSS OR DAMAGE CAUSED BY AN ERROR OR OMISSION DUE TO INACCURATE INFORMATION OR NEGLIGENCE IN PREPARING THIS REPORT SHALL BE LIMITED TO THE FEE CHARGED FOR THE REPORT. RECIPIENT ACCEPTS THIS REPORT WITH THIS LIMITATION AND AGREES THAT FIRST AMERICAN WOULD NOT HAVE ISSUED THIS REPORT BUT FOR THE LIMITATION OF LIABILITY DESCRIBED ABOVE. FIRST AMERICAN MAKES NO REPRESENTATION OR WARRANTY AS TO THE LEGALITY OR PROPRIETY OF RECIPIENT'S USE OF THE INFORMATION HEREIN.
 - (b) No costs (including, without limitation attorney fees and other expenses) of defense, or prosecution of any action, is afforded to the Customer.
 - (c) In any event, the Company assumes no liability for loss or damage by reason of the following:
 - (1) Taxes or assessments which are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the Public Records.
 - (2) Any facts, rights, interests or claims which are not shown by the Public Records but which could be ascertained by an inspection of the land or by making inquiry of persons in possession thereof.
 - (3) Easements, liens or encumbrances, or claims thereof, which are not shown by the Public Records.
 - (4) Discrepancies, encroachments, shortage in area, conflicts in boundary lines or any other facts which a survey would disclose.
 - (5) (i) Unpatented mining claims; (ii) reservations or exceptions in patents or in Acts authorizing the issuance thereof, (iii) water rights or claims or title to water.
 - (6) Any right, title, interest, estate or easement in land beyond the lines of the area specifically described or referred to in this report, or in abutting streets, roads, avenues, alleys, lanes, ways or waterways.
 - (7) Any law, ordinance or governmental regulation (including but not limited to building and zoning laws, ordinances or regulations) restricting, regulating, prohibiting or relating to (i) the occupancy, use or enjoyment on the land; (ii) the character, dimensions or location of any improvement now or hereafter erected on the land; (iii) a separation in ownership or a change in the dimensions or area of the land or any parcel of which the land is or was a part; or (iv) environmental protection, or the effect of any violation of these laws, ordinances or governmental regulations, except to the extent that a notice of the enforcement thereof or a notice of a defect, lien or encumbrance resulting from a violation or alleged violation affecting the land has been recorded in the Public Records at the effective date hereof.
 - (8) Any governmental police power not excluded by 2(d)(7) above, except to the extent that notice of the exercise thereof or a notice of a defect, lien or encumbrance resulting from a violation or alleged violation affecting the land has been recorded in the Public Records at the effective date hereof.
 - (9) Defects, liens, encumbrances, adverse claims or other matters created, suffered, assumed, agreed to or actually known by the Customer.
- 3. Charge. The charge for this report does not include supplemental reports, updates or other additional services of the Company.



First American Title Insurance Company

121 SW Morrison Street, Suite 300

Portland, OR 97204

Phone: (503)222-3651 / Fax: (877)242-3513

PR: NWEST **Ofc:** 7019 (1011)

Final Invoice

To: AKS Engineering & Forestry LLC

12965 SW Herman RD STE 100

Tualatin, OR 97062

Invoice No.: 1011 - 7019153171

Date: 03/02/2020

Our File No.: 7019-3402741
Title Officer: Dona Lane

Escrow Officer:

Customer ID: 994563

Liability Amounts

Attention: Michael Kalina

Your Ref.: Property:

21720 SW Oregon Street, Sherwood, OR 97140

Buyers:

Sellers: Bruce Polley, Karen Polley

Description of Charge	Invoice Amount
Guarantee: Subdivision/Plat Certificate	\$275.00

INVOICE TOTAL \$275.00

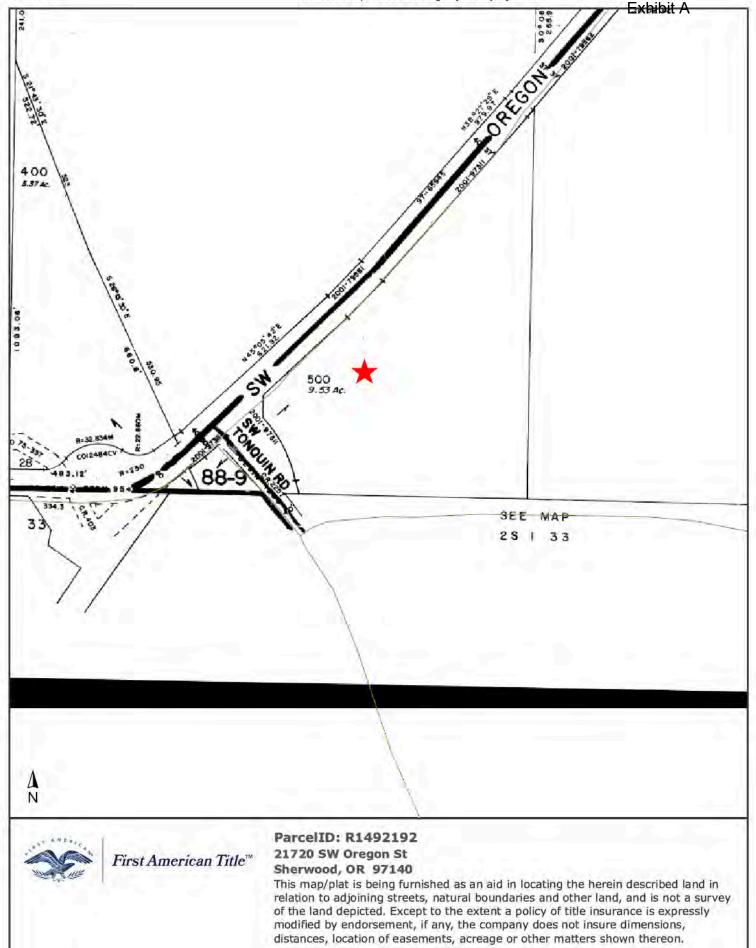
Comments:

RE:

Thank you for your business!

To assure proper credit, please send a copy of this Invoice and Payment to:
Attention: Accounts Receivable Department
PO Box 31001-2281
Pasadena, CA 91110-2281

Printed On: 03/02/2020, 2:49 PM **Requester:** DL **Page:** 1



		i.
779	8 STOW ALL Man or Length Property and John Greeklar & Clarky Greeklar	
	holders and wife	
	(bersinafter called "the Grantors," whether one or more than one); for and in consideration of the payment of the sum of	
	Ten and no/100ths Polars (\$ 10,00), the receipt of which is hereby acknowledged, hereby grant, sell and convey to Portland General Electric Company, an Oregon	
	the receipt of which is lowerly schoolwing on heavy and analysis a parpetual easement and right of way over, under Corporation, (hereinafter called "the Grantes"), its successors and sanigua, a parpetual easement and right of way over, under	
	and across the following described parcel of land situated in . Washington	
	County, Oregon, being a strip of land 50 feet in width, extending 18 feet on much the store and 32 feet on the north side	
	nine of a center line more particularly described as follows:	
	100	
	Beginning at a point in the lends of the grantors described in Book 149 on Page 215 and Book 158 on Page 191, Deed Records of Washington County, Oregon, and said lands being situate in Seption 28, 725, RIV, Ed, said county, said point	
The state of the s	being on the west boundary of County Ross Ro. 1500, to first intensity at a set the second section 28; TRIMES, from said beginning point,	
	over, under and ecross the lands of the grantors 8 59 39 30 w, parameter said	
	of County Road Ro. 492. The above described centering to small detected of print of drawing numbered ER 4090 and for purposes of description is attached	
	heroto and made a part hereof.	
5		
The second secon	TO HAVE AND TO HOLD the above described easement and right of way that the Grantee, its successors and swigne,	
	TO HAVE AND TO HOLD the above described easement and right of wry third the Grantes, its successors and sanitras, together with this present and future right to top, limb or fell all growing and dead trees are single said trees and mange here-timelite the superior of all way, which danger trees will be determined by the Grantes. The consideration paid for this easement includes the value of all way, which danger trees will be determined by the Grantes. The consideration paid for this easement includes the value of all way, which danger trees will be determined by the Grantes. The consideration paid for this easement includes the value of all way, which danger trees will be determined by the Grantes, which is said right of way. The Grantes shall pay the parent who is the cruster of souther danger trees at the date of their cutting under autority of the Grantes, such payment to be made within a reasonable period of time after they have been so cut.	
	trees on the right or way and a tanger trees at the date of their cutting (in addition to the purchase price thronin agreed to) the market value or and future danger trees at the date of their cutting (in addition to the purchase price thronin agreed to) the market value of and future danger trees at the date of their cutting under authority of the Grantee, such payment to be made within a create the partie of the larger three bean so cut.	
	Said casement and right of way shall be for the following purposes, namely: the perpetual right to enter upon and to several part of the following purposes, namely: the perpetual right to enter upon and to erect, maintain, repair, rebuild, operate and parted effective power transmission structures and appurteagnet signal entered the property of the	
	tines, including a recessing thereto, together with the present and future right to clear sale right of way and keep the sales nances as an encessary thereto, together with the present and fire hazards, provided that fire hazards shall not be interpreted to include any clear of brush, timber, structures and fire hazards, provided that fire hazards shall not be interpreted to include any growing cropp other than types.	
	It is hereby agreed by the brancors that, (1) the transport of the brancors that (1) all present danger trees shall year immediately in the Grantos; [3] all future danger trees out pursuant to the terms hereof	
	the irrelate the property of the owner thereof on the date of their category. The Grantors hereby schemwings that the purchase price named barein is accepted by the Grantors as full compensation for all damages incidental to the exercise of any of said examental, loss of growing crops on right of way during continuous all damages incidental to the exercise of any of said examental, loss of growing crops on right of way and struction, for give an anchers extending beyond the right of way and danger trees traffing, except payment for any additional danger trees traffer trees as defined hereinshove which may be cut under extherity of the Grantos as provided hereinshove.	
	Usual danger frees as defined hereinabove which may be cut under sutherity of the purposes above mentioned for a If the Granies, the increasors and assignment call to run incidently of way for the purposes above mentioned for a If the Granies, the increasors and assignment continues to the continues period of the years after construction of each power lines, then and in that event this right of way and examinent continues period of the years after construction of each power lines, then and in that event their right of way and examinent about the respective period between the continues of the	Salaran () Taylar Galaran () Taylar
I-	The Grantors bereby warrant that they are possessed or a marantane unto the property of the control of the cont	
	The Grantors, for themselves and their hours and assigns, covernant to any with the distinct that the Grantso, its successors and sasigns, shall peaceably enjoy the rights and privileges herein granted.	
	(IN WITHERS WHEREOF, the Grantors have caused this exsement to be executed this day of	
	John Cereghino (BBAL)	
	Gladys Cereghina (BEAL)	
	(SEAL)	2
	800x 416 mc167	

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Co the Law Control of The test of the undersigned, a Notary Public in	
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fine lamps are by the learniquest described in and who consuled the game freely and voluntarily for the purposes and uses a depressent table in the consultation of the purposes and uses	
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BOW, 416, no. 168	E
STATE OF OREGON,	
County of	
On this An of the Annual Control of the Annu	
and for said County and State, personally appeared	
to me known to be the individuals described in and who executed the same freely and voluntarily for the purposes and uses	
IN TENTINGON'S WHIREHOF, I have hereunto set my hand and affixed my notarial seal this, the day and year is this instrument first written.	**************************************
Notary Public for Oragon	
My commission explres:	
Tagne leg away down non regim was weare, dependaged for a material or contact the contact and	
ა განელი და კარებული უშიან არ აუაციანთიაც ფნტაკანდიდან ართიდ განეთიან გათ გათ ართიან ართანიან ართანიან ართანია იებლიან გარეთან გარეთი გარეთიან ართანიან ართანიან ართანიან ართანიან ართანიან ართანიან ართანიან ართანიან ართან	
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Non-Order Search Doc: ORWASH:RDED 416-00167

Page 2 of 3

JOHN & GLADYST CEREGHNO Book 149: Page 215 Book 158: Page 191 RD. No. 954 T. 2 S. R. I W. PORTLAND GENERAL ELECTRIC CO. BODX 416 PAGE 169

		32.7	
RNOW ALL MEN BY THESE PRESENT	19, That JOHN and GLADYS CERECHINO (husband and wife)	Approved:	
in consideration of One and ra/100 (\$1.00 and other good and valuable conclerations, the rook and other good and valuable conclerations, the rook and/or right-of-way, situated in. Mashington may be reasonably necessary to accomplish the pure over, under and across the following des		Manager or Supt.	
Across the lands	of the grantors in Section 28, Townshin 2 est, W.M. as described in Volume 158, Fage ngton County Deed Records.	Approved as	Section 1970 Secti
It is understood and agreed that this reach sors and assigns, and any other customers of the the real property herein described.	wat may be used by the Granter to serve the Granter, his heirs, success Grantee owning, occupying or passessing property in the virinity of	to description:	
TO HAVE AND TO HOLD the above deard and assigns, together with the right of ingress and the adjacent land of the Granor.3 for the putherrover, of electrical lines, telephone lines, together cunnected therewith or appurienant thereto; provided the control of the construction or operation of said lines; provided in the control of the construction or operation of said lines; provided in the control of the co	ped casement and right-of-way unto the said Granter, its successors of genes to and from the above described right-of-way, over and across rock of the drect masintenance and operation therein, thereno and her with such poles, we have the diffilte as may be recombilited that the Grantee shall have the diffilte as may be recombilited that the Grantee shall have the diffilter of the said right-of-way which may interfect the same of managed, also, that the Grantor.S the first and managed ded, also, that the Grantor.S the first and such considerable said above described right-of-way for the purposes above mentioned; and, provided also, that il to use said right-of-way for the purposes above mentioned, for a said pole line, then and in that event this right-of-way, and easument med hereunder shall revert to the Grantor S the LT.	Ap Engineer.	
	their heirs and assigns, covenant to and with the Grantoc, accessors and assigns, shall peaceably enjoy the rights and privileges	Approved:	
	John Careghino (HEAL) Hadye Careghino (SEAL) (SEAL) (SEAL)	Section 1	

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	A CONTRACTOR OF THE CONTRACTOR
	Enterprise Section Assessed Co. 1
County of Machington	
On this day of Affirmille, 10.53, before me, the undersigned, a Notary Public	
in and for said County and State, personally appeared	
to me known to be the	College Complete 1
individuals described in and who executed the foregoing conveyance and acknowledged to me that they	The same of the same
IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my notarial seal this, the day and year in this instrument first written. Notary Frahle for Oregon	
My commission expires.	
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The state of the s	A. P. Carlotte and
that to ment to the second sec	
STATE OF OREGON. B. N. TORGON. Country of	
On this	
In and for said County and State, personally appeared	Antonia de la
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In the state of th

WARRANTY DEED

WAKKANIT DEED	\-
KNOW ALL MEN BY THESE PRESENTS, That	
ALLEN J. CHRISTOPHER AND SHIRLEY M. CHRISTOPHER, husband and wife	
hereinafter called the grantor, for the consideration hereinafter stated, to grantor paid by BRUCE D. POLLEY AND KAREN M. POLLEY, husband and wife	
hereinafter called the grantee, does hereby grant, bargain, sell and convey unto the grantee and grantee's he successors and assigns, that certain real property, with the tenements, hereditaments and appurtenances thereu belonging or in any way appertaining, situated in <u>WASHINGTON</u> County, State of Oregon, described as follo to-wit:	eirs, into

SEE ATTACHED EXHIBIT "A"

(IF SPACE INSUFFICIENT, CONTINUE DESCRIPTION ON REVERSE SIDE) To Have and to Hold the same unto the grantee and grantee's heirs, successors and assigns forever. And grantor hereby covenants to and with grantee and grantee's heirs, successors and assigns, that grantor is lawfully seized in fee simple of the above granted premises, free from all encumbrances						
and that						
grantor will warrant and forever defend the premises and every part and parcel thereof against the lawful claims and demands of all persons whomsoever, except those claiming under the above described encumbrances. The true and actual consideration paid for this transfer, stated in terms of dollars, is \$ 225,000.00						
However, the actual consideration consists of or includes other property or value given or promised which is						
the whole consideration (indicate which). ©(The sentence between the symbols®, it not applicable, should be deleted. See ORS 93.030.) In construing this deed, where the context so requires, the singular includes the plural and all grammatical changes shall be made so that this deed shall apply equally to corporations and to individuals.						
In Witness Whereof, the grantor has executed this instrument this A day ofFebruary, 1996 ;						
if a corporate grantor, it has caused its name to be signed and its seal, if any, affixed by an officer or other person duly authorized to do so by order of its board of directors. ITHIS INSTRUMENT WILL NOT ALLOW USE OF THE PROPERTY DESCRIBED IN THIS NSTRUMENT IN VIOLATION OF APPLICABLE LAND USE LAWS AND REGULATIONS. BEFORE SIGNING OR ACCEPTING THIS INSTRUMENT, THE PERSON ACQUIRING FEE ITILE TO THE PROPERTY SHOULD CHECK WITH THE APPROPRIATE CITY OR COUNTY PLANNING DEPARTMENT TO VERIFY APPROVED USES AND TO DETERMINE ANY LIMITS ON LAWSUITS AGAINST FARMING OR FOREST PRACTICES AS DEFINED IN Shirley B. Christopher Shirley B. Christopher						
STATE OF OREGON, County ofGrant) ss.						
This instrument was acknowledged before me on February 4, 1996,						
by Allen J. Christopher and Shirley M. Christopher						
This instrument was acknowledged before me on, 19,						
by						
as						
OFFICIAL SEAL S A VON WILLER NOTARY PUBLIC - OREGON COMMISSION NO. 049141 MY COMMISSION EXPIRES NOV. 20, 1999						

STICOR TITLE INSURANCE

EXHIBIT 'A'

LEGAL DESCRIPTION

The Southwest one-quarter of the Southwest one-quarter of Section 28, Township 2 South, Range 1 West of the Willamette Meridian, in the County of Washington and State of Oregon.

EXCEPTING THEREFROM that tract conveyed to John Campbell by deed recorded in Book 56, Page 232, Washington County, Oregon, which tract is described as follows:

Part of the Southwest one-quarter of Section 28, Township 2 South, Range 1 West of the Willamette Meridian, in the County of Washington and State of Oregon. Beginning at the Southwest corner of said Section 28, and thence North on the West section line 16.41 chains to the center of the ditch; thence up said ditch South 21° 1/2" East 7.92 chains and South 26° East 10.01 chains to the South line of said Section 28; thence West on said line 7.32 chains to the point of beginning.

ALSO EXCEPTING THEREFROM part of the Southwest one-quarter of the Southwest one-quarter of Section 28, Township 2 South, Range 1 West of the Willamette Meridian, in the County of Washington and State of Oregon, described as follows:

Beginning at the Northwest corner of the Southwest one-quarter of the Southwest one-quarter of said Section 28; thence South 0° 08' 14" East along the West line of said Section 28, 241.02 feet to the most Northerly point of that Parcel deeded by P.P. Bailey and wife to John Campbell, recorded by deed dated March 9, 1901, recorded March 26, 1901, in Book 56, Page 232, of Washington County Deed Records, said point also being in the center of a ditch described in said Bailey deed; thence South 21° 43' 30" East following said ditch centerline 523.00 feet (522.72 deed); thence continuing along said ditch centerline South 26° 13' 30" East 530.95 feet to the Northerly right of way line of County Road No. 492; thence North 45° 19' East along said County Road right of way line 664.92 feet; thence continuing along said County Road right of way line North 38° 09' 44" East 723.79 feet to the East line of the Southwest one-quarter of the Southwest one-quarter of said Section 28; thence North 0° 08' 44" West along said East line of the Southwest one-quarter of the Southwest one-quarter of Section 28, 218.67 feet to a stone and the Northeast corner thereof; thence South 89° 52' 44" West along the North line of the Southwest one-quarter of the Southwest one-quarter of said Section 28, 1309.43 feet to the point of beginning.

AND FURTHER EXCEPTING a part of the Southwest one-quarter of Section 28, Township 2 South, Range 1 West of the Willamette Meridian, in the County of Washington and State of Oregon, described as follows:

Beginning at a stone at the Northwest corner of the Southeast one-quarter of the Southwest one-quarter of said Section 28; thence South 0° 08' 44" East along the West line of the Southeast one-quarter of the Southwest one-quarter of said Section 28, 218.67 feet to the Northerly right of way line of County Road No. 492; thence North 38° 09' 44" East along said County Road right of way 281.47 feet to the North line of the Southeast one-quarter of the Southwest one-quarter of said Section 28; thence South 89° 08' 16" West along the North line of the Southeast one-quarter of said Section 28, 174.49 feet to the point of beginning.



Exhibit G: Traffic Impact Analysis





Oregon Street Business Park

Transportation Impact Analysis

Sherwood, Oregon

Date:

May 23, 2022

Prepared for:

Oregon Street Business Park, LLC

Copy:

Mimi Doukas, AKS Engineering & Forestry

Prepared by: Nick Mesler, EIT Daniel Stumpf, PE

Executive Summary	4
Project Description Introduction Location Description Vicinity Roadways Study Intersections	6 6 7 7
Site Trips Trip Generation Trip Distribution	9 9 10
Traffic Volumes Existing Conditions Background Conditions Buildout Conditions	12 12 12 12
Safety Analysis Crash History Review Washington County SPIS List Warrant Analysis Preliminary Traffic Signal Warrants Left-Turn Lane Warrants	16 16 17 18 18
Operational Analysis Performance Standards Washington County City of Sherwood Delay & Capacity Analysis Intersection Mitigation Analysis	19 19 19 19 20 21
Proportionate Share Mitigation Assessment	22
Conclusions	23
Appendix	24



16

17

20

21

22

Table of Figures

Table 4: Crash Type Summary

Table 5: Crash Severity and Rate Summary

Table 7: Intersection Mitigation Analysis

Table 6: Intersection Capacity Analysis Summary

Table 8: Proportional Share Methology Summary

Figure 1: Vicinity Map	8
Figure 2: Trip Distribution and Assignment	11
Figure 3: Year 2021 Existing Traffic Volumes	13
Figure 4: Year 2023 Background Conditions	14
Figure 5: Year 2023 Buildout Conditions	15
Table of Tables	
Table 1: Vicinity Roadway Descriptions	7
Table 2: Vicinity Intersection Descriptions	7
Table 3: Trip Generation Summary	9



Executive Summary

- 1. The Oregon Street Business Park site is located at 21720 SW Oregon Street in what is recently incorporated land in Sherwood, Oregon. The development site is part of the larger Area 48-Tonquin Employment Area (TEA) which is planned to be fully annexed into the City of Sherwood with the buildout of the planning area. The site is currently zoned as Employment Industrial (EI) by the City of Sherwood.
- 2. The proposed development includes approximately 115,170 square feet of "flex" industrial space on a gross 9.23-acre site. Access to the site will be provided via a planned public roadway (SW Laurel Wood Way) along SW Oregon Street, near the east edge of the site.
- 3. The proposed development is projected to generate 81 morning peak hour trips, 73 evening peak hour trips, and 572 average weekday trips.
- 4. No significant trends or crash patterns were identified at any of the study intersections that were indicative of safety concerns. No additional safety mitigation is recommended per the crash data analysis.
- 5. The preliminary traffic signal analysis determined that signal warrants are not projected to be met at any of the applicable study intersections under year 2023 Buildout Conditions, with the exception of the following intersection:
 - SW Oregon Street & SW Tonquin Road

This intersection is identified in the City of Sherwood *Capital Improvement Plan (2020-2025)* (CIP) as Project ID #D3, which intends to reconstruct this intersection to a dumbbell roundabout with the SW Oregon Street/SW Murdock Road intersection. Thus, the roundabout is the preferred alternative to a signal.

- 6. Left-turn lane warrants are not projected to be met at any of the applicable study intersections upon completion and occupancy of the proposed development during the AM or PM Peak Hour.
- 7. All study intersections are currently operating acceptably per City of Sherwood and Washington County standards and are projected to continue operating acceptably in Background Year 2023, both with and without the addition of project traffic, with the following exceptions:
 - SW Oregon Street & SW Tonquin Road v/c ratio exceeds 0.99 during PM peak hour
 - SW Murdock Road & SW Sunset Boulevard v/c ratio exceeds 0.85 during PM peak hour
- 8. It is recommended that the project applicant dedicate the necessary right-of-way as mitigation to the applicable CIP project at the intersection of SW Oregon Street & SW Tonquin Road. This intersection is identified in the City of Sherwood *Capital Improvement Plan (2020-2025)* (CIP) as Project ID #D3, which intends to reconstruct this intersection to a dumbbell roundabout with the SW Oregon Street/SW Murdock Road intersection.



9. It is recommended that the project applicant make a proportionate fair-share contribution to the applicable CIP project at the intersection of SW Murdock Road & SW Sunset Boulevard. This intersection is identified in the City of Sherwood *Capital Improvement Plan (2020-2025)* (CIP) as Project ID #D33, which intends to construct a southbound right-turn lane and a northbound left-turn lane. A proportionate share fee to mitigate site trip impacts is calculated at \$45,833.33.



Project Description

Introduction

This report describes and evaluates the transportation impacts associated with the proposed development of the Oregon Street Business Park property located at 21720 SW Oregon Street in what is recently incorporated land in Sherwood, Oregon. The development site is part of the larger Area 48-Tonquin Employment Area (TEA) which is planned to be fully annexed into the City of Sherwood with the buildout of the planning area. The site is currently zoned as Employment Industrial (EI) by the City of Sherwood.

The proposed development includes approximately 115,170 square feet of "flex" industrial space on a gross 9.23-acre site. Access to the site will be provided via a planned public roadway (SW Laurel Wood Way) along SW Oregon Street, near the east edge of the site.

Based on correspondence with the City of Sherwood, a safety and capacity/level of service analysis was conducted at the following intersections:

- 1. SW Oregon Street & SW Tualatin-Sherwood Road
- 2. SW Oregon Street & SW Tonquin Road
- 3. SW Oregon Street & SW Murdock Road
- 4. SW Murdock Road & SW Sunset Boulevard
- 5. SW Oregon Street & Site Access (SW Laurel Wood Way)

The purpose of this study is to determine whether the transportation system within the vicinity of the site is capable of safely and efficiently supporting the existing and proposed uses and to determine any mitigation that may be necessary to do so. Detailed information on traffic counts, trip generation calculations, safety analyses, and level of service calculations is included in the appendix to this report.

Location Description

The subject site is located at 21720 SW Oregon Street and is surrounded by undeveloped land and industrial land uses. The site is located south of SW Oregon Street and east of SW Tonquin Road, and also includes a small 0.2-acre piece of land west of SW Tonquin Road. There are existing industrial/storage buildings on the property which will be removed upon redevelopment.



Vicinity Roadways

The proposed development is expected to impact six (6) vicinity roadways. Table 1 provides a description of each vicinity roadway.

Table 1: Vicinity Roadway Descriptions

Street Name	Jurisdiction	Functional Classification	Speed (MPH)	Curbs & Sidewalks	On-Street Parking	Bicycle Facilities
SW Tualatin- Sherwood Road	Washington County	Arterial	45 mph	Both Sides	Prohibited	Class II Bike Lanes
SW Oregon Street	Washington County	Arterial	25/35 mph	Partial Both Sides	Prohibited	Class II Bike Lanes
SW Tonquin Road	Washington County	Arterial	55 mph	None	Prohibited	None
SW Murdock Road	City of Sherwood	Arterial	35 mph	Partial Both Side	Partially Permitted	None
SW Sunset Boulevard	City of Sherwood	Arterial	35 mph	Both Sides	Prohibited	None

Study Intersections

The proposed development is expected to impact five (5) vicinity intersections of significance. Table 2 below provides a summarized description of each study intersection.

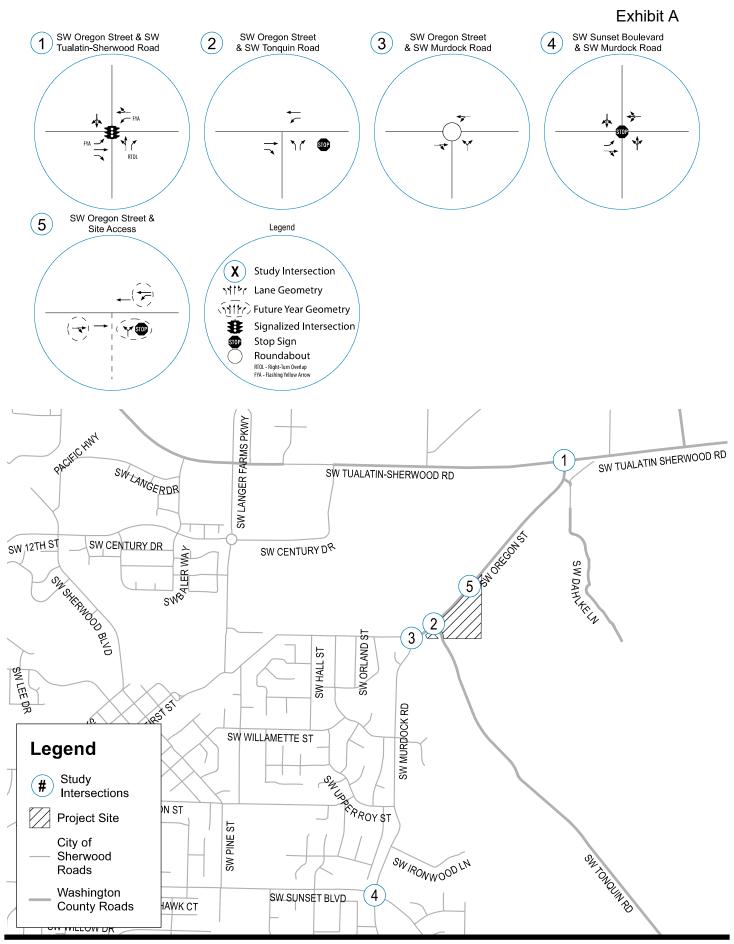
Table 2: Vicinity Intersection Descriptions

ID	Intersection	Approaches	Traffic Control	Phasing/Stopped Approaches
1	SW Oregon Street & SW Tualatin-Sherwood Road	Four	Signalized	Permissive NB/SB Left FYA EB/WB Left NB Right-Turn Overlap
2	SW Oregon Street & SW Tonquin Road	Three	Stop-Controlled	NB Approach Stop-Controlled
3	SW Oregon Street & SW Murdock Road	Three	Roundabout	Yield-Controlled Approaches
4	SW Murdock Road & SW Sunset Boulevard	Four	Stop-Controlled	All Approaches Stop-Controlled
5	SW Oregon Street & Site Access	Three	Stop-Controlled	NB Approach Stop-Controlled

FYA = Flashing Yellow Arrow

A vicinity map displaying the project site, vicinity streets, and the study intersections with their associated lane configurations and control types is shown in Figure 1.









Site Trips

Trip Generation

The proposed development includes the construction of 115,170 square feet of general light industrial space. No trip credit is being given to the existing industrial building on site.

To estimate the number of trips that are projected to be generated by the proposed development, trip rates from the *Trip Generation Manual*¹ were used. Specifically, data from land use code 110, General Light Industrial, was used to estimate the proposed development's trip generation based on the building square footage. This land use code is consistent with the character of the proposed development and the transportation modelling conducted for the Tonquin Employment Area Concept Plan: Preferred Concept Plan Report (October 2010).

The trip generation calculations show that the proposed development is projected to generate 81 new morning peak hour trips, 73 new evening peak hour trips, and 572 new average weekday trips. The trip generation estimates are summarized in Table 1. Detailed trip generation calculations are included as an attachment to this memorandum.

Note that a larger development size with subsequently higher trip generation was previously analyzed with a prior iteration of this Transportation Impact Analysis, dated June 1, 2021. Since the prior development size of the project was larger than the current development size, utilizing the past trip generation in place of the current trip generation analysis will provide a more conservative assessment of site trip impacts to the transportation system; however, the actual proposed development trip generation was utilized to evaluate the proportionate share fees calculated in the *Proportionate Share Mitigation Assessment* section.

Table 3: Trip Generation Summary

Land Use	ITE	Size =	Morn	ing Pea	k Hour	Eve	ning Pe	Weekday	
Land Use	Code	Size	In	Out	Total	In	Out	Total	Total
		Proposed D	Developme	ent (Actu	al Trip Geri	eratio	n)		
General Light Industrial	110	115,170 SF	71	10	81	9	64	73	572
		Pr	ior Analys	sis Trip G	Generation				
General Light Industrial	110	120,815 SF	75	10	85	10	66	76	600

¹ Institute of Transportation Engineers (ITE), Trip Generation Manual, 10th Edition, 2017.



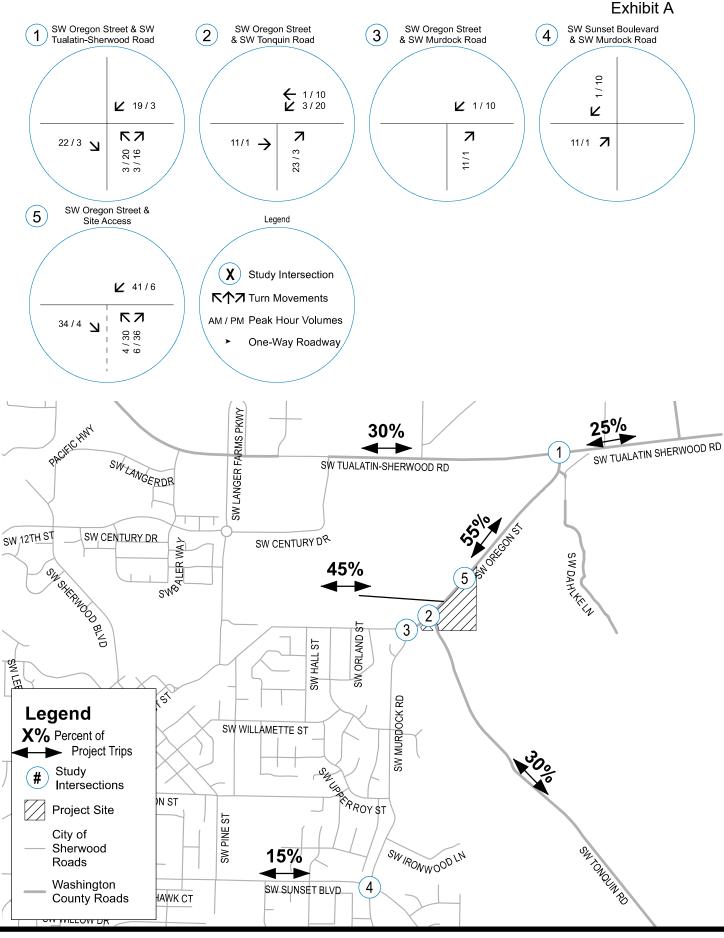
Trip Distribution

The project trip distribution was developed based on the geographical location of the project, US residential/employment census data (https://onthemap.ces.census.gov/), and the existing roadway network facilities. The following trip distribution is projected:

- Approximately 30 percent of trips will travel to/from the west of the project site via SW Tualatin-Sherwood Road, west of SW Oregon Street;
- Approximately 30 percent of trips will travel to/from the south of the project site via SW Tonquin Road;
- Approximately 25 percent of trips will travel to/from the east of the project site via SW Tualatin-Sherwood Road, east of SW Oregon Street; and
- Approximately 15 percent of trips will travel to/from the west of the project site via SW Murdock Road and SW Sunset Boulevard.

The regional trip distribution and traffic assignment for site trips generated by the proposed development are shown in Figure 2.







Traffic VolumesTrip Distribution & Assignment
AM & PM Peak Hour



Figure 2 Oregon Street Business Park 5/23/2022

Traffic Volumes

This section describes the study intersection peak hour traffic volumes under existing conditions (year 2021), the anticipated opening day year 2023 background volumes, and the opening day year 2023 buildout volumes.

Existing Conditions

Since this study is being conducted during the COVID-19 viral pandemic, which has become a public health concern throughout the State of Oregon, collection of current traffic counts is not feasible at this time. Due to the pandemic, traffic volumes have been significantly depressed statewide since March 2020. In order to reflect normal travel conditions, historical traffic count data conducted on Wednesday, February 13, 2019; Tuesday, August 18, 2020; and Wednesday, October 25, 2017 (SW Sunset Boulevard & SW Murdock Boulevard only) were obtained. Upon reviewing the traffic counts, the 2019 data was found to be higher than the 2020 COVID-era counts by as much as 91%. Therefore, the historical 2017 and 2019 traffic counts were utilized for analysis in lieu of the 2020 counts. All traffic counts were conducted from 7:00 to 9:00 AM and from 4:00 to 6:00 PM. Data was used from each intersections' respective morning and evening peak hour.

To adjust for year 2021 baseline conditions, a conservative, compounding annual growth rate of 2.00% was applied to each intersection movement. Thus, to reach the Year 2021 baseline volumes, a 4.04% adjustment was applied to the 2019 count data and a 8.24% adjustment was applied to the 2017 data. Figure 3 displays the baseline existing conditions traffic volumes for the study intersections during the morning and evening peak hour. The 2017 and 2019 count data is provided as an appendix to this report.

Background Conditions

To provide analysis of the impact of the proposed development on the nearby transportation facilities, an estimate of future traffic volumes is required. Consistent with the growth factors identified in the development of the Existing Conditions baseline volume, an annual compounding 2.00% growth rate was applied to the 2021 Existing Conditions baseline volumes for an assumed anticipated year 2023 project opening day.

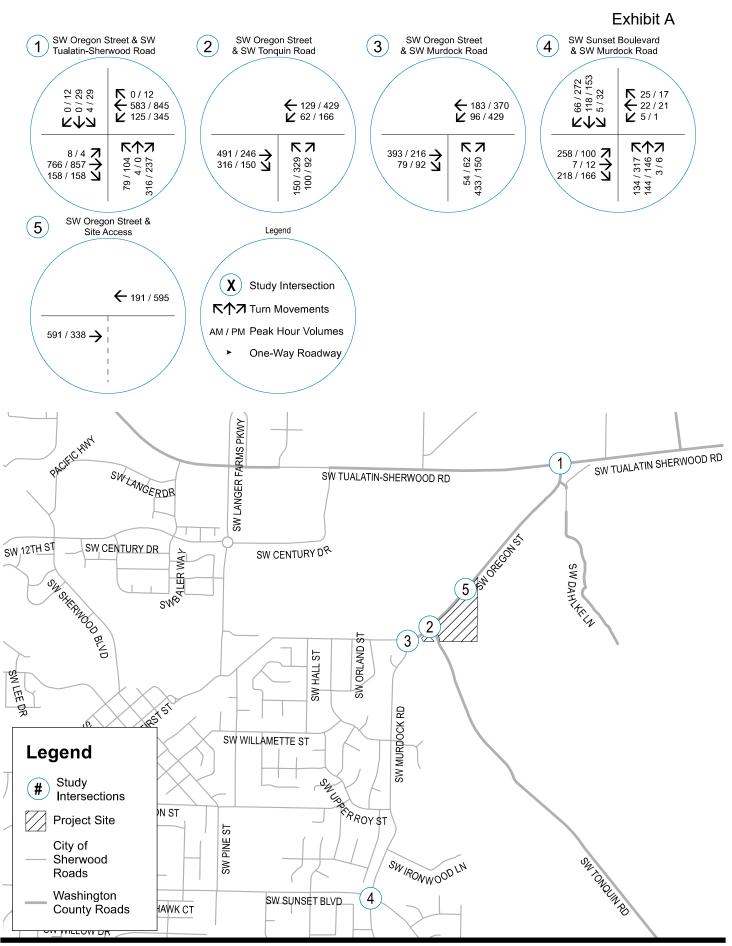
Figure 4 displays the projected year 2023 background volumes during the morning and evening peak hours.

Buildout Conditions

Peak hour trips calculated to be generated by the proposed development, as described earlier within the *Site Trips* section, were added to the projected year 2023 buildout traffic volumes to obtain the expected 2023 buildout year volumes.

Figure 5 displays the projected year 2023 peak hour background traffic volumes with the additional site trips projected to be generated by the proposed development.



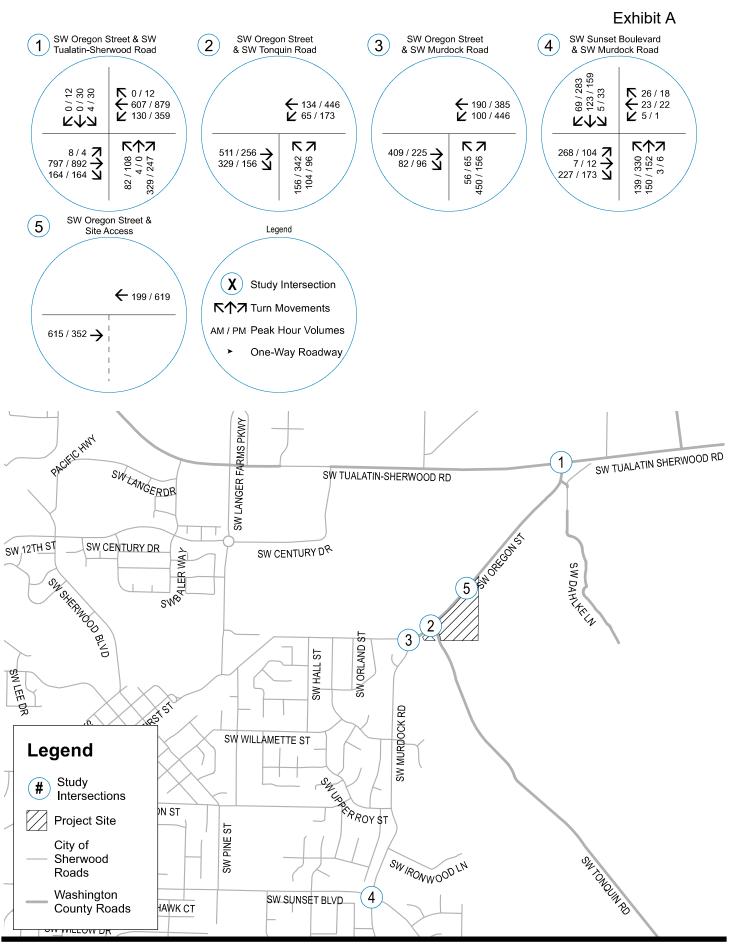




Traffic VolumesExisting Conditions
AM & PM Peak Hour



Figure 3 Oregon Street Business Park 5/23/2022

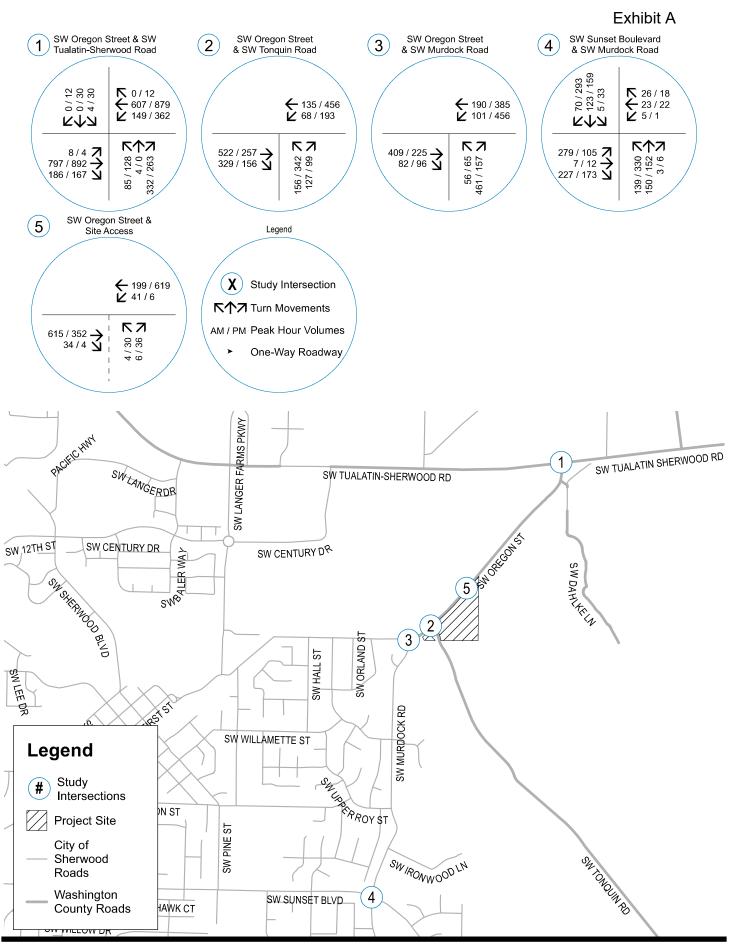




Traffic VolumesYear 2023 Background Conditions
AM & PM Peak Hour



Figure 4 Oregon Street Business Park 5/23/2022





Traffic VolumesYear 2023 Buildout Conditions
AM & PM Peak Hour



Figure 5 Oregon Street Business Park 5/23/2022

Safety Analysis

Crash History Review

Using data obtained from ODOT's Crash Analysis and Reporting Unit, a review was performed of the most recent five years of available crash data at the study intersections (January 2014 through December 2018). The crash data was evaluated based on the number of crashes, the type of collisions, the severity of the collisions, and the resulting crash rate for each intersection. Crash rates provide the ability to compare safety risks at different intersections by accounting for both the number of crashes that have occurred during the study period and the number of vehicles that typically travel through the intersection. Crash rates were calculated under the common assumption that traffic counted during the evening peak hour represents approximately ten percent of annual average daily traffic (AADT) at each intersection. Crash rates in excess of 1.00 crashes per million entering vehicles (CMEV) may be indicative of design deficiencies and therefore require a need for further investigation and possible mitigation.

With regard to crash severity, ODOT classifies crashes in the following categories:

- 1. Property Damage Only (PDO);
- 2. Possible Injury Complaint of Pain (*Injury C*);
- 3. Non-Incapacitating Injury (Injury B);
- 4. Incapacitating Injury Bleeding, Broken Bones (Injury A); and
- 5. Fatality or Fatal Injury.

Table 4 provides a summary of crash types while Table 5 summarizes crash severities and rates for each of the study intersections. Detailed crash reports are included in the technical appendix to this report.

Table 4: Crash Type Summary

	Intersection	Rear End	Turning	Angle	Fixed Object	Head-On	Sideswipe	Total Crashes
1.	SW Oregon Street & SW Tualatin-Sherwood Road	27	18	0	0	1	1	47
2.	SW Oregon Street & SW Tonquin Road	2	5	0	0	0	0	7
3.	SW Oregon Street & SW Murdock Road	1	0	1	1	0	0	3
4.	SW Murdock Road & SW Sunset Boulevard	3	2	0	0	0	0	5



Table 5: Crash Severity and Rate Summary

	Intersection		Cra	sh Sev	erity	Total	PHEV	Crash	
	included of	PDO	С	В	Α	Fatal	Crashes	11164	Rate
1.	SW Oregon Street & SW Tualatin-Sherwood Road	20	16	10	1	0	47	2,632	0.98
2.	SW Oregon Street & SW Tonquin Road	5	2	0	0	0	7	1,412	0.27
3.	SW Oregon Street & SW Murdock Road	1	2	0	0	0	3	1,319	0.12
4.	SW Murdock Road & SW Sunset Boulevard	4	1	0	0	0	5	1,243	0.22

BOLDED text indicates crash rate exceeding a value of 1.00 CMEV.

At the intersection of SW Oregon Street & SW Tualatin-Sherwood Road, there was one reported crash that resulted in sustained injuries consistent with *Injury A* classification. The crash occurred when a westbound vehicle collided with another westbound vehicle, resulting in a rear-end collision. The striking vehicle's driver was reportedly driving carelessly, driving a vehicle with inadequate or no brakes, and rear-ended the second vehicle stopped in traffic. The driver of the struck vehicle sustained injuries consistent with *Injury A* classification. The driver of the striking vehicle sustained injuries consistent with *Injury C* classification. The collision was reported to have occurred under favorable lighting and weather conditions.

Washington County SPIS List

The Washington County Safety Priority Index System (SPIS) List 2016 (2013-2015 Data) was reviewed and determined that the intersection of SW Oregon Street & SW Tualatin-Sherwood Road was ranked #62 of 326 intersections throughout Washington County. This intersection also was identified to have a crash rate exceeding 1.00 CMEV.

The SW Tualatin-Sherwood Road corridor is planned to be widened to five lanes from Langer Farms Parkway and Teton Avenue with traffic signal upgrades throughout. The corridor widening construction is set to begin in the summer of 2021 and expected to be completed in two to three years. It is anticipated that this Capital Improvement Project will reduce congestion and improve safety along the corridor and at this intersection.

Based on a review of the most recent five years of available crash data, no significant trends or crash patterns were identified at any of the study intersections that were indicative of safety concerns. Accordingly, no additional safety mitigation is recommended per the crash data analysis.



Warrant Analysis

Preliminary Traffic Signal Warrants

Preliminary traffic signal warrants were examined for all unsignalized study intersections. Methodologies were based on the Manual on Uniform Traffic Control Devices (MUTCD), published by the Federal Highway Administration in 2009. Warrant 1, Eight-Hour Vehicular Volumes, was evaluated based on the common assumption that traffic counted during the evening peak hour represents 10 percent of the average daily traffic (ADT) and that the 8th highest hour is 5.65 percent of the daily volume. Detailed analysis worksheets can be found in an appendix to this report.

The preliminary traffic signal analysis determined that signal warrants are not projected to be met at any of the applicable study intersections under year 2023 Buildout Conditions, with the exception of the following intersection:

• SW Oregon Street & SW Tonquin Road

This intersection is identified in the City of Sherwood *Capital Improvement Plan (2020-2025)* (CIP) as Project ID #D3, which intends to reconstruct this intersection to a dumbbell roundabout with the SW Oregon Street/SW Murdock Road intersection. Thus, the roundabout is the preferred alternative to a signal.

Left-Turn Lane Warrants

Left-turn lane warrants were examined for the site access intersection under year 2023 buildout conditions. A left-turn refuge is primarily a safety consideration for the major-street approach, removing left-turning vehicles from the through traffic stream.

Warrants for an eastbound left-turn lane at the site access intersection were based on the methodology outlined in the National Cooperative Highway Research Program (NCHRP) Report Number 457². This methodology evaluates the need for a left-turn lane based on the number of left-turning vehicles, the number of travel lanes, the number of advancing and opposing vehicles, and the roadway travel speed. Detailed warrant analyses for each study intersection are included in the technical appendix to this report.

Left-turn lane warrants are not projected to be met upon completion and occupancy of the proposed development during the AM or PM Peak Hour at the site access intersection with SW Oregon Street.

² Bonneson, James A. and Michael D. Fontaine, NCHRP Report 457: An Engineering Study Guide for Evaluating Intersection Improvements, Transportation Research Board, 2001.



Operational Analysis

Capacity and delay analyses were conducted for each of the study intersections per the signalized and unsignalized intersection analysis methodologies in the *Highway Capacity Manual* ³ (HCM). Calculations for the intersections are performed using Synchro 10.3.122.0 software. Intersections are generally evaluated based on the average control delay experienced by vehicles and are assigned a grade according to their operation. The level of service (LOS) of an intersection can range from LOS A, which indicates very little or no delay experienced by vehicles, to LOS F, which indicates a high degree of congestion and delay. The volume-to-capacity (v/c) ratio is a measure that compares the traffic volumes (demand) against the available capacity of an intersection.

Performance Standards

The operating standards adopted by Washington County and the City of Sherwood are summarized below.

Washington County

SW Tualatin-Sherwood Road, SW Oregon Street, and SW Tonquin Road are under the jurisdiction of Washington County. The County has defined operating standards for signalized and stop controlled intersections as follows:

- For signalized intersections, the maximum intersection v/c ratio shall be no greater than 0.99.
- For unsignalized intersections, no movement shall experience a v/c ratio greater than 0.99.

City of Sherwood

According to the City of Sherwood's Transportation System Plan (TSP), signalized, all-way stop-control, and roundabout intersections under City jurisdiction must operate at LOS D or better with a v/c ratio of 0.85 or less. Two-way stop-controlled intersections are required to operate at LOS E or better with a v/c ratio of 0.90 or less⁴.

⁴ City of Sherwood, Sherwood Transportation System Plan. Adopted June 17th, 2014.



³ Transportation Research Board, *Highway Capacity Manual*, 6th Edition, 2016.

Delay & Capacity Analysis

The v/c, delay, and LOS results of the capacity analysis are shown in

Table 6 below for the morning and evening peak hours. Detailed calculations as well as tables showing the relationship between delay and LOS are included in the appendix to this report.

Table 6: Intersection Capacity Analysis Summary

Internaction	Samania	А	M Peal	k Hour	PM Peak Hour				
Intersection	Scenario	V/C	LOS	Delay (s)	V/C	LOS	Delay (s)		
1. SW Oregon Street	Existing Conditions	0.73	В	17.3	0.86	C	27.7		
& SW Tualatin-	2023 Background Conditions	0.76	В	19.4	0.92	D	36.2		
Sherwood Road	2023 Buildout Conditions	0.76	В	19.8	0.95	D	39.0		
2 5 4 6	Existing Conditions	0.52	D	28.1	1.75	F	398.5		
2. SW Oregon Street& SW Tonquin Road	2023 Background Conditions	0.56	D	31.4	1.96	F	490.2		
a sw rongair nead	2023 Buildout Conditions	0.58	D	33.4	2.16	F	584.9		
2 514 6	Existing Conditions	0.61	Α	9.2	0.65	Α	9.6		
 SW Oregon Street SW Murdock Road 	2023 Background Conditions	0.65	А	9.9	0.68	В	10.3		
C 5W Wardock Road	2023 Buildout Conditions	0.66	В	10.1	0.69	В	10.5		
4. SW Murdock Road	Existing Conditions	0.53	C	16.8	0.89	Е	40.0		
& SW Sunset	2023 Background Conditions	0.56	C	17.8	0.94	F	50.7		
Boulevard	2023 Buildout Conditions	0.58	C	18.6	0.94	F	51.7		
5. SW Oregon Street	Existing Conditions			Does N	Not Exist				
& Site Access (SW	2023 Background Conditions	as 0.73 B 17.3 ditions 0.76 B 19.4 tions 0.76 B 19.8 as 0.52 D 28.1 ditions 0.56 D 31.4 tions 0.58 D 33.4 as 0.61 A 9.2 ditions 0.65 A 9.9 tions 0.66 B 10.1 as 0.53 C 16.8 ditions 0.56 C 17.8 tions 0.58 C 18.6 as Does N ditions Does N	Not Exist						
Laurel Wood Way)	2023 Buildout Conditions	0.05	В	14.5	0.19	C	16.8		

BOLDED text indicates intersection operation above jurisdictional standards.

Based on the results of the operational and capacity analysis, all study intersections are currently operating acceptably per City of Sherwood and Washington County standards and are projected to continue operating acceptably in Background Year 2023, both with and without the addition of project traffic, with the following exceptions:

- 2. SW Oregon Street & SW Tonquin Road v/c ratio exceeds 0.99 during PM Peak Hour
- 4. SW Murdock Road & SW Sunset Boulevard v/c ratio exceeds 0.85 during PM Peak Hour



Intersection Mitigation Analysis

As noted in the previous section, and consistent with the findings and recommendation of the City of Sherwood TSP, there are two study area intersections that have existing operational deficincies that are anticipated to continue in the year 2023 buildout year, with and without the addition of project traffic.

- The intersection of SW Oregon Street & SW Tonquin Road is identified in the City of Sherwood *Capital Improvement Plan (2020-2025)* (CIP) as Project ID #D3, which intends to reconstruct this intersection to a dumbbell roundabout with the SW Oregon Street/SW Murdock Road intersection.
- The intersection of SW Murdock Road & SW Sunset Boulevard is identified in the City of Sherwood Capital Improvement Plan (2020-2025) (CIP) as Project ID #D33, which intends to construct a southbound right-turn lane and a northbound left-turn lane.

These improvements will reduce the intersection v/c ratio and level of service to within acceptable standards. Table 7 summarizes the v/c ratio, level of service, and delay for the background, buildout, and mitigated conditions:

Table 7: Intersection Mitigation Analysis

Internation	Campaia	PM Peak Hour							
Intersection	Scenario	V/C	E 37.	Delay (s)					
	2023 Background Conditions	1.96	F	490.2					
2. SW Oregon Street & SW Tonguin Road	2023 Buildout Conditions	V/C LOS Delay 1.96 F 490 2.20 F 602 0.78 B 13. 0.94 E 35. 0.95 E 37.	602.7						
Tongairtitoda	2023 Mitigated Conditions	0.78	В	13.8					
	2023 Background Conditions	0.94	Е	35.8					
4. SW Murdock Road & SW Sunset Boulevard	2023 Buildout Conditions	0.95	Е	37.6					
Sanset Boalevala	2023 Mitigated Conditions	0.73	D	27.3					

BOLDED text indicates intersection operation above jurisdictional standards.

The identified CIP projects will improve intersection operations to meet the City of Sherwood and Washington County jurisdictional standards.

It is recommended that the project applicant dedicate the necessary right-of-way as mitigation to the applicable CIP project at the intersection of SW Oregon Street & SW Tonquin Road. This intersection is identified in the City of Sherwood *Capital Improvement Plan (2020-2025)* (CIP) as Project ID #D3, which intends to reconstruct this intersection to a dumbbell roundabout with the SW Oregon Street/SW Murdock Road intersection.

It is recommended that the project applicant make a proportionate fair-share contribution to the applicable CIP project at the intersection of SW Murdock Road & SW Sunset Boulevard. This intersection is identified in the City of Sherwood *Capital Improvement Plan (2020-2025)* (CIP) as Project ID #D33, which intends to construct a southbound right-turn lane and a northbound left-turn lane.

No additional operational mitigation is necessary or recommended at these intersections.



Proportionate Share Mitigation Assessment

Consistent with *The Reserve TIA* (conducted by Kittleson & Associates September 19, 2019) and the *Cedar Creek Subdivision TIA* (conducted by Lancaster Mobley April 8, 2020), proportionate share fees were evaluated at intersections determined as failing, using methodologies similar to those presented in Table 6 and Table 7 of the referenced TIAs, respectively. Table 8 below provides the methodology used to calculate proportionate share fees based on the proposed development's trip generation impacts.

Table 8: Proportional Share Methology Summary

Intersection	SW Sunset Boulevard at SW Murdock Road/SW Baker Road
Mitigation Project Summary	Construct NB Left Turn Lane & SB Right Turn Lane
City TSP Project ID	D33
Peak Hour	Weekday PM
Scenario when Mitigation is Triggered	No Build (2024)
Existing Total Entering Volume, TEV (X)	1,208
2024 No Build (Background with RIRO, Y)	1,377
Project Trips (PT)	11
Background Growth (Z=Y-X)	169
Proportional Share (%, PT/(PT+Z))	6.11%
Mitigation Cost Estimate (\$)	\$750,000
Cost Estimate Reference	TSP (Ref 5)
Proportional Share Cost	\$45,833.33

Based on the proportionate share fee calculations, a proportionate share fee to mitigate site trip impacts to the above intersection is \$45,833.33.

The intersection of SW Oregon Street & SW Tonquin Road is identified in the City of Sherwood *Capital Improvement Plan (2020-2025)* (CIP) as Project ID #D3, which intends to reconstruct this intersection to a dumbbell roundabout with the SW Oregon Street/SW Murdock Road intersection. This capital improvement project will be funded by the Washington County Transportation Development Tax (TDT) and City of Sherwood System Development Charges (SDC). It is recommended that the project applicant dedicate the necessary right-of-way as appropriate mitigation.



Conclusions

No significant trends or crash patterns were identified at any of the study intersections that were indicative of safety concerns. No additional safety mitigation is recommended per the crash data analysis.

The preliminary traffic signal analysis determined that signal warrants are not projected to be met at any of the applicable study intersections under year 2023 Buildout Conditions, with the exception of the following intersection:

SW Oregon Street & SW Tonquin Road

This intersection is identified in the City of Sherwood *Capital Improvement Plan (2020-2025)* (CIP) as Project ID #D3, which intends to reconstruct this intersection to a dumbbell roundabout with the SW Oregon Street/SW Murdock Road intersection. Thus, the roundabout is the preferred alternative to a signal.

Left-turn lane warrants are not projected to be met upon at any of the applicable study intersections following completion and occupancy of the proposed development during the AM or PM Peak Hour.

All study intersections are currently operating acceptably per City of Sherwood and Washington County standards and are projected to continue operating acceptably in Background Year 2023, both with and without the addition of project traffic, with the following exceptions:

- SW Oregon Street & SW Tonquin Road v/c ratio exceeds 0.99 during PM Peak Hour
- SW Murdock Road & SW Sunset Boulevard v/c ratio exceeds 0.85 during PM Peak Hour

It is recommended that the project applicant dedicate the necessary right-of-way as mitigation to the applicable CIP project at the intersection of SW Oregon Street & SW Tonquin Road. This intersection is identified in the City of Sherwood *Capital Improvement Plan (2020-2025)* (CIP) as Project ID #D3, which intends to reconstruct this intersection to a dumbbell roundabout with the SW Oregon Street/SW Murdock Road intersection.

It is recommended that the project applicant make a proportionate fair-share contribution to the applicable CIP project at the intersection of SW Murdock Road & SW Sunset Boulevard. This intersection is identified in the City of Sherwood *Capital Improvement Plan (2020-2025)* (CIP) as Project ID #D33, which intends to construct a southbound right-turn lane and a northbound left-turn lane. A proportionate share fee to mitigate site trip impacts is calculated at \$45,833.33.



Appendix



Appendix A Site Plan



TAX LOT 100 TAX MAP 2S 1 33



PRELIMINARY SITE PLAN

BUSINESS PARK

OREGON STREET
SHERWOOD, OR

ORBOON

RENEWAL DATE: 12/31/23

JOB NUMBER: 7971

DATE: 02/01/2022

DESIGNED BY: BDL

CHECKED BY: JPC

P05

SCALE: 1"= 60 FEET

CONCRETE SIDEWALK/DRIVEWAY

Appendix B Traffic Counts



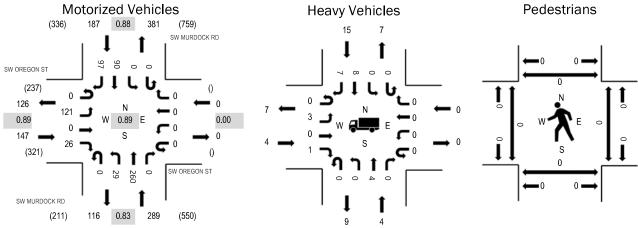


(303) 216-2439 www.alltrafficdata.net Location: 3 SW MURDOCK RD & SW OREGON ST AM

Date: Tuesday, August 18, 2020 **Peak Hour:** 07:35 AM - 08:35 AM

Peak 15-Minutes: 07:35 AM - 07:50 AM

Peak Hour



Note: Total study counts contained in parentheses.

	HV%	PHF
EB	2.7%	0.89
WB	0.0%	0.00
NB	1.4%	0.83
SB	8.0%	0.88
All	3.7%	0.89

Traffic Counts - Motorized Vehicles

iaine ooung	3 - IVIOLO	HZGU	VCITIC	103														
			EGON ST	Γ	SW OREGON ST				9		DOCK R	D	S					
Interval			bound				bound				bound		Southbound				_	Rolling
Start Time	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	Total	Hour
7:00 AM	0	12	0	0	0	0	0	0	0	2	23	0	0	0	2	5	44	593
7:05 AM	0	9	0	1	0	0	0	0	0	2	14	0	0	0	1	5	32	596
7:10 AM	0	18	0	3	0	0	0	0	0	0	26	0	0	0	0	5	52	609
7:15 AM	0	13	0	3	0	0	0	0	0	4	18	0	0	0	4	7	49	60
7:20 AM	0	12	0	2	0	0	0	0	0	3	14	0	0	0	4	4	39	61
7:25 AM	0	16	0	0	0	0	0	0	0	3	17	0	0	0	6	5	47	61
7:30 AM	0	16	0	2	0	0	0	0	0	4	16	0	0	0	7	7	52	62
7:35 AM	0	17	0	1	0	0	0	0	0	3	31	0	0	0	4	9	65	62
7:40 AM	0	10	0	3	0	0	0	0	0	3	23	0	0	0	6	3	48	61
7:45 AM	0	16	0	3	0	0	0	0	0	4	23	0	0	0	9	7	62	61
7:50 AM	0	16	0	5	0	0	0	0	0	2	31	0	0	0	4	3	61	61
7:55 AM	0	10	0	1	0	0	0	0	0	3	10	0	0	0	13	5	42	60
8:00 AM	0	6	0	1	0	0	0	0	0	2	28	0	0	0	5	5	47	61
8:05 AM	0	3	0	1	0	0	0	0	0	2	16	0	0	0	8	15	45	
8:10 AM	0	7	0	1	0	0	0	0	0	1	22	0	0	0	6	8	45	
8:15 AM	0	12	0	2	0	0	0	0	0	3	22	0	0	0	7	13	59	
8:20 AM	0	7	0	3	0	0	0	0	0	5	16	0	0	0	8	7	46	
8:25 AM	0	8	0	2	0	0	0	0	0	0	18	0	0	0	12	8	48	
8:30 AM	0	9	0	3	0	0	0	0	0	1	20	0	0	0	8	14	55	
8:35 AM	0	13	0	1	0	0	0	0	0	4	21	0	0	0	10	5	54	
8:40 AM	0	8	0	3	0	0	0	0	0	2	23	0	0	0	7	5	48	
8:45 AM	0	9	0	2	0	0	0	0	0	4	22	0	0	0	12	14	63	
8:50 AM	0	13	0	2	0	0	0	0	0	3	19	0	0	0	11	5	53	
8:55 AM	0	13	0	3	0	0	0	0	0	4	13	0	0	0	9	9	51	
Count Total	0	273	0	48	0	0	0	0	0	64	486	0	0	0	163	173	1,207	
Peak Hour	0	121	0	26	0	0	0	0	0	29	260	0	0	0	90	97	623	;

Exhibit A

Traffic Counts - Heavy Vehicles, Bicycles on Road, and Pedestrians/Bicycles on Crosswalk

Interval		Hea	avy Vehicl	es	•	Interval	•	Bicycle	s on Road	dway		Interval	Ped	destrians/E	Bicycles or	Crosswa	lk
Start Time	EB	NB	WB	SB	Total	Start Time	EB	NB	WB	SB	Total	Start Time	EB	NB	WB	SB	Total
7:00 AM	0	0	0	1	1	7:00 AM	0	0	0	0	0	7:00 AM	0	0	0	0	0
7:05 AM	0	0	0	0	0	7:05 AM	0	0	0	0	0	7:05 AM	0	0	0	0	0
7:10 AM	1	0	0	0	1	7:10 AM	0	1	0	1	2	7:10 AM	0	0	0	0	0
7:15 AM	1	1	0	2	4	7:15 AM	0	0	0	1	1	7:15 AM	0	0	0	0	0
7:20 AM	0	0	0	0	0	7:20 AM	0	0	0	0	0	7:20 AM	1	0	0	0	1
7:25 AM	0	0	0	0	0	7:25 AM	0	0	0	0	0	7:25 AM	0	0	0	0	0
7:30 AM	0	1	0	1	2	7:30 AM	0	0	0	0	0	7:30 AM	0	0	0	0	0
7:35 AM	0	0	0	2	2	7:35 AM	0	0	0	0	0	7:35 AM	0	0	0	0	0
7:40 AM	0	1	0	2	3	7:40 AM	0	0	0	0	0	7:40 AM	0	0	0	0	0
7:45 AM	0	0	0	2	2	7:45 AM	0	0	0	0	0	7:45 AM	0	0	0	0	0
7:50 AM	1	0	0	2	3	7:50 AM	0	0	0	0	0	7:50 AM	0	0	0	0	0
7:55 AM	0	0	0	0	0	7:55 AM	0	0	0	0	0	7:55 AM	0	0	0	0	0
8:00 AM	0	1	0	2	3	8:00 AM	0	0	0	0	0	8:00 AM	0	0	0	0	0
8:05 AM	0	1	0	1	2	8:05 AM	1	0	0	1	2	8:05 AM	0	0	0	0	0
8:10 AM	1	0	0	1	2	8:10 AM	0	0	0	0	0	8:10 AM	0	0	0	0	0
8:15 AM	1	1	0	1	3	8:15 AM	0	0	0	0	0	8:15 AM	0	0	0	0	0
8:20 AM	0	0	0	0	0	8:20 AM	0	0	0	0	0	8:20 AM	0	0	0	0	0
8:25 AM	1	0	0	2	3	8:25 AM	0	0	0	0	0	8:25 AM	0	0	0	0	0
8:30 AM	0	0	0	0	0	8:30 AM	0	1	0	1	2	8:30 AM	0	0	0	0	0
8:35 AM	1	1	0	0	2	8:35 AM	0	1	0	0	1	8:35 AM	0	0	0	0	0
8:40 AM	0	2	0	2	4	8:40 AM	0	0	0	0	0	8:40 AM	0	0	0	0	0
8:45 AM	0	3	0	2	5	8:45 AM	0	0	0	0	0	8:45 AM	0	0	0	0	0
8:50 AM	0	0	0	0	0	8:50 AM	0	0	0	0	0	8:50 AM	0	0	0	0	0
8:55 AM	0	0	0	2	2	8:55 AM	0	0	0	0	0	8:55 AM	0	0	0	0	0
Count Total	7	12	0	25	44	Count Total	1	3	0	4	8	Count Total	1	0	0	0	1
Peak Hour	4	4	0	15	23	Peak Hour	1	1	0	2	4	Peak Hour	0	0	0	0	0

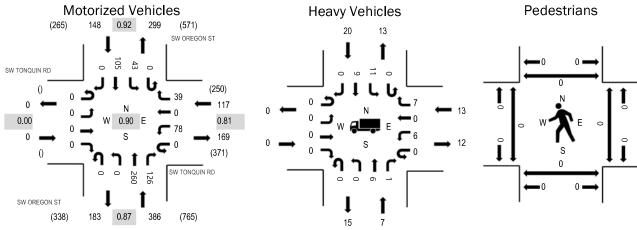


(303) 216-2439 www.alltrafficdata.net **Location:** 1 SW OREGON ST & SW TONQUIN RD AM

Date: Tuesday, August 18, 2020 **Peak Hour:** 07:35 AM - 08:35 AM

Peak 15-Minutes: 07:35 AM - 07:50 AM

Peak Hour



Note: Total study counts contained in parentheses.

	HV%	PHF
EB	0.0%	0.00
WB	11.1%	0.81
NB	1.8%	0.87
SB	13.5%	0.92
All	6.1%	0.90

Traffic Counts - Motorized Vehicles

raπic Count	s - Moto	rızea	venic	ies														
			IQUIN RI)			NQUIN R	D			EGON ST	•			GON ST			
Interval			oound				bound				bound				nbound			Rolling
Start Time	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	Total	Hour
7:00 AM	0	0	0	0	0	5	0	4	0	0	25	12	0	5	4	0	55	645
7:05 AM	0	0	0	0	0	3	0	9	0	0	17	7	0	4	4	0	44	639
7:10 AM	0	0	0	0	0	3	0	8	0	0	20	23	0	2	0	0	56	640
7:15 AM	0	0	0	0	0	9	0	4	0	0	25	5	0	2	5	0	50	631
7:20 AM	0	0	0	0	0	5	0	4	0	0	14	11	0	3	3	0	40	648
7:25 AM	0	0	0	0	0	5	0	6	0	0	13	22	0	2	3	0	51	650
7:30 AM	0	0	0	0	0	9	0	2	0	0	18	15	0	7	8	0	59	646
7:35 AM	0	0	0	0	0	8	0	1	0	0	30	17	0	5	4	0	65	651
7:40 AM	0	0	0	0	0	3	0	2	0	0	22	13	0	4	5	0	49	639
7:45 AM	0	0	0	0	0	8	0	5	0	0	26	12	0	8	8	0	67	640
7:50 AM	0	0	0	0	0	4	0	3	0	0	30	16	0	5	4	0	62	636
7:55 AM	0	0	0	0	0	8	0	3	0	0	12	11	0	3	10	0	47	636
8:00 AM	0	0	0	0	0	3	0	3	0	0	26	6	0	3	8	0	49	635
8:05 AM	0	0	0	0	0	6	0	4	0	0	17	3	0	2	13	0	45	
8:10 AM	0	0	0	0	0	4	0	3	0	0	23	6	0	1	10	0	47	
8:15 AM	0	0	0	0	0	11	0	7	0	0	21	15	0	3	10	0	67	
8:20 AM	0	0	0	0	0	9	0	2	0	0	12	9	0	2	8	0	42	
8:25 AM	0	0	0	0	0	6	0	0	0	0	16	9	0	4	12	0	47	
8:30 AM	0	0	0	0	0	8	0	6	0	0	25	9	0	3	13	0	64	
8:35 AM	0	0	0	0	0	8	0	1	0	0	22	11	0	4	7	0	53	
8:40 AM	0	0	0	0	0	6	0	2	0	0	15	13	0	6	8	0	50	
8:45 AM	0	0	0	0	0	12	0	6	0	0	23	9	0	3	10	0	63	
8:50 AM	0	0	0	0	0	7	0	5	0	0	18	16	0	3	13	0	62	
8:55 AM	0	0	0	0	0	9	0	1	0	0	10	15	0	2	9	0	46	
Count Total	0	0	0	0	0	159	0	91	0	0	480	285	0	86	179	0	1,280	
Peak Hour	0	0	0	0	0	78	0	39	0	0	260	126	0	43	105	0	651	

Exhibit A

Traffic Counts - Heavy Vehicles, Bicycles on Road, and Pedestrians/Bicycles on Crosswalk

Interval		Hea	avy Vehicle		, o, o.o	Interval		Bicycle	es on Road	dway		Interval	Ped	lestrians/E	Bicycles on	Crosswa	alk
Start Time	EB	NB	WB	SB	Total	Start Time	EB	NB	WB	SB	Total	Start Time	EB	NB	WB	SB	Total
7:00 AM	0	0	2	3	5	7:00 AM	0	0	0	0	0	7:00 AM	0	0	0	0	0
7:05 AM	0	0	1	2	3	7:05 AM	0	0	0	0	0	7:05 AM	0	0	0	0	0
7:10 AM	0	1	2	0	3	7:10 AM	0	1	1	0	2	7:10 AM	0	0	0	0	0
7:15 AM	0	2	3	0	5	7:15 AM	0	0	0	1	1	7:15 AM	0	0	0	0	0
7:20 AM	0	0	3	0	3	7:20 AM	0	0	0	0	0	7:20 AM	0	0	0	0	0
7:25 AM	0	0	4	0	4	7:25 AM	0	0	0	0	0	7:25 AM	0	0	0	0	0
7:30 AM	0	0	0	3	3	7:30 AM	0	0	0	0	0	7:30 AM	0	0	0	0	0
7:35 AM	0	0	2	2	4	7:35 AM	0	0	0	0	0	7:35 AM	0	0	0	0	0
7:40 AM	0	1	0	3	4	7:40 AM	0	0	0	0	0	7:40 AM	0	0	0	0	0
7:45 AM	0	0	3	1	4	7:45 AM	0	0	0	0	0	7:45 AM	0	0	0	0	0
7:50 AM	0	1	1	2	4	7:50 AM	0	0	0	0	0	7:50 AM	0	0	0	0	0
7:55 AM	0	0	0	1	1	7:55 AM	0	0	0	0	0	7:55 AM	0	0	0	0	0
8:00 AM	0	1	0	4	5	8:00 AM	0	0	0	0	0	8:00 AM	0	0	0	0	0
8:05 AM	0	1	2	2	5	8:05 AM	0	1	0	0	1	8:05 AM	0	0	0	0	0
8:10 AM	0	1	2	1	4	8:10 AM	0	0	0	0	0	8:10 AM	0	0	0	0	0
8:15 AM	0	2	1	2	5	8:15 AM	0	0	0	0	0	8:15 AM	0	0	0	0	0
8:20 AM	0	0	1	1	2	8:20 AM	0	0	0	0	0	8:20 AM	0	0	0	0	0
8:25 AM	0	0	1	1	2	8:25 AM	0	0	0	0	0	8:25 AM	0	0	0	0	0
8:30 AM	0	0	0	0	0	8:30 AM	0	0	0	0	0	8:30 AM	0	0	0	0	0
8:35 AM	0	2	0	1	3	8:35 AM	0	1	0	0	1	8:35 AM	0	0	0	0	0
8:40 AM	0	2	0	4	6	8:40 AM	0	0	0	0	0	8:40 AM	0	0	0	0	0
8:45 AM	0	3	4	1	8	8:45 AM	0	0	0	0	0	8:45 AM	0	0	0	0	0
8:50 AM	0	0	0	2	2	8:50 AM	0	0	0	0	0	8:50 AM	0	0	0	0	0
8:55 AM	0	0	2	1	3	8:55 AM	0	0	0	0	0	8:55 AM	0	0	0	0	0
Count Total	0	17	34	37	88	Count Total	0	3	1	1	5	Count Total	0	0	0	0	0
Peak Hour	0	7	13	20	40	Peak Hour	0	1	0	0	1	Peak Hour	0	0	0	0	0

Location: 2 SW OREGON ST & SW TUALATIN SHERWOOD RD AM

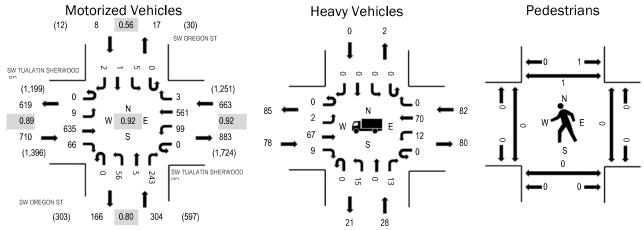


(303) 216-2439 www.alltrafficdata.net Location: 2 SW OREGON ST & SW TUALATIN SHERWOOD RD AM

Date: Tuesday, August 18, 2020 **Peak Hour:** 07:30 AM - 08:30 AM

Peak 15-Minutes: 07:35 AM - 07:50 AM

Peak Hour



Note: Total study counts contained in parentheses.

	HV%	PHF
EB	11.0%	0.89
WB	12.4%	0.92
NB	9.2%	0.80
SB	0.0%	0.56
All	11.2%	0.92

Traffic Counts - Motorized Vehicles

Interval	SW T		N SHERV Bound	VOOD	SWT		N SHERV ₿Øund	WOOD			GON ST				GON ST			Rollir
Start Time	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	Total	Hou
7:00 AM	0	1	36	2	0	3	35	0	0	3	0	28	0	0	0	0	108	1,60
7:05 AM	0	0	63	4	0	0	39	0	0	2	0	19	0	0	0	0	127	1,64
7:10 AM	0	0	56	8	0	3	29	1	0	6	1	21	0	1	0	0	126	1,64
7:15 AM	0	0	54	6	0	4	36	0	0	8	0	22	0	0	0	0	130	1,6
7:20 AM	0	1	54	6	0	8	41	0	0	8	0	14	0	0	0	0	132	1,6
7:25 AM	0	0	40	8	0	3	36	0	0	10	0	11	0	0	0	0	108	1,6
7:30 AM	0	0	72	6	0	3	49	0	0	3	0	15	0	0	0	0	148	1,6
7:35 AM	0	0	52	7	0	7	53	2	0	4	0	34	0	2	0	0	161	1,6
7:40 AM	0	0	64	9	0	6	30	0	0	5	0	22	0	0	0	0	136	1,6
7:45 AM	0	0	55	7	0	8	53	1	0	6	1	29	0	0	0	0	160	1,6
7:50 AM	0	2	53	5	0	6	33	0	0	4	2	25	0	0	0	0	130	1,6
7:55 AM	0	2	59	5	0	7	52	0	0	3	1	13	0	0	0	0	142	1,6
8:00 AM	0	1	41	5	0	15	47	0	0	9	0	25	0	1	0	0	144	1,6
8:05 AM	0	0	51	3	0	7	50	0	0	4	0	16	0	0	1	0	132	
8:10 AM	0	3	29	0	0	7	35	0	0	2	1	19	0	0	0	2	98	
8:15 AM	0	1	64	2	0	14	48	0	0	7	0	17	0	1	0	0	154	
8:20 AM	0	0	58	8	0	6	54	0	0	5	0	14	0	1	0	0	146	
8:25 AM	0	0	37	9	0	13	57	0	0	4	0	14	0	0	0	0	134	
8:30 AM	0	0	55	5	0	5	48	1	0	9	0	22	0	0	0	0	145	
8:35 AM	0	0	70	6	0	8	54	1	0	1	0	20	0	1	0	0	161	
8:40 AM	0	1	55	4	0	8	46	1	0	5	1	15	0	0	0	0	136	
8:45 AM	0	2	49	7	0	12	49	0	0	8	0	20	0	1	0	0	148	
8:50 AM	0	0	41	4	0	13	46	1	0	8	0	17	0	0	0	0	130	
8:55 AM	0	0	45	3	0	7	49	1	0	4	0	10	0	1	0	0	120	
Count Total	0	14	1,253	129	0	173	1,069	9	0	128	7	462	0	9	1	2	3,256	
Peak Hour	0	9	635	66	0	99	561	3	0	56	5	243	0	5	1	2	1,685	

Traffic Counts - Heavy Vehicles, Bicycles on Road, and Pedestrians/Bicycles on Crosswalk

Interval		Hea	avy Vehicle	es		Interval		Bicycle	s on Road	dway		Interval	Ped	lestrians/E	Bicycles on	Crosswa	lk
Start Time	EB	NB	WB	SB	Total	Start Time	EB	NB	WB	SB	Total	Start Time	EB	NB	WB	SB	Total
7:00 AM	3	5	5	0	13	7:00 AM	0	0	0	0	0	7:00 AM	0	0	0	0	0
7:05 AM	5	2	6	0	13	7:05 AM	0	0	0	0	0	7:05 AM	0	0	0	0	0
7:10 AM	6	2	3	1	12	7:10 AM	1	0	1	0	2	7:10 AM	0	0	0	0	0
7:15 AM	2	3	8	0	13	7:15 AM	0	0	0	0	0	7:15 AM	0	0	0	0	0
7:20 AM	3	3	7	0	13	7:20 AM	0	0	0	0	0	7:20 AM	0	0	0	0	0
7:25 AM	3	4	8	0	15	7:25 AM	0	0	0	0	0	7:25 AM	0	0	0	0	0
7:30 AM	6	1	9	0	16	7:30 AM	0	0	0	0	0	7:30 AM	0	0	0	0	0
7:35 AM	8	3	10	0	21	7:35 AM	0	0	0	0	0	7:35 AM	0	0	0	0	0
7:40 AM	5	2	5	0	12	7:40 AM	0	0	0	0	0	7:40 AM	0	0	0	1	1
7:45 AM	4	2	7	0	13	7:45 AM	0	0	0	0	0	7:45 AM	0	0	0	0	0
7:50 AM	9	1	6	0	16	7:50 AM	0	0	0	0	0	7:50 AM	0	0	0	0	0
7:55 AM	7	2	10	0	19	7:55 AM	0	0	0	0	0	7:55 AM	0	0	0	0	0
8:00 AM	7	2	4	0	13	8:00 AM	1	0	0	0	1	8:00 AM	0	0	0	0	0
8:05 AM	12	3	6	0	21	8:05 AM	0	0	0	0	0	8:05 AM	0	0	0	0	0
8:10 AM	2	2	8	0	12	8:10 AM	0	0	0	0	0	8:10 AM	0	0	0	0	0
8:15 AM	4	4	8	0	16	8:15 AM	0	0	0	0	0	8:15 AM	0	0	0	0	0
8:20 AM	7	5	2	0	14	8:20 AM	0	0	0	0	0	8:20 AM	0	0	0	0	0
8:25 AM	7	1	7	0	15	8:25 AM	0	0	0	0	0	8:25 AM	0	0	0	0	0
8:30 AM	5	2	4	0	11	8:30 AM	0	0	0	0	0	8:30 AM	0	0	0	0	0
8:35 AM	6	2	10	0	18	8:35 AM	0	1	0	0	1	8:35 AM	0	0	0	0	0
8:40 AM	5	0	7	0	12	8:40 AM	0	0	0	0	0	8:40 AM	0	0	0	1	1
8:45 AM	5	6	6	0	17	8:45 AM	0	0	0	0	0	8:45 AM	0	0	0	0	0
8:50 AM	3	1	3	0	7	8:50 AM	0	0	0	0	0	8:50 AM	0	0	0	0	0
8:55 AM	6	1	10	0	17	8:55 AM	0	0	0	0	0	8:55 AM	0	0	0	0	0
Count Total	130	59	159	1	349	Count Total	2	1	1	0	4	Count Total	0	0	0	2	2
Peak Hour	78	28	82	0	188	Peak Hour	1	0	0	0	1	Peak Hour	0	0	0	1	1

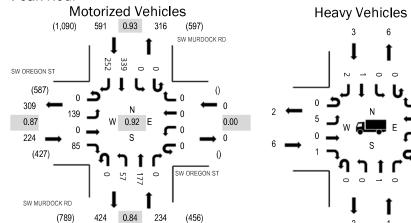


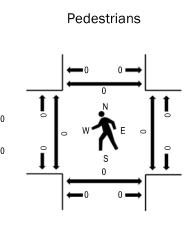
(303) 216-2439 www.alltrafficdata.net Location: 3 SW MURDOCK RD & SW OREGON ST PM

Date: Tuesday, August 18, 2020 **Peak Hour:** 04:35 PM - 05:35 PM

Peak 15-Minutes: 05:05 PM - 05:20 PM

Peak Hour





Note: Total study counts contained in parentheses.

	HV%	PHF
EB	2.7%	0.87
WB	0.0%	0.00
NB	0.4%	0.84
SB	0.5%	0.93
All	1.0%	0.92

Traffic Counts - Motorized Vehicles

Interval			EGON ST cound	Γ			EGON S ⁻ bound	Τ	S	SW MUR North	DOCK RI bound)	S		DOCK RE)		Rollin
Start Time	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	Total	Houi
4:00 PM	0	7	0	3	0	0	0	0	0	5	26	0	0	0	20	21	82	1,00
4:05 PM	0	9	0	12	0	0	0	0	0	6	13	0	0	0	27	14	81	99
4:10 PM	0	15	0	11	0	0	0	0	0	4	13	0	0	0	27	17	87	1,00
4:15 PM	0	9	0	4	0	0	0	0	0	5	14	0	0	0	25	19	76	1,01
4:20 PM	0	12	0	7	0	0	0	0	0	5	11	0	0	0	29	19	83	1,04
4:25 PM	0	9	0	6	0	0	0	0	0	5	13	0	0	0	21	21	75	1,03
4:30 PM	0	15	0	5	0	0	0	0	0	6	12	0	0	0	24	21	83	1,04
4:35 PM	0	11	0	9	0	0	0	0	0	4	18	0	0	0	20	30	92	1,04
4:40 PM	0	13	0	4	0	0	0	0	0	4	20	0	0	0	25	24	90	1,0
4:45 PM	0	8	0	8	0	0	0	0	0	9	18	0	0	0	27	27	97	1,0
4:50 PM	0	12	0	8	0	0	0	0	0	5	16	0	0	0	24	11	76	1,0
4:55 PM	0	10	0	8	0	0	0	0	0	4	9	0	0	0	27	21	79	9
5:00 PM	0	13	0	4	0	0	0	0	0	2	11	0	0	0	30	20	80	9
5:05 PM	0	22	0	7	0	0	0	0	0	3	12	0	0	0	26	14	84	
5:10 PM	0	12	0	8	0	0	0	0	0	8	19	0	0	0	29	27	103	
5:15 PM	0	7	0	9	0	0	0	0	0	7	20	0	0	0	37	19	99	
5:20 PM	0	7	0	7	0	0	0	0	0	3	14	0	0	0	31	16	78	
5:25 PM	0	12	0	6	0	0	0	0	0	6	7	0	0	0	33	20	84	
5:30 PM	0	12	0	7	0	0	0	0	0	2	13	0	0	0	30	23	87	
5:35 PM	0	9	0	6	0	0	0	0	0	4	11	0	0	0	26	21	77	
5:40 PM	0	10	0	8	0	0	0	0	0	2	16	0	0	0	19	16	71	
5:45 PM	0	14	0	6	0	0	0	0	0	8	8	0	0	0	26	20	82	
5:50 PM	0	8	0	5	0	0	0	0	0	8	9	0	0	0	21	9	60	
5:55 PM	0	5	0	8	0	0	0	0	0	5	13	0	0	0	19	17	67	
Count Total	0	261	0	166	0	0	0	0	0	120	336	0	0	0	623	467	1,973	
Peak Hour	0	139	0	85	0	0	0	0	0	57	177	0	0	0	339	252	1.049	

Exhibit A

Traffic Counts - Heavy Vehicles, Bicycles on Road, and Pedestrians/Bicycles on Crosswalk

Interval		Hea	avy Vehicle	es	•	Interval	·	Bicycle	es on Road	dway		Interval	Ped	destrians/E	Bicycles on	Crosswa	lk
Start Time	EB	NB	WB	SB	Total	Start Time	EB	NB	WB	SB	Total	Start Time	EB	NB	WB	SB	Total
4:00 PM	0	1	0	1	2	4:00 PM	0	1	0	0	1	4:00 PM	0	0	0	0	0
4:05 PM	0	0	0	0	0	4:05 PM	0	0	0	0	0	4:05 PM	0	0	0	0	0
4:10 PM	0	2	0	1	3	4:10 PM	1	0	0	0	1	4:10 PM	0	0	0	0	0
4:15 PM	0	0	0	0	0	4:15 PM	0	0	0	0	0	4:15 PM	0	0	0	0	0
4:20 PM	0	0	0	0	0	4:20 PM	0	0	0	0	0	4:20 PM	0	0	0	0	0
4:25 PM	1	0	0	0	1	4:25 PM	0	1	0	0	1	4:25 PM	0	0	0	2	2
4:30 PM	0	0	0	0	0	4:30 PM	0	0	0	0	0	4:30 PM	0	2	0	0	2
4:35 PM	0	0	0	0	0	4:35 PM	0	0	0	0	0	4:35 PM	0	0	0	0	0
4:40 PM	0	0	0	0	0	4:40 PM	0	0	0	0	0	4:40 PM	0	0	0	0	0
4:45 PM	0	0	0	0	0	4:45 PM	0	0	0	0	0	4:45 PM	0	0	0	0	0
4:50 PM	0	0	0	0	0	4:50 PM	0	0	0	0	0	4:50 PM	0	0	0	0	0
4:55 PM	0	0	0	0	0	4:55 PM	0	0	0	0	0	4:55 PM	0	0	0	0	0
5:00 PM	1	0	0	2	3	5:00 PM	0	1	0	0	1	5:00 PM	0	0	0	0	0
5:05 PM	2	0	0	0	2	5:05 PM	0	0	0	0	0	5:05 PM	0	0	0	0	0
5:10 PM	1	0	0	0	1	5:10 PM	0	0	0	0	0		0	0	0	0	0
5:15 PM	1	0	0	0	1	5:15 PM	0	0	0	0	0	5:15 PM	0	0	0	0	0
5:20 PM	0	1	0	0	1	5:20 PM	1	0	0	0	1	5:20 PM	1	0	0	0	1
5:25 PM	0	0	0	0	0	5:25 PM	0	0	0	1	1	5:25 PM	0	0	0	0	0
5:30 PM	1	0	0	1	2	5:30 PM	0	0	0	0	0		0	0	0	0	0
5:35 PM	0	0	0	0	0	5:35 PM	0	0	0	0	0	5:35 PM	0	0	0	0	0
5:40 PM	0	0	0	0	0	5:40 PM	0	0	0	2	2	5:40 PM	0	0	0	0	0
5:45 PM	0	1	0	0	1	5:45 PM	0	0	0	0	0	5:45 PM	0	0	0	0	0
5:50 PM	0	0	0	0	0	5:50 PM	0	0	0	0	0	5:50 PM	0	0	0	0	0
5:55 PM	0	1	0	2	3	5:55 PM	0	0	0	1	1	5:55 PM	0	0	0	0	0
Count Total	7	6	0	7	20	Count Total	2	3	0	4	9	Count Total	1	2	0	2	5
Peak Hour	6	1	0	3	10	Peak Hour	1	1	0	1	3	Peak Hour	1	0	0	0	1

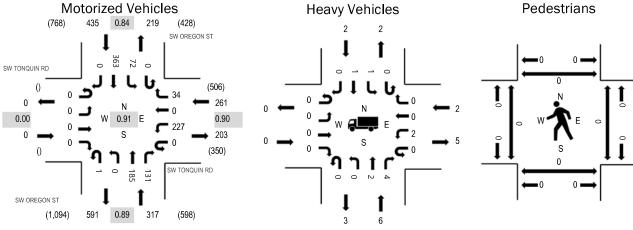


(303) 216-2439 www.alltrafficdata.net Location: 1 SW OREGON ST & SW TONQUIN RD PM

Date: Tuesday, August 18, 2020 **Peak Hour:** 04:35 PM - 05:35 PM

Peak 15-Minutes: 04:35 PM - 04:50 PM

Peak Hour



Note: Total study counts contained in parentheses.

	HV%	PHF
EB	0.0%	0.00
WB	0.8%	0.90
NB	1.9%	0.89
SB	0.5%	0.84
All	1.0%	0.91

Traffic Counts - Motorized Vehicles

Interval			IQUIN RI)			IQUIN RI bound	D			GON ST		;		GON ST			Rolling
Start Time	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	Total	Hour
4:00 PM	0	0	0	0	0	22	0	2	0	0	27	4	0	4	25	0	84	963
4:05 PM	0	0	0	0	0	14	0	3	0	0	13	7	0	11	29	0	77	957
4:10 PM	0	0	0	0	0	20	0	5	0	0	20	10	0	6	23	0	84	964
4:15 PM	0	0	0	0	0	13	0	0	0	0	16	5	0	6	28	0	68	969
4:20 PM	0	0	0	0	0	24	0	1	0	0	17	5	0	5	26	0	78	993
4:25 PM	0	0	0	0	0	23	0	2	0	0	16	10	0	4	21	0	76	992
4:30 PM	0	0	0	0	0	17	0	4	0	0	16	12	0	4	22	0	75	997
4:35 PM	0	0	0	0	0	17	0	5	0	0	14	12	0	7	36	0	91	1,013
4:40 PM	0	0	0	0	0	22	0	3	0	0	20	17	0	12	27	0	101	995
4:45 PM	0	0	0	0	0	27	0	1	0	0	13	10	0	5	29	0	85	960
4:50 PM	0	0	0	0	0	12	0	2	0	0	18	12	0	4	21	0	69	942
4:55 PM	0	0	0	0	0	24	0	3	0	0	9	8	0	6	25	0	75	926
5:00 PM	0	0	0	0	0	19	0	2	0	0	16	9	0	5	27	0	78	909
5:05 PM	0	0	0	0	0	14	0	2	0	0	18	15	0	4	31	0	84	
5:10 PM	0	0	0	0	0	21	0	2	0	0	19	13	0	4	30	0	89	
5:15 PM	0	0	0	0	0	22	0	2	0	0	21	5	0	5	37	0	92	
5:20 PM	0	0	0	0	0	9	0	3	1	0	11	10	0	8	35	0	77	
5:25 PM	0	0	0	0	0	16	0	3	0	0	10	8	0	10	34	0	81	
5:30 PM	0	0	0	0	0	24	0	6	0	0	16	12	0	2	31	0	91	
5:35 PM	0	0	0	0	0	25	0	1	0	0	12	6	0	2	27	0	73	
5:40 PM	0	0	0	0	0	14	0	3	0	0	17	8	0	2	22	0	66	
5:45 PM	0	0	0	0	0	20	0	1	0	0	11	11	0	1	23	0	67	
5:50 PM	0	0	0	0	0	12	0	2	0	0	10	9	0	2	18	0	53	
5:55 PM	0	0	0	0	0	17	0	0	0	0	10	9	0	4	18	0	58	
Count Total	0	0	0	0	0	448	0	58	1	0	370	227	0	123	645	0	1,872	_
Peak Hour	0	0	0	0	0	227	0	34	1	0	185	131	0	72	363	0	1,013	_

Exhibit A

Location: 1 SW OREGON ST & SW TONQUIN RD PM

Traffic Counts - Heavy Vehicles, Bicycles on Road, and Pedestrians/Bicycles on Crosswalk

Interval		Hea	avy Vehicle		, o, o	Interval		Bicycle	es on Road	dway		Interval	Ped	lestrians/E	Bicycles or	Crosswa	alk
Start Time	EB	NB	WB	SB	Total	Start Time	EB	NB	WB	SB	Total	Start Time	EB	NB	WB	SB	Total
4:00 PM	0	1	2	0	3	4:00 PM	0	1	0	0	1	4:00 PM	0	0	0	0	0
4:05 PM	0	0	1	2	3	4:05 PM	0	0	0	0	0	4:05 PM	0	0	0	0	0
4:10 PM	0	2	3	0	5	4:10 PM	0	1	0	0	1	4:10 PM	0	0	0	0	0
4:15 PM	0	0	0	2	2	4:15 PM	0	0	0	0	0	4:15 PM	0	0	0	0	0
4:20 PM	0	0	0	1	1	4:20 PM	0	0	0	0	0	4:20 PM	0	0	0	0	0
4:25 PM	0	1	0	1	2	4:25 PM	0	0	0	0	0	4:25 PM	0	0	0	0	0
4:30 PM	0	0	0	0	0	4:30 PM	0	0	0	0	0	4:30 PM	0	0	0	0	0
4:35 PM	0	0	0	0	0	4:35 PM	0	0	0	0	0	4:35 PM	0	0	0	0	0
4:40 PM	0	0	0	0	0	4:40 PM	0	0	0	0	0	4:40 PM	0	0	0	0	0
4:45 PM	0	0	0	0	0	4:45 PM	0	0	0	0	0	4:45 PM	0	0	0	0	0
4:50 PM	0	0	0	0	0	4:50 PM	0	0	0	0	0	4:50 PM	0	0	0	0	0
4:55 PM	0	0	0	0	0	4:55 PM	0	0	0	0	0	4:55 PM	0	0	0	0	0
5:00 PM	0	1	2	0	3	5:00 PM	0	0	0	0	0	5:00 PM	0	0	0	0	0
5:05 PM	0	1	0	0	1	5:05 PM	0	0	0	0	0	5:05 PM	0	0	0	0	0
5:10 PM	0	1	0	0	1	5:10 PM	0	0	0	0	0	5:10 PM	0	0	0	0	0
5:15 PM	0	1	0	1	2	5:15 PM	0	0	0	0	0	5:15 PM	0	0	0	0	0
5:20 PM	0	1	0	0	1	5:20 PM	0	0	0	0	0	5:20 PM	0	0	0	0	0
5:25 PM	0	0	0	0	0	5:25 PM	0	0	0	0	0	5:25 PM	0	0	0	0	0
5:30 PM	0	1	0	1	2	5:30 PM	0	0	0	0	0	5:30 PM	0	0	0	0	0
5:35 PM	0	0	0	1	1	5:35 PM	0	0	0	0	0	5:35 PM	0	0	0	0	0
5:40 PM	0	0	0	0	0	5:40 PM	0	0	2	0	2	5:40 PM	0	0	0	0	0
5:45 PM	0	1	0	0	1	5:45 PM	0	0	0	0	0	5:45 PM	0	0	0	0	0
5:50 PM	0	0	0	0	0	5:50 PM	0	0	0	0	0	5:50 PM	0	0	0	0	0
5:55 PM	0	1	1	0	2	5:55 PM	0	0	0	0	0	5:55 PM	0	0	0	0	0
Count Total	0	12	9	9	30	Count Total	0	2	2	0	4	Count Total	0	0	0	0	0
Peak Hour	0	6	2	2	10	Peak Hour	0	0	0	0	0	Peak Hour	0	0	0	0	0

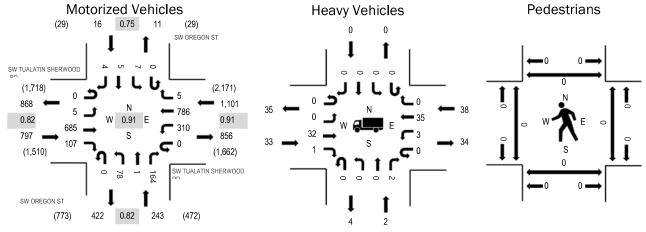


(303) 216-2439 www.alltrafficdata.net Location: 2 SW OREGON ST & SW TUALATIN SHERWOOD RD PM

Date: Tuesday, August 18, 2020 **Peak Hour:** 04:30 PM - 05:30 PM

Peak 15-Minutes: 04:30 PM - 04:45 PM

Peak Hour



Note: Total study counts contained in parentheses.

	HV%	PHF
EB	4.1%	0.82
WB	3.5%	0.91
NB	0.8%	0.82
SB	0.0%	0.75
All	3.4%	0.91

Traffic Counts - Motorized Vehicles

Interval	SW T		N SHERV Bound	VOOD	SW T		N SHERV B O und	VOOD			GON ST	•	;		GON ST			Rolling
Start Time	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	Total	Hour
4:00 PM	0	0	54	14	0	25	71	2	0	7	0	24	0	2	0	0	199	2,142
4:05 PM	0	0	53	13	0	16	70	1	0	10	0	17	0	0	0	2	182	2,129
4:10 PM	0	1	59	7	0	23	76	0	0	5	0	14	0	1	1	1	188	2,102
4:15 PM	0	0	38	7	0	29	72	0	0	7	0	14	0	0	0	2	169	2,111
4:20 PM	0	0	55	6	0	21	70	0	0	1	0	16	0	1	1	0	171	2,121
4:25 PM	0	0	48	3	0	24	52	0	0	8	0	14	0	1	0	0	150	2,138
4:30 PM	0	0	73	8	0	20	75	0	0	8	0	11	0	0	0	0	195	2,157
4:35 PM	0	1	68	19	0	22	64	2	0	6	0	16	0	2	2	0	202	2,145
4:40 PM	0	1	61	11	0	27	70	0	0	5	0	17	0	0	0	1	193	2,108
4:45 PM	0	0	53	5	0	21	58	0	0	6	0	16	0	3	0	0	162	2,069
4:50 PM	0	0	55	5	0	21	69	0	0	5	0	11	0	1	1	1	169	2,089
4:55 PM	0	0	47	10	0	30	59	0	0	7	0	8	0	0	1	0	162	2,045
5:00 PM	0	0	61	13	0	16	72	0	0	6	0	17	0	0	1	0	186	2,040
5:05 PM	0	2	48	5	0	27	54	1	0	8	0	10	0	0	0	0	155	
5:10 PM	0	0	59	6	0	26	79	1	0	6	0	20	0	0	0	0	197	
5:15 PM	0	1	36	8	0	40	66	0	0	11	0	16	0	0	0	1	179	
5:20 PM	0	0	65	12	0	28	64	0	0	6	0	13	0	0	0	0	188	
5:25 PM	0	0	59	5	0	32	56	1	0	4	1	9	0	1	0	1	169	
5:30 PM	0	0	73	5	0	21	63	0	0	6	0	14	0	0	1	0	183	
5:35 PM	0	0	56	5	0	19	66	2	0	4	0	13	0	0	0	0	165	
5:40 PM	0	1	46	1	0	25	61	2	0	4	0	14	0	0	0	0	154	
5:45 PM	0	1	60	2	0	19	84	3	0	2	0	11	0	0	0	0	182	
5:50 PM	0	1	35	4	0	20	48	1	0	4	1	11	0	0	0	0	125	
5:55 PM	0	1	55	9	0	30	54	0	0	0	1	7	0	0	0	0	157	
Count Total	0	10	1,317	183	0	582	1,573	16	0	136	3	333	0	12	8	9	4,182	_
Peak Hour	0	5	685	107	0	310	786	5	0	78	1	164	0	7	5	4	2,157	_

Exhibit A

Traffic Counts - Heavy Vehicles, Bicycles on Road, and Pedestrians/Bicycles on Crosswalk

Interval		Hea	avy Vehicl	es	•	Interval	•	Bicycle	es on Road	dway		Interval	Ped	destrians/E	Bicycles on	Crosswa	lk
Start Time	EB	NB	WB	SB	Total	Start Time	EB	NB	WB	SB	Total	Start Time	EB	NB	WB	SB	Total
4:00 PM	4	2	3	0	9	4:00 PM	0	0	1	0	1	4:00 PM	0	0	0	0	0
4:05 PM	2	2	2	0	6	4:05 PM	0	0	0	0	0	4:05 PM	0	0	0	0	0
4:10 PM	1	4	5	0	10	4:10 PM	0	1	0	0	1	4:10 PM	0	0	0	0	0
4:15 PM	4	0	2	0	6	4:15 PM	0	0	0	0	0	4:15 PM	0	0	0	0	0
4:20 PM	5	0	2	0	7	4:20 PM	0	0	0	0	0	4:20 PM	0	0	0	0	0
4:25 PM	3	0	3	0	6	4:25 PM	0	0	0	0	0	4:25 PM	0	0	0	0	0
4:30 PM	3	0	2	0	5	4:30 PM	0	0	0	0	0	4:30 PM	0	0	0	0	0
4:35 PM	2	0	2	0	4	4:35 PM	1	0	0	0	1	4:35 PM	0	0	0	0	0
4:40 PM	5	0	5	0	10	4:40 PM	0	0	0	0	0	4:40 PM	0	0	0	0	0
4:45 PM	0	0	3	0	3	4:45 PM	0	0	0	0	0	4:45 PM	0	0	0	0	0
4:50 PM	2	0	5	0	7	4:50 PM	0	0	0	0	0	4:50 PM	0	0	0	0	0
4:55 PM	3	0	3	0	6	4:55 PM	0	0	0	0	0	4:55 PM	0	0	0	0	0
5:00 PM	3	0	3	0	6	5:00 PM	0	0	0	0	0	5:00 PM	0	0	0	0	0
5:05 PM	5	0	3	0	8	5:05 PM	0	0	0	0	0	5:05 PM	0	0	0	0	0
5:10 PM	1	0	3	0	4	5:10 PM	0	0	0	0	0	5:10 PM	0	0	0	0	0
5:15 PM	2	1	3	0	6	5:15 PM	0	0	1	0	1	5:15 PM	0	0	0	0	0
5:20 PM	6	1	4	0	11	5:20 PM	0	0	1	0	1	5:20 PM	0	0	0	0	0
5:25 PM	1	0	2	0	3	5:25 PM	0	0	0	0	0	5:25 PM	0	0	0	0	0
5:30 PM	5	0	0	0	5	5:30 PM	0	0	0	0	0	5:30 PM	0	0	0	0	0
5:35 PM	2	0	2	0	4	5:35 PM	0	0	0	0	0	5:35 PM	0	0	0	0	0
5:40 PM	2	0	1	0	3	5:40 PM	0	0	0	0	0	5:40 PM	0	0	0	0	0
5:45 PM	3	1	6	0	10	5:45 PM	0	0	0	0	0	5:45 PM	0	0	0	0	0
5:50 PM	2	0	2	0	4	5:50 PM	0	0	0	0	0	5:50 PM	0	0	0	0	0
5:55 PM	2	0	4	0	6	5:55 PM	0	0	0	0	0	5:55 PM	0	0	0	0	0
Count Total	68	11	70	0	149	Count Total	1	1	3	0	5	Count Total	0	0	0	0	0
Peak Hour	33	2	38	0	73	Peak Hour	1	0	2	0	3	Peak Hour	0	0	0	0	0

Appendix C Trip Generation Worksheets





TRIP GENERATION CALCULATIONS

Land Use: General Light Industrial

Land Use Code: 110

Setting/Location General Urban/Suburban

Variable: 1,000 Square Feet of Gross Floor Area

Variable Quantity: 115.170

AM PEAK HOUR

Trip Rate: 0.70

	Enter	Exit	Total
Directional Distribution	88%	12%	
Trip Ends	71	10	81

PM PEAK HOUR

Trip Rate: 0.63

	Enter	Exit	Total
Directional Distribution	13%	87%	
Trip Ends	9	64	73

WEEKDAY

Trip Rate: 4.96

	Enter	Exit	Total
Directional Distribution	50%	50%	
Trip Ends	286	286	572

SATURDAY

Trip Rate: 1.99

	Enter	Exit	Total
Directional Distribution	50%	50%	
Trip Ends	115	115	230

Source: TRIP GENERATION, Tenth Edition



TRIP GENERATION CALCULATIONS

Land Use: General Light Industrial

Land Use Code: 110

Setting/Location General Urban/Suburban

Variable: 1,000 Square Feet of Gross Floor Area

Variable Quantity: 120.815

AM PEAK HOUR

Trip Rate: 0.70

	Enter	Exit	Total
Directional Distribution	88%	12%	
Trip Ends	75	10	85

PM PEAK HOUR

Trip Rate: 0.63

	Enter	Exit	Total
Directional Distribution	13%	87%	
Trip Ends	10	66	76

WEEKDAY

Trip Rate: 4.96

	Enter	Exit	Total
Directional Distribution	50%	50%	
Trip Ends	300	300	600

SATURDAY

Trip Rate: 1.99

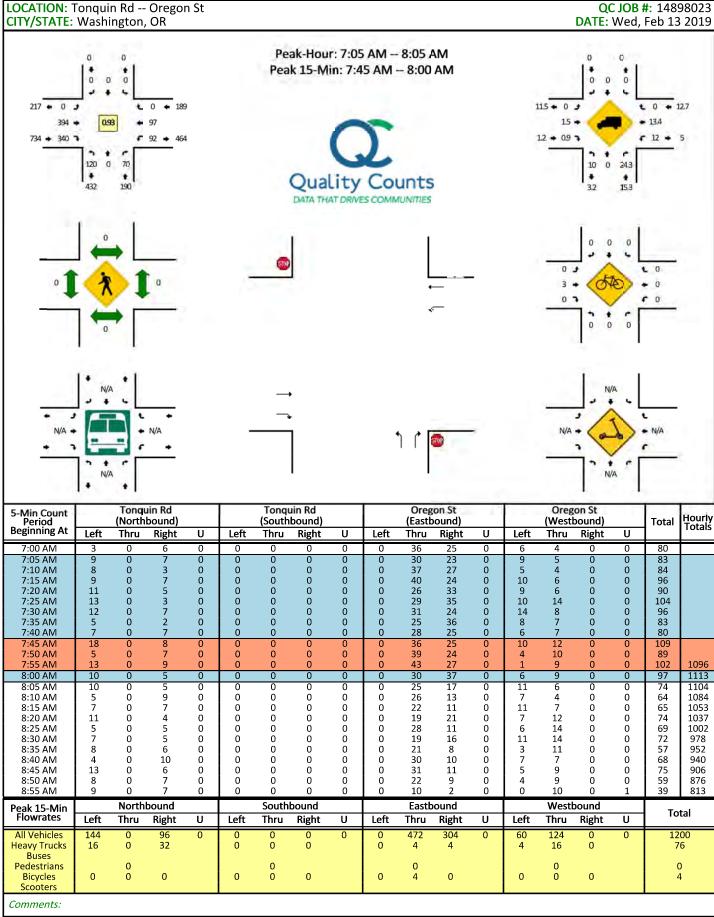
	Enter	Exit	Total
Directional Distribution	50%	50%	
Trip Ends	120	120	240

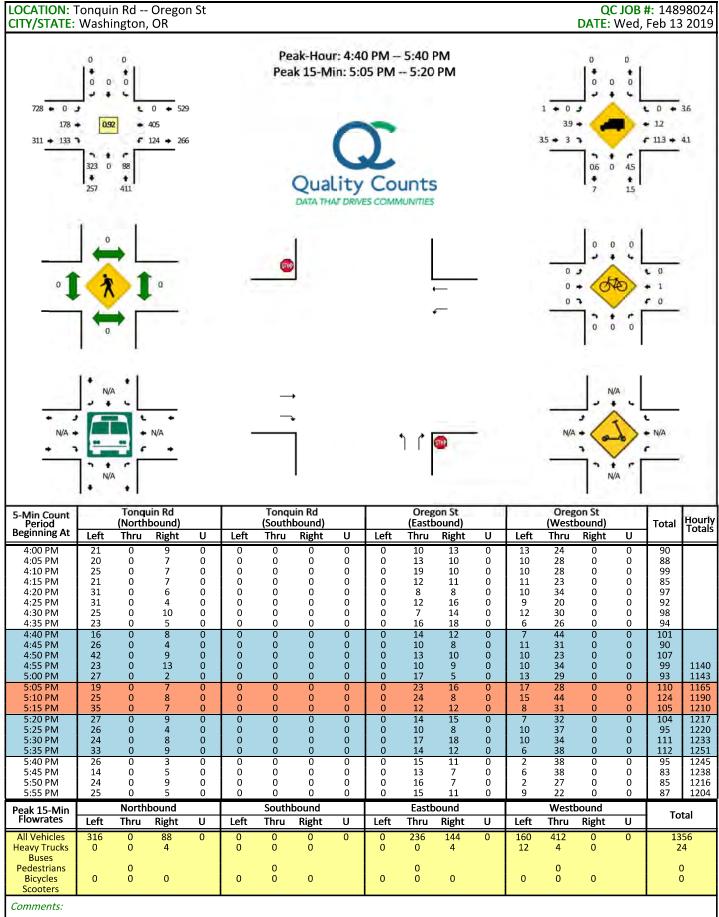
Source: TRIP GENERATION, Tenth Edition

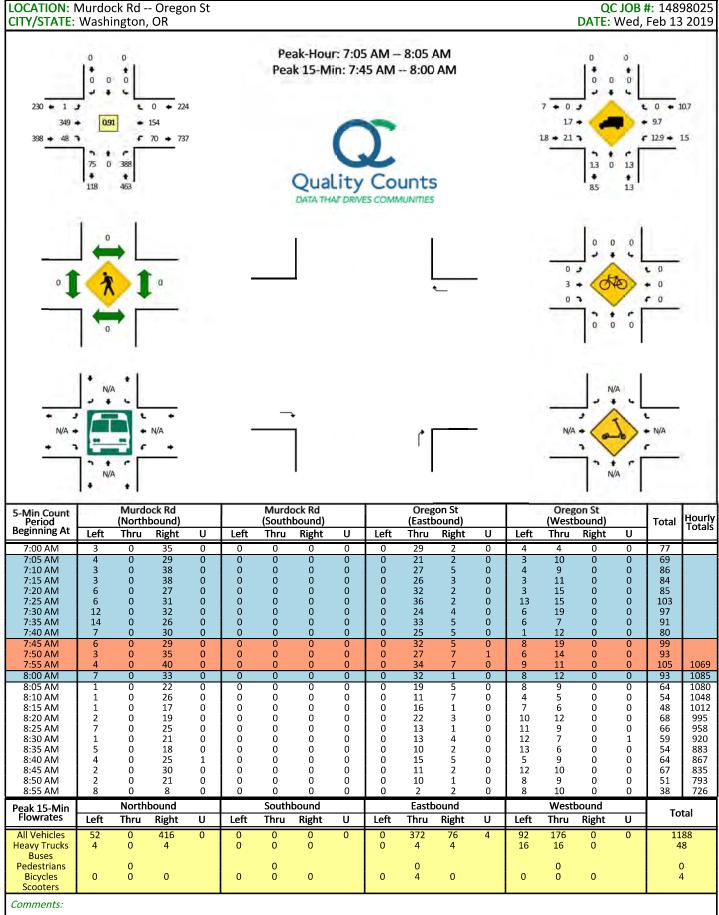
Appendix D Historical Traffic Counts

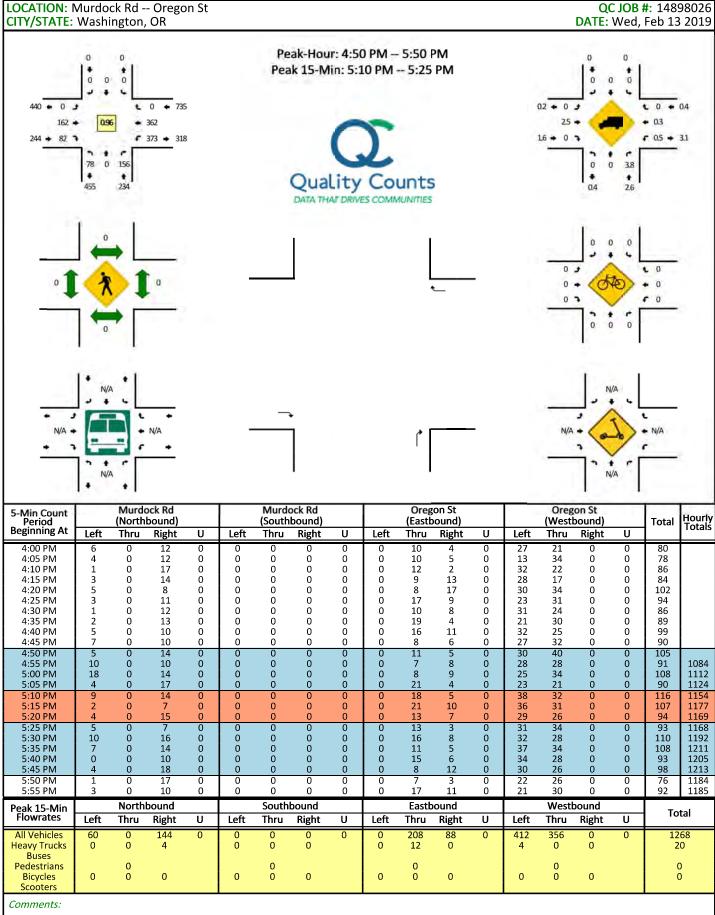


LOCATION: SW Murdock Rd/SW Baker Rd -- SW Sunset Blvd/McKinley Dr QC JOB #: 14548501 CITY/STATE: Sherwood, OR **DATE:** Wed, Oct 25 2017 Peak-Hour: 7:15 AM -- 8:15 AM 6.3 3.6 Peak 15-Min: 7:35 AM -- 7:50 AM 8,2 4.6 **L** 23 73 + 34 + 205 - 238 + t 0 + 42 143 + 0.91 € 20 **→** 26.7 38 + 4 > 447 • 202 3 5 + 15 124 133 7.3 4.5 66.7 Quality Counts DATA THAT DRIVES COMMUNITIES 0 3 0 7 N/A SW Murdock Rd/SW Baker Rd SW Murdock Rd/SW Baker Rd SW Sunset Blvd/McKinley Dr SW Sunset Blvd/McKinley Dr 5-Min Count Hourly Totals (Northbound) (Southbound) (Eastbound) (Westbound) Period Total Beginning At Left Thru Right Left Thru Right IJ Left Right IJ Left Right u Thru 7:05 AM 7:10 AM 7:15 AM 22 7:20 AM Ō ō ō ō ō 7:25 AM 7:30 AM 7:40 AM 7:50 AM O ŏ 71 25 7:55 AM 11 8:00 AM ō ō ō Õ Õ ŏ 8:05 AM Ō 8:10 AM 8:15 AM 7 9 5 3 Õ ō ŏ 8:20 AM 7 8:25 AM 5 Ō 8:30 AM ō ō ō ō ō 8:35 AM 7 8:40 AM ō ō ō Ō ō ō 8:45 AM 8:50 AM 8:55 AM Northbound Southbound Eastbound Westbound Peak 15-Min Flowrates **Total** Left U Left U Left U Left U Thru Right Thru Right Thru Right Thru Right All Vehicles Heavy Trucks Buses **Pedestrians** ō ō Bicycles Scooters Comments:









Appendix E ODOT Crash Data Reports



		AGY CRASH					LANE RDWY			CRASH_HR_									HWY_COMPN					
CRASH_I	_SHOR ID SER_NO C	T_DES D_INVL\			DRUG_IN MJ_INVL VLV FLG V FLG		WRK_ZO DPRT CRASH	UNLOCT FLG		CRASH_W SHORT_DES	CNTY_NM		URB_AREA_SHOR		HWY MED NM	RDWY_N	FC CD	HWY_CO MPNT CD	T_SHORT_DE	MLGE_TY F		I DC VAL	MP NO	ST NO
1691851	1 2711 CITY		0	/_FLG	0	NE_IND	0 0 N	FALSE	4/25/2016				PORTLAND UA	I-WI-NO	HWY_WED_NM		1-		JC	P_CD	INO I	LN3 VAL	MINO	1803
1691851	1 2711 CITY		0	0	0		0 0 N	FALSE	4/25/2016	6 2 10A	Washington	Sherwood	PORTLAND UA				1-							1803
1754728 1754728	1 2711 CITY 1 2711 CITY		0	0	0		0 0 N	FALSE	5/9/2017		Washington		PORTLAND UA				1-							1803 1803
1581026	1 3076 CITY		0	0	0		0 0 N	FALSE	6/2/2014		Washington		PORTLAND UA				10							1803
1581026	1 3076 CITY		0	0	0		0 0 N	FALSE	6/2/2014		Washington	Sherwood	PORTLAND UA				10							1803
1581026	1 3076 CITY		0	0	0		0 0 N	FALSE	6/2/2014		Washington	Sherwood	PORTLAND UA				10							1803
1607638 1607638	1 2200 NO RP		0	0	0		0 0 N 0 0 N	FALSE	4/25/2015		Washington Washington	Sherwood	PORTLAND UA PORTLAND UA				1-							1803 1803
1607638	1 2200 NO RP		0	0	0		0 0 N	FALSE	4/25/2015		Washington	Sherwood	PORTLAND UA				1-							1803
1672996	1 5457 CITY		0	1	0		0 0 N	FALSE	8/16/2016		Washington	Sherwood	PORTLAND UA				1-							1803
1672996 1672996	1 5457 CITY 1 5457 CITY		0	1	0		0 0 N 0 0 N	FALSE	8/16/2016 8/16/2016		Washington Washington	Sherwood	PORTLAND UA				1-						\perp	1803
1703674	1 8530 NO RP		0	0	0		0 0 N	FALSE	12/12/2016		Washington		PORTLAND UA				1-							1803
1703674	1 8530 NO RP		0	0	0		0 0 N	FALSE	12/12/2016		Washington		PORTLAND UA				1-							1803
1728663	1 1714 CITY		0	0	0		0 0 N	FALSE	3/26/2017		Washington		PORTLAND UA				1-							1803
1728663 1728663	1 1714 CITY 1 1714 CITY		0	0	0		0 0 N 0 0 N	FALSE	3/26/2017		Washington Washington		PORTLAND UA				1-							1803
1775496	1 16 CITY		0	0	0		0 0 N	FALSE	1/2/2018		Washington		PORTLAND UA				1-							1803
1775496	1 16 CITY		0	0	0		0 0 N	FALSE	1/2/2018	3 4P	Washington	Sherwood	PORTLAND UA				1-							1803
1823757	1 7005 NONE		0	0	0		0 0 N	FALSE	12/20/2018		Washington		PORTLAND UA				1-							1803
1823757 1631883	1 7005 NONE 1 979 CITY		0	1	0		0 0 N 0 0 N	FALSE	12/20/2018		Washington Washington		PORTLAND UA PORTLAND UA				10							1803
1631883	1 979 CITY		0	1	0		0 0 N	FALSE	2/22/2015		Washington	Sherwood	PORTLAND UA				1						1	1803
1638135	1 4231 CITY		0	0	0		0 0 N	FALSE	7/27/2015		Washington		PORTLAND UA				10							1803
1638135 1564629	1 4231 CITY		0	0	0		0 0 N 0 0 N	FALSE	7/27/2015		Washington	Sherwood	PORTLAND UA				10						\perp	1803
1564629	1 1514 CITY 1 1514 CITY		0	0	0		0 0 N	FALSE	3/16/2014		Washington Washington	Sherwood	PORTLAND UA				10							1803
1663251	1 2295 CITY		0	0	0		0 0 N	FALSE	4/7/2016	5 5 8A	Washington		PORTLAND UA				1-	4						1803
1663251	1 2295 CITY		0	0	0		0 0 N	FALSE	4/7/2016		Washington	Sherwood	PORTLAND UA				1-							1803
1683918 1683918	1 8136 CITY 1 8136 CITY		0	0	0		0 0 N 0 0 N	FALSE	11/28/2016		Washington Washington	Sherwood Sherwood	PORTLAND UA PORTLAND UA				1-							1803
1683918	1 8136 CITY		0	0	0		0 0 N	FALSE	11/28/2016		Washington		PORTLAND UA				1-							1803
1718173	1 1296 CITY		0	0	0		0 0 N	FALSE	3/7/2017		Washington	Sherwood	PORTLAND UA				1-							1803
1718173	1 1296 CITY		0	0	0		0 0 N	FALSE	3/7/2017		Washington		PORTLAND UA				1-							1803
1718173 1718173	1 1296 CITY 1 1296 CITY		0	0	0		0 0 N 0 0 N	FALSE	3/7/2017		Washington Washington	Sherwood Sherwood	PORTLAND UA				1-						+	1803
1718173	1 1296 CITY		0	0	0		0 0 N	FALSE	3/7/2017		Washington		PORTLAND UA				1-							1803
1731308	1 3293 CITY		0	0	0		0 0 N	FALSE	6/4/2017		Washington		PORTLAND UA				1-							1803
1731308 1731308	1 3293 CITY 1 3293 CITY		0	0	0		0 0 N 0 0 N	FALSE	6/4/2017		Washington Washington	Sherwood Sherwood	PORTLAND UA PORTLAND UA				1-							1803
1751500	1 992 NONE		0	0	0		0 0 N	FALSE	2/21/2017		Washington		PORTLAND UA				1							180
1751521	1 992 NONE		0	0	0		0 0 N	FALSE	2/21/2017		Washington		PORTLAND UA				1-							1803
1753303 1753303	1 2036 CITY 1 2036 CITY		0	0	0		0 0 N	FALSE	4/10/2017		Washington	Sherwood	PORTLAND UA PORTLAND UA				1-						\perp	180
1594407	1 7059 CITY		0	0	0		0 0 N 0 0 N	FALSE	11/22/2014		Washington Washington	Sherwood Sherwood	PORTLAND UA				10						_	180
1594407	1 7059 CITY		0	0	0		0 0 N	FALSE	11/22/2014	4 7 5P	Washington	Sherwood	PORTLAND UA				1	6						1803
1594407	1 7059 CITY		0	0	0		0 0 N	FALSE	11/22/2014		Washington	Sherwood	PORTLAND UA				10							1803
1594407 1594407	1 7059 CITY 1 7059 CITY		0	0	0		0 0 N 0 0 N	FALSE	11/22/2014		Washington Washington	Sherwood Sherwood	PORTLAND UA PORTLAND UA				10							1803
1594407	1 7059 CITY		0	0	0		0 0 N	FALSE	11/22/2014		Washington	Sherwood	PORTLAND UA				10							1803
1610852	1 3704 CITY		0	0	0		0 0 N	FALSE	7/3/2015		Washington	Sherwood	PORTLAND UA				1-							1803
1610852 1610852	1 3704 CITY 1 3704 CITY		0	0	0		0 0 N	FALSE	7/3/2015		Washington Washington	Sherwood	PORTLAND UA				1-						\vdash	1803
1610852	1 3704 CITY		0	0	0		0 0 N	FALSE	7/3/2015		Washington		PORTLAND UA				1-							1803
1626358	1 3372 CITY		0	0	0		0 0 N	FALSE	6/18/2015	5 5 7A	Washington	Sherwood	PORTLAND UA				1-	4						1803
1626358	1 3372 CITY		0	0	0		0 0 N	FALSE	6/18/2015		Washington	Sherwood	PORTLAND UA				1-							1803
1668823 1668823	1 3900 CITY 1 3900 CITY		0	0	0		0 0 N	FALSE	6/14/2016		Washington Washington		PORTLAND UA PORTLAND UA				1-							1803
1668823	1 3900 CITY		0	0	0		0 0 N	FALSE	6/14/2016		Washington	Sherwood	PORTLAND UA				1-							1803
1679890	1 8007 NONE		0	0	0		0 0 N	FALSE	11/22/2016	5 3 7P	Washington	Sherwood	PORTLAND UA				1-							1803
1679890 1681939	1 8007 NONE 1 767 CITY		0	0	0		0 0 N 0 0 N	FALSE	2/3/2016		Washington Washington		PORTLAND UA				1-						\vdash	1803
1681939	1 767 CITY		0	0	0		0 0 N	FALSE	2/3/2016		Washington	Sherwood	PORTLAND UA				1-							1803
1698906	1 7730 NO RPT		0	0	0		0 0 N	FALSE	11/10/2016		Washington	Sherwood	PORTLAND UA				1-	4						1803
1698906	1 7730 NO RP		0	0	0		0 0 N	FALSE	11/10/2016		Washington		PORTLAND UA				1-							1803
1733491	1 4558 CITY		0	0	U		0 0 N	FALSE	7/26/2017	7 4 4P	Washington	Sherwood	PORTLAND UA				1-	4						1803

1733491 1				0 0 1	FALSE	7/20/2045	al alan hu i u loi	1 PORTIAND UA 14 18
	1 4558 CITY	U	0 0	0 0 N		7/26/2017		
1733491 1	1 4558 CITY	0	0 0	0 0 N	FALSE	7/26/2017		
1733655 1	1 8403 CITY	0	0 0	0 0 N	FALSE	12/30/2017		
1733655 1	1 8403 CITY	0	0 0	0 0 N	FALSE	12/30/2017		
1735179 1	1 5608 CITY	0	이 이	0 0 N	FALSE	9/12/2017	7 3 7P Washington Sherwood	PORTLAND UA
1735179 1	1 5608 CITY	0	0 0	0 0 N	FALSE	9/12/2017	7 3 7P Washington Sherwood	1 PORTLAND UA 14 18
1735179 1	1 5608 CITY	0	0 0	0 0 N	FALSE	9/12/2017		PORTLAND UA 14 18
1735179 1	1 5608 CITY	0	0 0	0 0 N	FALSE	9/12/2017	7 3 7P Washington Sherwood	1 PORTLAND UA 14 18
1762825 1	1 6132 CITY	1	0 0	0 0 N	FALSE	10/3/2017		
1762825 1	1 6132 CITY	1	0 0	0 0 N	FALSE	10/3/2017		
		1	0 0					
1692309 1	1 3478 CITY	0	0 0	0 0 N	FALSE	5/27/2016		
1692309 1	1 3478 CITY	0	0 0	0 0 N	FALSE	5/27/2016		
1751172 1	1 714 NO RPT	0	0 0	0 0 N	FALSE	2/7/2017		
1751172 1	1 714 NO RPT	0	0 0	0 0 N	FALSE	2/7/2017	7 3 3P Washington Sherwood	
1751730 1	1 1044 NONE	0	0 0	0 0 N	FALSE	2/23/2017	7 5 10A Washington Sherwood	PORTLAND UA 14 18
1751730 1	1 1044 NONE	0	0 0	0 0 N	FALSE	2/23/2017	7 5 10A Washington Sherwood	1 PORTLAND UA 14 18
1761083 1	1 6584 NONE	0	0 0	0 0 N	FALSE	10/20/2017		1 PORTLAND UA 14 18
1761083 1	1 6584 NONE	0	0 0	0 0 N	FALSE	10/20/2017		
1761092 1	1 6915 NONE	0	0 0	0 0 N	FALSE	11/1/2017		
1761092 1	1 6915 NONE	0	0 0		FALSE			
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1672212 1	1 5116 CITY	0	0 0	0 0 Y	FALSE	8/3/2016		
1672212 1	1 5116 CITY	0	0 0	0 0 Y	FALSE	8/3/2016		
1820401 1	1 3938 NONE	0	0 0	0 0 N	FALSE	7/30/2018		
1820401 1	1 3938 NONE	0	0 0	0 0 N	FALSE	7/30/2018		
1617882 1	1 6916 CITY	0	0 0	0 0 N	FALSE	11/17/2015		
1617882 1	1 6916 CITY	0	0 0	0 0 N	FALSE	11/17/2015	3 8A Washington Sherwood	1 PORTLAND UA 14 231
1617882 1	1 6916 CITY	0	0 0	0 0 N	FALSE	11/17/2015		
1702319 1	1 8224 CITY	1	0 0	0 0 N	FALSE	12/1/2016		
1702319 1	1 8224 CITY	1	0 0	0 0 N	FALSE	12/1/2016		
1730798 1	1 2928 CITY	1	ŏ ŏ	0 0 N	FALSE	5/19/2017		
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1730798 1	1 2928 CITY	0	0 0	0 0 N		5/19/2017		
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1552607 1	1 339 CITY	0	0 0	0 0 N	FALSE	1/20/2014	2 12P Washington Sherwood	
1552607 1	1 339 CITY	0	0 0	0 0 N	FALSE	1/20/2014	1 2 12P Washington Sherwood	1 PORTLAND UA 16 230
1659319 1	1 887 CITY	0	0 0	0 0 N	FALSE	2/9/2016		1 PORTLAND UA 14 23
1659319 1	1 887 CITY	0	0 0	0 0 N	FALSE	2/9/2016		
1659319 1	1 887 CITY	0	0 0	0 0 N	FALSE	2/9/2016		
1659319 1	1 887 CITY	0	0 0	0 0 N	FALSE	2/9/2016		
1664999 1	1 2639 CITY	0	0 0		FALSE	4/21/2016		
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1664999 1	1 2639 CITY	0	0 0	0 0 N	FALSE	4/21/2016		
1764318 1	1 7424 CITY	0	0 0	0 0 N	FALSE	11/21/2017		
1764318 1	1 7424 CITY	0	0 0	0 0 N	FALSE	11/21/2017		
1605644 1	1 1230 CITY	0	0 0	0 0 N	FALSE	3/7/2015	7 5P Washington Sherwood	
1605644 1	1 1230 CITY	0	0 0	0 0 N	FALSE	3/7/2015	7 5P Washington Sherwood	1 PORTLAND UA 16 230
1606545 1	1 1678 NONE	0	0 0	0 0 N	FALSE	3/31/2015		
1606545 1	1 1678 NONE	0	0 0	0 0 N	FALSE	3/31/2015		
1612304 1	1 4305 CITY	0	0 0	0 0 N	FALSE	7/30/2015		
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1612304 1	1 4305 CTTY 1 736 NONE	0	0 0					
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1622406 1	1 736 NONE	0	0 0	0 0 N	FALSE	2/9/2015		
1632774 1	1 1605 NONE	0	0 0	0 0 N	FALSE	2/11/2015		
1632774 1	1 1605 NONE	0	0 0	0 0 N	FALSE	2/11/2015		
1652018 1	1 7041 CITY	0	0 0	0 0 N	FALSE	11/20/2015	6 5P Washington Sherwood	1 PORTLAND UA 14 231
1652018 1	1 7041 CITY	0	0 0	0 0 N	FALSE	11/20/2015		
1666451 1	1 2963 NONE	0	0 0	0 0 N	FALSE	5/6/2016		
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1802832 1	1 7218 CITY	0	0 0	0 0 N	FALSE	12/30/2018		
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1691851 1	1 2711 CITY	0	0 0	0 0 N	FALSE	4/25/2016		
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1754728 1	1 2711 CITY	0	0 0	0 0 N	FALSE	5/9/2017	7 3 1P Washington Sherwood	1 PORTLAND UA 14 18
1754728 1	1 2711 CITY	0	0 0	0 0 N	FALSE	5/9/2017	7 3 1P Washington Sherwood	1 PORTLAND UA 14 18
1581026 1	1 3076 CITY	0	0 0	0 0 N	FALSE	6/2/2014		
1581026 1	1 3076 CITY	0	0 0	0 0 N	FALSE	6/2/2014		
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1753-00	1	992 NONE	0	0	0	0	0 N	FALSE	2/21/2017	3 UNK	Washington Sherwood	PORTLAND UA	14	18
1994-07 1 7095 CITY 0 0 0 0 0 N FALSE 11/22/2014 7 SP Washington Sherwood PORTLAND UA 1 I6 1 1 1 1 1 1 1 1 1	1 2	2036 CITY	0	0	0	0	0 N	FALSE	4/10/2017	2 1P	Washington Sherwood	PORTLAND UA	14	180
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1751172 1 714 NO RPT	0 0	0	(0 N	FALSE	2/7/2017	3 3P	Washington Sherwood	PORTLAND UA		14	ı		1803
1751730 1 1044 NONE	0 0	0		0 N	FALSE	2/23/2017	5 10A	Washington Sherwood	PORTLAND UA		14	1		1803
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1761083 1 6584 NONE	0 0	0	-	0 N	FALSE	10/20/2017	6 2P	Washington Sherwood	PORTLAND UA		14	ı		1803
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		RD_CHA	R_	CMPSS_DIR	ISECT_TYP_	MEDN_TYP		TRAF_CNTL_DE				WTHR_COND	RD_SURF_	S LGT_COND	_	COLLIS_	TYP CRASH_SVI	RT CRASH_E CRASH_E
ST NM	ISECT_ST_ NO ISECT ST NM	RD_CHA SHORT_	DES CMPSS_ CMPSS_DIF			_SHORT_DE TURNG_L SC EG QTY LN		SECT_RE VICE_SHORT_D	OFF_RD F		DRVWY_ REL_FLG		HORT_DES	SHORT_DE	S CRASH_TYPE		_DE Y_SHORT_I	DE VNT_1_C VNT_2_C
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	JIK_CD _FROW_CD	E OC_CD	5 3-LEG	JC EG_QTY EN	QII L	0 TRF SIGNAL	0	,FLG		CLR	DRY	DAY	ANGL-OTH		PDO	, v
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	3	E	5 3-LEG	0		0 TRF SIGNAL	0	C		CLR	DRY	DAY	ANGL-OTH	TURN	PDO	
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	3	E	5 3-LEG	0		0 TRF SIGNAL	0	C		CLR	DRY	DAY	ANGL-OTH	TURN	PDO	53
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	3	E	5 3-LEG	0		0 TRF SIGNAL	0	C		CLR	DRY	DAY	ANGL-OTH	TURN	PDO	53
SW OREGON ST SW OREGON ST	2302 SW TUALATIN-SHERWOOD 2302 SW TUALATIN-SHERWOOD	1 INTER 1 INTER	3	E	6 3-LEG 6 3-LEG	0	_	0 TRF SIGNAL 0 TRF SIGNAL	0			CLR	DRY	DAY	S-1STOP S-1STOP	REAR	PDO PDO	13
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	3	F	6 3-LEG	0		0 TRF SIGNAL	0			CLR	DRY	DAY	S-1STOP	REAR	PDO	13
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	3	E	6 3-LEG	0		0 TRF SIGNAL	0	C		CLR	DRY	DAY	S-1STOP	REAR	INJ	13
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	3	E	6 3-LEG	0		0 TRF SIGNAL	0	C	(CLR	DRY	DAY	S-1STOP	REAR	INJ	13
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	3	E	6 3-LEG	0		0 TRF SIGNAL	0	C		CLR	DRY	DAY	S-1STOP	REAR	INJ	13
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	3	E	6 3-LEG	0		0 TRF SIGNAL	0	C		CLR	DRY	DUSK	O-STRGHT	HEAD	INJ	13
SW OREGON ST SW OREGON ST	2302 SW TUALATIN-SHERWOOD 2302 SW TUALATIN-SHERWOOD	1 INTER 1 INTER	3	E	6 3-LEG 6 3-LEG	0		0 TRF SIGNAL 0 TRF SIGNAL	0			CLR	DRY	DUSK	O-STRGHT O-STRGHT	HEAD	INJ	13
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	3	E	6 3-LEG	0		0 TRF SIGNAL	0			CLR	DRY	DAY	S-1STOP	REAR	PDO	13
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	3	E	6 3-LEG	0		0 TRF SIGNAL	0	0		CLR	DRY	DAY	S-1STOP	REAR	PDO	
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	3	E	6 3-LEG	0		0 TRF SIGNAL	0	C		RAIN	WET	DAY	S-1STOP	REAR	INJ	13
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	3	E	6 3-LEG	0		0 TRF SIGNAL	0	C	(RAIN	WET	DAY	S-1STOP	REAR	INJ	13
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	3	E	6 3-LEG	0		0 TRF SIGNAL	0	C		RAIN	WET	DAY	S-1STOP	REAR	INJ	13
SW OREGON ST	2302 SW TUALATIN SHERWOOD	1 INTER	3		6 3-LEG	0		0 TRF SIGNAL	0	0		CLR	DRY	DLIT	S-STRGHT	REAR	INJ	
SW OREGON ST SW OREGON ST	2302 SW TUALATIN-SHERWOOD 2302 SW TUALATIN-SHERWOOD	1 INTER 1 INTER	3		6 3-LEG 6 3-LEG	0		0 TRF SIGNAL 0 TRF SIGNAL	0	0		CLR	DRY	DLIT	S-STRGHT S-1STOP	REAR	PDO	
SW OREGON ST	2302 SW TUALATIN-SHERWOOD 2302 SW TUALATIN-SHERWOOD	1 INTER	3	F	6 3-LEG	0		0 TRF SIGNAL	0			CLR	DRY	DAY	S-1STOP S-1STOP	REAR	PDO	
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	5	S	6 3-LEG	0		0 TRF SIGNAL	0	C		CLR	DRY	DAY	S-1STOP	REAR	PDO	
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	5		6 3-LEG	0		0 TRF SIGNAL	0	C		CLR	DRY	DAY	S-1STOP	REAR	PDO	
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	5	S	6 3-LEG	0		0 TRF SIGNAL	0	C		CLR	DRY	DAY	S-1STOP	REAR	PDO	
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	5	S	6 3-LEG	0		0 TRF SIGNAL	0	C		CLR	DRY	DAY	S-1STOP	REAR	PDO	
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	7	W	6 3-LEG	0		0 TRF SIGNAL	0	C		CLR	DRY	DAY	S-1STOP	REAR	PDO	
SW OREGON ST SW OREGON ST	2302 SW TUALATIN-SHERWOOD 2302 SW TUALATIN-SHERWOOD	1 INTER 1 INTER	/	w	6 3-LEG 6 3-LEG	0		0 TRF SIGNAL 0 TRF SIGNAL	0			CLR	DRY	DAY	S-1STOP S-1STOP	REAR	PDO	
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	7	w	6 3-LEG	0		O TRF SIGNAL	0			CLR	DRY	DAY	S-1STOP	REAR	INI	
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	7		6 3-LEG	0		0 TRF SIGNAL	0	C		CLR	WET	DAY	S-1STOP	REAR	INJ	
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	7	w	6 3-LEG	0		0 TRF SIGNAL	0	C		CLR	WET	DAY	S-1STOP	REAR	INJ	
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	7		6 3-LEG	0		0 TRF SIGNAL	0	C		CLR	WET	DAY	S-1STOP	REAR	INJ	
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	7		6 3-LEG	0		0 TRF SIGNAL	0	C		RAIN	WET	DAY	S-1STOP	REAR	INJ	93
SW OREGON ST SW OREGON ST	2302 SW TUALATIN-SHERWOOD 2302 SW TUALATIN-SHERWOOD	1 INTER 1 INTER	7		6 3-LEG 6 3-LEG	0	_	0 TRF SIGNAL 0 TRF SIGNAL	0			RAIN	WET	DAY	S-1STOP S-1STOP	REAR	INJ	93
SW OREGON ST	2302 SW TUALATIN-SHERWOOD 2302 SW TUALATIN-SHERWOOD	1 INTER	7 7		6 3-LEG	0		0 TRF SIGNAL	0			RAIN	WET	DAY	S-1STOP	REAR	INJ	93
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	7		6 3-LEG			0 TRF SIGNAL	0	C		RAIN	WET	DAY	S-1STOP	REAR	INJ	93
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	7	w	6 3-LEG	0		0 TRF SIGNAL	0	C		CLR	DRY	DAY	S-STRGHT	REAR	INJ	
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	7	w	6 3-LEG	0		0 TRF SIGNAL	0	C		CLR	DRY	DAY	S-STRGHT	REAR	INJ	
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	7	W	6 3-LEG	0		0 TRF SIGNAL	0	С		CLR	DRY	DAY	S-STRGHT	REAR	INJ	
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	7	W	6 3-LEG	0		0 TRF SIGNAL	0	C		RAIN	WET	DAY	S-1STOP	REAR	PDO	
SW OREGON ST SW OREGON ST	2302 SW TUALATIN-SHERWOOD 2302 SW TUALATIN-SHERWOOD	1 INTER 1 INTER	7		6 3-LEG 6 3-LEG	0		0 TRF SIGNAL 0 TRF SIGNAL	0			RAIN	DRY	DAY	S-1STOP S-1STOP	REAR	PDO PDO	
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	7	W	6 3-LEG	0		0 TRF SIGNAL	0			CLD	DRY	DAY	S-1STOP	REAR	PDO	
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	9	CN	3 3-LEG			0 TRF SIGNAL	ő	- 0		CLD	DRY	DUSK	O-1 L-TURN	TURN	INJ	13
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	9	CN	3 3-LEG	0		0 TRF SIGNAL	0	C		CLD	DRY	DUSK	O-1 L-TURN	TURN	INJ	13
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	9	CN	3 3-LEG	0		0 TRF SIGNAL	0	C		CLD	DRY	DUSK	O-1 L-TURN		INJ	13
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	9	CN	3 3-LEG	0		0 TRF SIGNAL	0	C		CLD	DRY	DUSK	O-1 L-TURN		INJ	13
SW OREGON ST	2302 SW TUALATIN SHERWOOD	1 INTER	9	CN	3 3-LEG	0		0 TRF SIGNAL	0	0		CLD	DRY	DUSK	O-1 L-TURN	TURN	INJ	13
SW OREGON ST SW OREGON ST	2302 SW TUALATIN-SHERWOOD 2302 SW TUALATIN-SHERWOOD	1 INTER 1 INTER	9	CN CN	3 3-LEG 3 3-LEG	0		0 TRF SIGNAL 0 TRF SIGNAL	0			CLD	DRY	DUSK	O-1 L-TURN		INJ	13
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	9	CN	3 3-LEG	0		0 TRF SIGNAL	0	- 0		CLR	DRY	DLIT	O-1 L-TURN		INJ	
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	9		3 3-LEG	0		0 TRF SIGNAL	0	C		CLR	DRY	DLIT	O-1 L-TURN		INJ	
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	9	CN	3 3-LEG	0		0 TRF SIGNAL	0			CLR	DRY	DLIT	O-1 L-TURN		INJ	
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	9	CN	3 3-LEG	0		0 TRF SIGNAL	0	C		CLR	DRY	DAY	O-1 L-TURN		INJ	
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	9	CN	3 3-LEG	0		0 TRF SIGNAL	0	C		CLR	DRY	DAY	O-1 L-TURN		INJ	
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	9	CN	3 3-LEG	0		0 TRF SIGNAL	0	0		CLR	DRY	DAY	O-1 L-TURN		INJ	13 87 13 87
SW OREGON ST SW OREGON ST	2302 SW TUALATIN-SHERWOOD 2302 SW TUALATIN-SHERWOOD	1 INTER 1 INTER	9		3 3-LEG 3 3-LEG	0		0 TRF SIGNAL 0 TRF SIGNAL	0	- 0		CLR	DRY	DAY	O-1 L-TURN		INJ	13 87
SW OREGON ST	2302 SW TUALATIN-SHERWOOD 2302 SW TUALATIN-SHERWOOD	1 INTER	9	CN	3 3-LEG 3 3-LEG	0		0 TRF SIGNAL	0			RAIN	WET	DLIT	O-1 L-TURN		INJ	13 8/
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	9	CN	3 3-LEG			0 TRF SIGNAL	0	0		RAIN	WET	DLIT	O-1 L-TURN		INJ	
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	9	CN	3 3-LEG	0		0 TRF SIGNAL	0	C		CLD	WET	DAY	O-1 L-TURN		INJ	
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	9	CN	3 3-LEG	0		0 TRF SIGNAL	0	0		CLD	WET	DAY	O-1 L-TURN	TURN	INJ	
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	9	CN	3 3-LEG	0		0 TRF SIGNAL	0	C		CLR	DRY	DAY	O-1 L-TURN	_	PDO	
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	9	CN	3 3-LEG	0		0 TRF SIGNAL	0	C		CLR	DRY	DAY	O-1 L-TURN		PDO	
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	9	CN	3 3-LEG	0		0 TRF SIGNAL	0	C		CLR	DRY	DAY	O-1 L-TURN	TURN	INJ	55

											1	Tarana Tara		
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	9 CN	3 3-LEG		0	0 TRF SIGNAL	0 0	0 CLR	DRY	DAY	O-1 L-TURN TURN	INJ	55
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	9 CN	3 3-LEG		0	O THE STORE	0 0	0 CLR	DRY	DAY	O-1 L-TURN TURN	INJ	55
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	9 CN	3 3-LEG		0	0 TRF SIGNAL	0 0	0 CLD	DRY	DLIT	O-1 L-TURN TURN	INJ	87
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	9 CN	3 3-LEG		0	0 TRF SIGNAL	0 0	0 CLD	DRY	DLIT	O-1 L-TURN TURN	INJ	87
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	9 CN	3 3-LEG		0		0 0	0 CLR	DRY	DUSK	O-1 L-TURN TURN	INJ	
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	9 CN	3 3-LEG		0		0 0	0 CLR	DRY	DUSK	O-1 L-TURN TURN	INJ	
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	9 CN	3 3-LEG		0		0 0	O CLR	DRY	DUSK	O-1 L-TURN TURN	INJ	
						U		-						
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	9 CN	3 3-LEG		0	O THE STOTE IN	0 0	0 CLR	DRY	DUSK	O-1 L-TURN TURN	INJ	
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	9 CN	3 3-LEG		0	0 TRF SIGNAL	0 0	0 CLR	DRY	DAY	O-1 L-TURN TURN	PDO	
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	9 CN	3 3-LEG		0	0 TRF SIGNAL	0 0	0 CLR	DRY	DAY	O-1 L-TURN TURN	PDO	
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	9 CN	4 3-LEG		0	0 TRF SIGNAL	0 0	0 CLD	WET	DAY	ANGL-OTH TURN	PDO	
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	9 CN	4 3-LEG		0	0 TRF SIGNAL	0 0	0 CLD	WET	DAY	ANGL-OTH TURN	PDO	
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	9 CN	4 3-LEG		0		0 0	O RAIN	WET	DAY	ANGL-OTH TURN	PDO	
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	9 CN	4 3-LEG		0		0 0	0 RAIN	WET	DAY		PDO	
						0		0 0						
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	9 CN	4 3-LEG		U	0 TRF SIGNAL	0 0	0 CLR	DRY	DAY	S-OTHER TURN	PDO	
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	9 CN	4 3-LEG		0	0 TRF SIGNAL	0 0	0 CLR	DRY	DAY	S-OTHER TURN	PDO	
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	9 CN	4 3-LEG		0	O THE STORE	0 0	0 CLR	DRY	DAY	ANGL-OTH TURN	PDO	
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	9 CN	4 3-LEG		0	0 TRF SIGNAL	0 0	0 CLR	DRY	DAY	ANGL-OTH TURN	PDO	
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	9 CN	4 3-LEG		0	0 TRF SIGNAL	0 0	0 CLR	DRY	DUSK	ANGL-OTH TURN	PDO	
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	9 CN	4 3-LEG		0		0 0	0 CLR	DRY	DUSK	ANGL-OTH TURN	PDO	
SW TUALATIN-SHERWOOD	1803 SW OREGON ST	3 STRGHT	2 6	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	NONE	2	OUNKNOWN	1 0	O CLR	DRY	DAY	PRKD MV REAR	INJ	69
			3 E	3		2		1 0						69
SW TUALATIN-SHERWOOD	1803 SW OREGON ST	3 STRGHT	3 E	5	NONE	2	0 UNKNOWN	1 9	0 CLR	DRY	DAY	PRKD MV REAR	INJ	69
SW TUALATIN-SHERWOOD	1803 SW OREGON ST	3 STRGHT	3 E	5	NONE	2	o o mano min	0 0	0 CLR	DRY	DAY	S-STRGHT REAR	PDO	
SW TUALATIN-SHERWOOD	1803 SW OREGON ST	3 STRGHT	3 E	5	NONE	2	0 011111111111	0 0	0 CLR	DRY	DAY	S-STRGHT REAR	PDO	
SW TUALATIN-SHERWOOD	1803 SW OREGON ST	3 STRGHT	3 E	7	NONE	2	0 UNKNOWN	0 0	0 RAIN	WET	DAWN	S-1STOP REAR	INJ	
SW TUALATIN-SHERWOOD	1803 SW OREGON ST	3 STRGHT	3 F	7	NONE	2	0 UNKNOWN	0 0	0 RAIN	WET	DAWN	S-1STOP REAR	INJ	
SW TUALATIN-SHERWOOD	1803 SW OREGON ST	3 STRGHT	3 F	7	NONE	2		0 0	0 RAIN	WET	DAWN	S-1STOP REAR	INJ	
SW TUALATIN-SHERWOOD	1803 SW OREGON ST	3 STRGHT	3 6	7	NONE	2		0 0	0 CLD	DRY	DLIT	S-STRGHT REAR	PDO	
			3 E	/		2		-						
SW TUALATIN-SHERWOOD	1803 SW OREGON ST	3 STRGHT	3 E	- 1 - 1	NONE	2		0 0	0 CLD	DRY	DLIT	S-STRGHT REAR	PDO	
SW TUALATIN-SHERWOOD	1803 SW OREGON ST	3 STRGHT	3 E	7	NONE	2	Oliminotri	0 0	0 CLR	DRY	DAY	S-1STOP REAR	INJ	13
SW TUALATIN-SHERWOOD	1803 SW OREGON ST	3 STRGHT	3 E	7	NONE	2	0 UNKNOWN	0 0	0 CLR	DRY	DAY	S-1STOP REAR	INJ	13
SW TUALATIN-SHERWOOD	1803 SW OREGON ST	3 STRGHT	3 E	7	NONE	2	0 UNKNOWN	0 0	0 CLR	DRY	DAY	S-1STOP REAR	INJ	13
SW TUALATIN-SHERWOOD	1803 SW OREGON ST	3 STRGHT	3 E	7	NONE	2	0 UNKNOWN	0 0	0 CLR	DRY	DAY	S-1STOP REAR	INJ	13
SW TUALATIN-SHERWOOD	1803 SW OREGON ST	3 STRGHT	3 F	7	NONE	2		0 0	0 CLR	DRY	DAY	S-1STOP REAR	INJ	13
SW TUALATIN-SHERWOOD	1803 SW OREGON ST	3 STRGHT	2 6	- 6	NONE	2	1 UNKNOWN	0 0	0 CLR	DRY	DAY	S-STRGHT REAR	INJ	13
SW TUALATIN-SHERWOOD	1803 SW OREGON ST	3 STRGHT	3 5	0	NONE	2	1 UNKNOWN		O CLR	DRY	DAY	S-STRGHT REAR	INJ	
			3 E	8		2		9 9						
SW TUALATIN-SHERWOOD	1803 SW OREGON ST	3 STRGHT	3 E	8	NONE	2		0 0	0 CLR	DRY	DAY	S-1STOP REAR	INJ	13
SW TUALATIN-SHERWOOD	1803 SW OREGON ST	3 STRGHT	3 E	8	NONE	2	O OTHER DATE	0 0	0 CLR	DRY	DAY	S-1STOP REAR	INJ	13
SW TUALATIN-SHERWOOD	1803 SW OREGON ST	3 STRGHT	3 E	8	NONE	2	0 UNKNOWN	0 0	0 CLR	DRY	DAY	S-1STOP REAR	INJ	13
SW TUALATIN-SHERWOOD	1803 SW OREGON ST	3 STRGHT	3 E	8	NONE	2	0 UNKNOWN	0 0	0 CLR	DRY	DAY	S-1STOP REAR	INJ	13
SW TUALATIN-SHERWOOD	1803 SW OREGON ST	3 STRGHT	3 E	8	NONE	2	1 UNKNOWN	0 0	0 CLR	DRY	DAWN	S-STRGHT REAR	INJ	
SW TUALATIN-SHERWOOD	1803 SW OREGON ST	3 STRGHT	3 F	8	NONE	2		0 0	0 CLR	DRY	DAWN	S-STRGHT REAR	INJ	
SW TUALATIN-SHERWOOD	1803 SW OREGON ST	3 STRGHT	2 6	9	NONE	2			O RAIN	WET	DAY	S-1STOP REAR	PDO	
			3 6	8				0 0	0 RAIN					
SW TUALATIN-SHERWOOD	1803 SW OREGON ST	3 STRGHT	3 E	8	NONE			9 9		WET	DAY	S-1STOP REAR	PDO	
SW TUALATIN-SHERWOOD	1803 SW OREGON ST	3 STRGHT	7 W	8	NONE	2	o o i i i i i i i i i i i i i i i i i i	0 0	0 CLR	DRY	DAY	S-1STOP REAR	INJ	
SW TUALATIN-SHERWOOD	1803 SW OREGON ST	3 STRGHT	7 W	8	NONE	2	0 UNKNOWN	0 0	0 CLR	DRY	DAY	S-1STOP REAR	INJ	
SW TUALATIN-SHERWOOD	1803 SW OREGON ST	3 STRGHT	7 W	8	NONE	2	0 UNKNOWN	0 0	0 CLD	WET	DAY	S-STRGHT REAR	INJ	
SW TUALATIN-SHERWOOD	1803 SW OREGON ST	3 STRGHT	7 W	8	NONE	2	0 UNKNOWN	0 0	0 CLD	WET	DAY	S-STRGHT REAR	INJ	
SW TUALATIN-SHERWOOD	1803 SW OREGON ST	3 STRGHT	7 W	8	NONE	3		0 0	0 CLR	DRY	DAY	S-STRGHT REAR	INJ	
SW TUALATIN-SHERWOOD	1803 SW OREGON ST	3 STRGHT	7 W	8	NONE	3	OUNKNOWN	nl nl	0 CLR	DRY	DAY	S-STRGHT REAR	INJ	
SW TUALATIN-SHERWOOD	1803 SW OREGON ST	3 STRGHT	7 W		NONE	3		0 0	O RAIN	WET	DAVN	S-1STOP REAR	INJ	
						4		• •						
SW TUALATIN-SHERWOOD	1803 SW OREGON ST	3 STRGHT	7 W	8	NONE	4		0 0	0 RAIN	WET	DAWN	S-1STOP REAR	INJ	
SW TUALATIN-SHERWOOD	1803 SW OREGON ST	3 STRGHT	7 W	8	NONE	3		0 0	0 CLR	DRY	DAY	S-STRGHT SS-O	PDO	
SW TUALATIN-SHERWOOD	1803 SW OREGON ST	3 STRGHT	7 W	8	NONE	3	0 UNKNOWN	0 0	0 CLR	DRY	DAY	S-STRGHT SS-O	PDO	
SW TUALATIN-SHERWOOD	1803 SW OREGON ST	3 STRGHT	7 W	8	NONE	2	1 UNKNOWN	0 0	0 CLD	DRY	DLIT	S-1STOP REAR	PDO	
SW TUALATIN-SHERWOOD	1803 SW OREGON ST	3 STRGHT	7 W	8	NONE	2	1 UNKNOWN	0 0	0 CLD	DRY	DLIT	S-1STOP REAR	PDO	
SW TUALATIN-SHERWOOD	1803 SW OREGON ST	3 STRGHT	7 W	Q Q	RSDMD	2		0 0	O CLR	DRY	DAY	S-STRGHT REAR	INI	
SW TUALATIN-SHERWOOD	1803 SW OREGON ST	3 STRGHT	7 W	0	RSDMD	2		0 0	O CLR	DRY	DAY	S-STRGHT REAR	INJ	
				8		2		9 9						
SW TUALATIN-SHERWOOD	1803 SW OREGON ST	3 STRGHT	7 W	8	RSDMD	2	2 011111101111	0 0	0 CLR	DRY	DAY	S-1STOP REAR	INJ	
SW TUALATIN-SHERWOOD	1803 SW OREGON ST	3 STRGHT	7 W	8	RSDMD	2	2 011111101111	0 0	0 CLR	DRY	DAY	S-1STOP REAR	INJ	
SW TUALATIN-SHERWOOD	1803 SW OREGON ST	3 STRGHT	7 W	8	RSDMD	2		0 0	0 CLR	DRY	DAY	S-1STOP REAR	INJ	
SW TUALATIN-SHERWOOD	1803 SW OREGON ST	3 STRGHT	7 W	8	RSDMD	2	1 UNKNOWN	0 0	0 CLR	DRY	DAY	S-1STOP REAR	INJ	
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	3 E	5 3-LEG		0	0 TRF SIGNAL	0 0	0 CLR	DRY	DAY	ANGL-OTH TURN	PDO	
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	3 F	5 3-LEG		0		0 0	0 CLR	DRY	DAY	ANGL-OTH TURN	PDO	
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	3 c	5 3-LEG		0	0 TRF SIGNAL		O CLR	DRY	DAY	ANGL-OTH TURN	PDO	53
SW OREGON ST			3 5			0								53
	2302 SW TUALATIN-SHERWOOD	1 INTER	3 E	5 3-LEG		U	0 TRF SIGNAL	0	0 CLR	DRY	DAY	ANGL-OTH TURN	PDO	
	2302 SW TUALATIN-SHERWOOD	1 INTER	31 IF	6 3-LEG	1	1 0	0 TRF SIGNAL	0 0	0 CLR	DRY	DAY	S-1STOP REAR	PDO	13
SW OREGON ST			-											
	2302 SW TUALATIN-SHERWOOD	1 INTER	3 E	6 3-LEG		0	0 TRF SIGNAL	0 0	0 CLR	DRY	DAY	S-1STOP REAR	PDO	13
SW OREGON ST			3 E	6 3-LEG 6 3-LEG		0		0 0	0 CLR 0 CLR	DRY	DAY	S-1STOP REAR S-1STOP REAR	PDO PDO	13

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SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	3 E	6 3-LEG	0	0 TRF SIGNAL 0	0 0 CLR	DRY	DAY		INJ 13
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	3 E	6 3-LEG	0	O THE STORE O	O OEIT	DRY	DAY		110
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	3 E	6 3-LEG		0 TRF SIGNAL 0	o o o o	DRY	DUSK		INJ 13
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	3 E	6 3-LEG	0	0 TRF SIGNAL 0	0 00.	DRY	DUSK		INJ 13
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	3 E	6 3-LEG	0	0 TRF SIGNAL 0		DRY	DUSK	O-STRGHT HEAD	INJ 13
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	3 E	6 3-LEG	0	0 TRF SIGNAL 0		DRY	DAY	S-1STOP REAR	PDO
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	3 E	6 3-LEG	0	0 TRF SIGNAL 0		DRY	DAY	S-1STOP REAR	PDO
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	3 E	6 3-LEG	0	0 TRF SIGNAL 0	0 0 RAIN	WET	DAY	S-1STOP REAR	INJ 13
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	3 E	6 3-LEG	0	0 TRF SIGNAL 0	0 0 RAIN	WET	DAY	S-1STOP REAR	INJ 13
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	3 E	6 3-LEG	o	0 TRF SIGNAL 0	0 0 RAIN	WET	DAY	S-1STOP REAR	INJ 13
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	3 F	6 3-LEG	0	0 TRF SIGNAL 0	0 0 CLR	DRY	DLIT	S-STRGHT REAR	INJ
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	3 F	6 3-LEG	0	0 TRF SIGNAL 0		DRY	DLIT		INJ
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	3 6	6 3-LEG	0	0 TRF SIGNAL 0		DRY	DAY		PDO
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	3 5	6 3-LEG	0	0 TRF SIGNAL 0		DRY	DAY		PDO
			5 6		0		0 0 CLR				
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	5 5	6 3-LEG	0	0 TRF SIGNAL 0		DRY	DAY	S-1STOP REAR	PDO
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	5 5	6 3-LEG	0	0 TRF SIGNAL 0	0 0 CLR	DRY	DAY	S-1STOP REAR	PDO
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	5 S	6 3-LEG	0	0 TRF SIGNAL 0	0 0 0 0 0 0	DRY	DAY	S-1STOP REAR	PDO
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	5 S	6 3-LEG	0	0 TRF SIGNAL 0	0 0 CLR	DRY	DAY	S-1STOP REAR	PDO
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	7 W	6 3-LEG	0	0 TRF SIGNAL 0	0 0 CLR	DRY	DAY	S-1STOP REAR	PDO
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	7 W	6 3-LEG	0	0 TRF SIGNAL 0	0 0 CLR	DRY	DAY	S-1STOP REAR	PDO
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	7 W	6 3-LEG	0	0 TRF SIGNAL 0	0 0 CLR	DRY	DAY	S-1STOP REAR	INJ
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	7 W	6 3-LEG	0	0 TRF SIGNAL 0		DRY	DAY		INJ
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	7 W	6 3-LEG	0	0 TRF SIGNAL 0	0 00.0	WET	DAY		INI
SW OREGON ST	2302 SW TUALATIN-SHERWOOD 2302 SW TUALATIN-SHERWOOD	1 INTER	7 W	6 3-LEG	0	0 TRF SIGNAL 0		WET	DAY		INJ
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	7 W	6 3-LEG	0	0 TRF SIGNAL 0	0 00	WET	DAY		INJ
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	7 W	6 3-LEG	0	0 TRF SIGNAL 0	0 0 RAIN	WET	DAY	S-1STOP REAR	INJ 93
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	7 W	6 3-LEG	0	0 TRF SIGNAL 0		WET	DAY	S-1STOP REAR	INJ 93
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	7 W	6 3-LEG	0	0 TRF SIGNAL 0	0 1000	WET	DAY	S-1STOP REAR	INJ 93
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	7 W	6 3-LEG	0	0 TRF SIGNAL 0	0 0 RAIN	WET	DAY	S-1STOP REAR	INJ 93
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	7 W	6 3-LEG	0	0 TRF SIGNAL 0	0 0 RAIN	WET	DAY	S-1STOP REAR	INJ 93
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	7 W	6 3-LEG	o	0 TRF SIGNAL 0	0 OCLR	DRY	DAY	S-STRGHT REAR	INJ
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	7 W	6 3-LEG	0	0 TRF SIGNAL 0		DRY	DAY		INJ
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	7 W	6 3-LEG	0	0 TRF SIGNAL 0		DRY	DAY		INI
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	7 W	6 3-LEG	0	0 TRF SIGNAL 0		WET	DAY		PDO
			7 W		- 0						
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER		6 3-LEG		0 TRF SIGNAL 0	0 0 RAIN	WET	DAY	S-1STOP REAR	PDO
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	7 W	6 3-LEG	0	0 TRF SIGNAL 0	0 0 CLD	DRY	DAY	S-1STOP REAR	PDO
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	7 W	6 3-LEG	0	0 TRF SIGNAL 0	0 0 000	DRY	DAY	S-1STOP REAR	PDO PDO
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	9 CN	3 3-LEG	0	0 TRF SIGNAL 0	0 0 CLD	DRY	DUSK	O-1 L-TURN TURN	INJ 13
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	9 CN	3 3-LEG	0	0 TRF SIGNAL 0	0 0 CLD	DRY	DUSK	O-1 L-TURN TURN	INJ 13
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	9 CN	3 3-LEG	0	0 TRF SIGNAL 0	0 0 CLD	DRY	DUSK	O-1 L-TURN TURN	INJ 13
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	9 CN	3 3-LEG	0	0 TRF SIGNAL 0	0 0 CLD	DRY	DUSK	O-1 L-TURN TURN	INJ 13
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	9 CN	3 3-LEG	0	0 TRF SIGNAL 0	0 OCLD	DRY	DUSK	O-1 L-TURN TURN	INJ 13
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	9 CN	3 3-LEG	0	0 TRF SIGNAL 0		DRY	DUSK		INJ 13
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	9 CN	3 3-LEG	0	0 TRF SIGNAL 0		DRY	DLIT		INJ
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	9 CN	3 3-LEG		0 TRF SIGNAL 0		DRY	DLIT	O-1 L-TURN TURN	INJ
					- 0						
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	9 CN	3 3-LEG	0	0 TRF SIGNAL 0	0 0 CLR	DRY	DLIT	O-1 L-TURN TURN	INJ
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	9 CN	3 3-LEG	0	0 TRF SIGNAL 0		DRY	DLIT		INJ
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	9 CN	3 3-LEG	0	0 TRF SIGNAL 0	0 0 CLR	DRY	DAY	O-1 L-TURN TURN	INJ
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	9 CN	3 3-LEG	0	0 TRF SIGNAL 0	0 0 CLR	DRY	DAY	O-1 L-TURN TURN	INJ
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	9 CN	3 3-LEG	0	0 TRF SIGNAL 0	0 0 CLR	DRY	DAY	O-1 L-TURN TURN	INJ 13 87
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	9 CN	3 3-LEG	0	0 TRF SIGNAL 0	0 0 CLR	DRY	DAY	O-1 L-TURN TURN	INJ 13 87
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	9 CN	3 3-LEG	0	0 TRF SIGNAL 0	0 0 CLR	DRY	DAY	O-1 L-TURN TURN	INJ 13 87
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	9 CN	3 3-LEG	0	0 TRF SIGNAL 0		WET	DLIT		INJ
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	9 CN	3 3-LEG		0 TRF SIGNAL 0		WET	DLIT		INJ
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	9 CN	3 3-LEG		0 TRF SIGNAL 0	0 0 CLD	WET	DAY		INJ
					0						
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	9 CN	3 3-LEG	- 0	0 TRF SIGNAL 0	0 0 CLD	WET	DAY	O-1 L-TURN TURN	INJ
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	9 CN	3 3-LEG	0	0 TRF SIGNAL 0	0 OCEN	DRY	DAY	O-1 L-TURN TURN	PDO
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	9 CN	3 3-LEG	0	0 TRF SIGNAL 0	0 0 CLR	DRY	DAY	O-1 L-TURN TURN	PDO
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	9 CN	3 3-LEG	0	0 TRF SIGNAL 0		DRY	DAY		INJ 55
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	9 CN	3 3-LEG	0	0 TRF SIGNAL 0	0 0 CLR	DRY	DAY	O-1 L-TURN TURN	INJ 55
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	9 CN	3 3-LEG	0	0 TRF SIGNAL 0	0 0 CLR	DRY	DAY	O-1 L-TURN TURN	INJ 55
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	9 CN	3 3-LEG	0	0 TRF SIGNAL 0		DRY	DLIT		INJ 87
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	9 CN	3 3-LEG	0	0 TRF SIGNAL 0		DRY	DLIT		INJ 87
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	9 CN	3 3-LEG	0	0 TRF SIGNAL 0		DRY	DUSK		INJ
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	9 CN	3 3-LEG		0 TRF SIGNAL 0	0 0 CLR	DRY	DUSK	O-1 L-TURN TURN	INJ
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	9 CN	3 3-LEG	0	0 TRF SIGNAL 0	0 0 CLR	DRY	DUSK	O-1 L-TURN TURN	INJ
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	9 CN	3 3-LEG	0	0 TRF SIGNAL 0	0 0 0000	DRY	DUSK	O-1 L-TURN TURN	INJ
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1 INTER	9 CN	3 3-LEG	0	0 TRF SIGNAL 0		DRY	DAY	O-1 L-TURN TURN	PDO
	2302 SW TUALATIN-SHERWOOD	1 INTER	9 CN	3 3-LEG	0	0 TRF SIGNAL 0	0 0 CLR	DRY	DAY	O-1 L-TURN TURN	PDO
SW OREGON ST	2002 011 10112 11111 01121111	2 1141 211									

SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1	INTER	9	CN	4 3-LEG	0	0 TRF SIGNAL	0	0	0 CLD	WET	DAY	ANGL-OTH TU	JRN	PDO	\Box	
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1	INTER	9	CN	4 3-LEG	0	0 TRF SIGNAL	0	0	0 RAIN	WET	DAY	ANGL-OTH TU	JRN	PDO		
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1	INTER	9	CN	4 3-LEG	0	0 TRF SIGNAL	0	0	0 RAIN	WET	DAY	ANGL-OTH TO	JRN	PDO		
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1	INTER	9	CN	4 3-LEG	0	0 TRF SIGNAL	0	0	0 CLR	DRY	DAY	S-OTHER TU	JRN	PDO		
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1	INTER	9	CN	4 3-LEG	0	0 TRF SIGNAL	0	0	0 CLR	DRY	DAY	S-OTHER TU	JRN	PDO		
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1	INTER	9	CN	4 3-LEG	0	0 TRF SIGNAL	0	0	0 CLR	DRY	DAY	ANGL-OTH TO	JRN	PDO		
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1	INTER	9	CN	4 3-LEG	0	0 TRF SIGNAL	0	0	0 CLR	DRY	DAY	ANGL-OTH TU	JRN	PDO		
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1	INTER	9	CN	4 3-LEG	0	0 TRF SIGNAL	0	0	0 CLR	DRY	DUSK	ANGL-OTH TU	JRN	PDO		
SW OREGON ST	2302 SW TUALATIN-SHERWOOD	1	INTER	9	CN	4 3-LEG	0	0 TRF SIGNAL	0	0	0 CLR	DRY	DUSK	ANGL-OTH TU	JRN	PDO		

CRASH_E				LAT								VHCL_COD	VHCL_USE			VHCL_CMPSS_DI						
VNT_3_C	CRASH_CA CRASH_CA			MINUTE				LONGTD				STRIKG_V ED_SEQ_N VHCL_TYP_SH										
D	USE_1_CD_USE_2_CD	USE_3_CD	NO 45		LAT SEC NO	LAT 45.36828611		MINUTE NO		ONG V		HCL_FLG O ORT_DESC 1 SEMITOW	NONE	Y ESC 9 N/A	STRGHT	_DESC	DESC	TN_CD NT_1_CI	NT_2_CD	NT_3_CD	USE_1_CD	JSE_2_CD_USE_E
	2		45			45.36828611					3194121	0 2 PSNGR CAR	NONE	9 N/A	TURN-R	S	E	0			0	
	4		45			45.36828611					3309539	1 1 PSNGR CAR	NONE	9 N/A	STRGHT	w	E	0			0	
	4		45			45.36828611			30.73		3309540	0 2 PSNGR CAR	NONE	9 N/A	TURN-R	S	E	0			0	
	32		45			45.36828611					2985995	1 1 PSNGR CAR	NONE	0 PRVTE	STRGHT	-	W	11 1			0	
	32 32		45 45			45.36828611 45.36828611	1 -122 1 -122		00170		2985996 2985997	0 2 PSNGR CAR 0 3 PSNGR CAR	NONE	0 PRVTE 0 PRVTE	STOP		w	11 12	.3		0	
	7		45			45.36828611	-122	48			3035988	1 1 PSNGR CAR	NONE	0 PRVTE	STRGHT		w	0			0	
	7		45			45.36828611	-122				3035989	0 2 PSNGR CAR	NONE	0 PRVTE	STOP	E	w	11 1	.3		0	
	7		45			45.36828611	-122				3035990	0 3 PSNGR CAR	NONE	0 PRVTE	STOP	E	w	22			0	
	4		45 45			45.36828611 45.36828611	1 -122 1 -122				3158458 3158459	1 1 PSNGR CAR 0 2 PSNGR CAR	NONE	0 PRVTE 0 PRVTE	STRGHT	W	E W	11 1	1		0	
	4		45		5.83		-122				3158460	0 3 PSNGR CAR	NONE	0 PRVTE	STOP	F	w	22	.5		0	
	29		45		5.83			48			3215244		NONE	9 N/A	STRGHT	E	w	0			0	
	29		45	22		45.36828611	-122			-122.8163194	3215245	0 2 PSNGR CAR	NONE	9 N/A	STOP	E	w	11			0	
	7		45			45.36828611					3261121	1 1 PSNGR CAR	NONE	0 PRVTE	STRGHT	E	w	0			0	
	7		45			45.36828611					3261122	0 2 PSNGR CAR	NONE	0 PRVTE	STOP	E	W		.3		0	
	29		45 45			45.36828611 45.36828611	1 -122 1 -122				3261123 3346324	0 3 PSNGR CAR 1 1 PSNGR CAR	NONE	0 PRVTE 0 UNKN	STOP	F	w	22			0	
	29		45			45.36828611					3346325	0 2 PSNGR CAR	NONE	0 PRVTE	STRGHT	-	w	0			0	
	29		45		5.93	45.36831389	-122		58.75	-122.8163194	3434840		NONE	9 N/A	STRGHT	E	w	0			0	
	29		45			45.36831389	-122				3434841	0 2 PSNGR CAR	NONE	9 N/A	STOP	E	w	12			0	
	29		45 45		5.83	45.36828611 45.36828611		48			3082003 3082004	1 1 PSNGR CAR 0 2 PSNGR CAR	NONE	0 PRVTE 0 PRVTE	STRGHT	S	N	0			0	
	7		45			45.36828611					3082004	1 1 PSNGR CAR	NONE	0 PRVTE	STRGHT	5	N N	0			0	
	7		45			45.36828611	-122				3093585	0 2 PSNGR CAR	NONE	0 PRVTE	STOP	s	N	11			0	
	32 7		45	22		45.36828587	-122			-122.8163207	2954863	1 1 PSNGR CAR	NONE	0 PRVTE	STRGHT	w	E	0			0	
	32 7		45				7 -122		58.7545559		2954864	0 2 PSNGR CAR	NONE	0 PRVTE	STOP	w	E	11			0	
	7		45 45			45.36828611 45.36828611					3140062 3140063	1 1 PSNGR CAR 0 2 PSNGR CAR	NONE	0 PRVTE 0 PRVTE	STRGHT	W	E	11			0	
	7		45			45.36828611	1 -122 1 -122				3140063	1 1 PSNGR CAR	NONE	0 PRVTE	STRGHT	w	F	0			0	
	7		45			45.36828611	-122				3179627	0 2 PSNGR CAR	NONE	0 PRVTE	STOP	W	E	11 1	.3		0	
	7		45	22	5.83	45.36828611	-122	48	58.75	-122.8163194	3179628	0 3 PSNGR CAR	NONE	0 PRVTE	STOP	w	E	22			0	
	27 29		45			45.36828611					3241121	1 1 PSNGR CAR	NONE	0 PRVTE	STRGHT	w	E	0			0	
	27 29		45			45.36828611 45.36828611	-122				3241122	0 2 PSNGR CAR 0 2 PSNGR CAR	NONE	0 PRVTE	STOP	W	E		.3		0	
	27 29		45 45			45.36828611					3241122 3241123	0 2 PSNGR CAR	NONE	0 PRVTE 0 PRVTE	STOP	W	F		.3		0	
	27 29		45			45.36828611	-122				3241124	0 4 PSNGR CAR	NONE	0 PRVTE	STOP	w	E	22			0	
	7		45			45.36828611					3266038		NONE	0 PRVTE	STRGHT	w	E	0			0	
	7		45			45.36828611					3266039		NONE	0 PRVTE	STRGHT	W	E	6			0	
	7 29		45 45			45.36828611 45.36828611					3266039 3303907	0 2 PSNGR CAR 1 1 PSNGR CAR	NONE	0 PRVTE 9 N/A	STRGHT	W	E	6			0	-
	29		45			45.36828611					3303908	0 2 PSNGR CAR	NONE	9 N/A	STOP	w	F	11			0	
	27 7		45			45.36828611					3306998	1 1 PSNGR CAR	NONE	9 N/A	STRGHT	W	E	0			0	
	27 7		45			45.36828611			-		3306999	0 2 PSNGR CAR	NONE	9 N/A	STOP	W	E	11			0	
	2		45			45.36828611			00.10		3011429	1 1 PSNGR CAR	NONE	0 PRVTE	STRGHT	W	E	0			0	
	2		45 45			45.36828611 45.36828611	1 -122 1 -122				3011429 3011429	1 1 PSNGR CAR 1 1 PSNGR CAR	NONE	0 PRVTE 0 PRVTE	STRGHT	W	F	0			0	-
	2		45			45.36828611			00170		3011429		NONE	0 PRVTE	STRGHT	w	E	0			0	
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	4			45 22		-122			.22.8163194		. 1 PSNGR CAR	NONE	0 PRVTE	STRGHT	W	E	0	87		0		
	4		T	45 22		-122			.22.8163194		2 PSNGR CAR	NONE	0 PRVTE	TURN-L	E	S	0	87		0]
	4			45 22	5.83 45.36828611	-122	48	58.75 -1	.22.8163194	3273470	. 1 PSNGR CAR	NONE	0 PRVTE	TURN-L	E	S	0			0		
	4			45 22		-122			.22.8163194			NONE	0 PRVTE	STRGHT	W	E	0			0		
	4			45 22		-122			.22.8163194		2 PSNGR CAR	NONE	0 PRVTE	STRGHT	W	E	0			0		
	4			45 22		-122			22.8163194		2 PSNGR CAR	NONE	OPRVTE	STRGHT	W	F	0			0	-	
	2	1		45 22		-122			.22.8163194		1 PSNGR CAR	NONE	9 N/A		W	c	0		+	0	\rightarrow	
	4	1				-122			.22.8163194		2 PSNGR CAR	NONE	9 N/A		r.	c	0		_	1	-	
	3	4								+i 5324U00l			ı SIN/A	TURN-L								- 1
	2	1		45 22 45 22		-122			.22.8163194		1 PSNGR CAR	NONE		TURN-R		5	- v		+	<u> </u>	-	

2	45	22	5.83	45.36828611	-122	48	58.75	-122.8163194 3194951	0	2 PSNGR CAR	NONE	9 N/A	STRGHT	W	E	0		0	
2	45	22	5.83	45.36828611	-122	48	58.75	-122.8163194 3303294	1	1 SEMI TOW	NONE	9 N/A	STRGHT	w	E	0		0	
2	45	22	5.83	45.36828611	-122	48	58.75	-122.8163194 3303295	0	2 PSNGR CAR	NONE	9 N/A	TURN-R	S	E	0		0	
8	45	22	5.83	45.36828611	-122	48	58.75	-122.8163194 3304246	1	1 SEMI TOW	NONE	9 N/A	TURN-R	S	E	0		0	
8	45	22	5.83	45.36828611	-122	48	58.75	-122.8163194 3304247	0	2 PSNGR CAR	NONE	9 N/A	TURN-R	S	E	0		0	
2	45	22	5.83	45.36828611	-122	48	58.75	-122.8163194 3320947	1	1 PSNGR CAR	NONE	9 N/A	TURN-R	S	E	0		0	
2	45	22	5.83	45.36828611	-122	48	58.75	-122.8163194 3320948	0	2 SEMI TOW	NONE	9 N/A	STRGHT	w	E	0		0	
2	45	22	5.83	45.36828611	-122	48	58.75	-122.8163194 3320965	1	1 PSNGR CAR	NONE	9 N/A	TURN-R	S	E	0		0	
2	45	22	5.83	45.36828611	-122	48	58.75	-122.8163194 3320966	0	2 SEMI TOW	NONE	9 N/A	STRGHT	W	E	0		0	

		PARTIC_TYP	PARTIC_MVM	PARTIC_CMPSS_D	PARTIC_CMPSS_	INJ_SVRTY_		DRVR_LIC_ST	DRVR_RES_		NON_MOTRST						PARTIC_C	PARTIC_C	PARTIC_C	
		PARTIC_T _SHORT_DE												PARTIC_E PARTIC_E			AUSE_1_C	AUSE_2_C	AUSE_3_C	
3647325	ARTIC_FLG CL_SEQ_NO	1 DRVR	ESC	_DESC		NONE	L SI	9 UNK	UNK	CTN_CD	DESC	RR_1_CD F	RR_2_CD	RR_3_CD VNT_1_CD	VNT_2_CD	VNT_3_CD	. Б	_	D	RASHES OWS
3647326	0 1					NONE	0	9 UNK	UNK		5	0								320
3775180	0 1					NONE	0		UNK	(O .	0					(320
3775181	0 1					NONE	0	9 UNK	UNK	(-	0					(320
3407052 3407053	0 1	2 011111				NONE NONE	42 56	2 OR-Y 2 OR-Y	OR<25 OR<25	0	2	52	14	26			32	!		320 7 320 7
3407053	0 1					NONE	53		OR<25		7	0						1		320
3464551	0 1					NONE	21	2 OR-Y	OR<25			42					7	,		320
3464552	0 1	1 DRVR				NONE	23	1 OR-Y	OR<25	(D .	0					(320
3464553	0 1					INJB	58	2 OR-Y	OR<25		-	0					(320
3605376 3605377	0 1	1 DRVR 1 DRVR				INJC	75 48	1 OR-Y 1 OR-Y	OR<25 OR<25	0	1	20					4	1		320 T
3605377	0 1					NONE	22	2 OR-Y	OR<25	1	-	0						1		320
3667908	0 1					NONE	0	9 UNK	UNK			0								320
3667909	0 1					NONE	0	9 UNK	UNK	(O .	0					(320
3717392	0 1					NONE	21	2 OR-Y	OR<25	(-	43					7	'		320
3717393	0 1	Z Dittett				INJC	21	1 OR-Y	OR<25	(2	0					(320
3717394 3811189	0 1					NONE NONE	32	1 OR-Y 9 UNK	OR<25 UNK	0	-	26					29	1		320 7 320 7
3811189	0 1					INJC	70	2 OR-Y	OR>25		-	0					25			320
3912517	0 1					NONE	0	9 UNK	UNK			0								320
3912518	0 1	1 DRVR				NONE	0	9 UNK	UNK	C	0	0								320
3521189	0 1					NONE	33	1 SUSP	OR<25	(1	26					29			320
3521190	0 1					NONE	57	2 OR-Y	OR<25		-	0								320
3532612 3532613	0 1					NONE NONE	22	1 OR-Y 2 OTH-Y	OR<25 OR<25		²	43					1			320 3 320 3
3371995	0 1	1 DRVR				NONE	36	1 SUSP	OR<25		2	52	43	26			32			320
3371996	0 1					NONE	22	2 OR-Y	OR<25		0	0	77	20			0	,		320
3582186	0 1	1 DRVR				NONE	41		OR<25	-	0	43					7	,		320
3582187	0 1	2011111				INJC	59	2 OR-Y	OR<25	(O .	0					(320
3631658	0 1	1 DRVR				NONE	40	1 OR-Y	OR<25	(43					7	7		320
3631659 3631660	0 1	1 DRVR				INJC NONE	47 50	2 OR-Y 1 OR-Y	OR<25 OR<25	1		0)		320 3 320 3
3693647	0 1	1 DRVR 1 DRVR				NONE	24	1 OR-Y	OR<25		1	16	26	52 93			27	7 29	32	
3693648	0 1	1 DRVR				INJC	21	2 OR-Y	OR<25		-	0	20	32 33			- 27) 23	JZ	320
3693649	0 2					NO<5	1	1				0								320
3693650	0 1					INJC	30	2 OR-Y	OR<25	(0					(320
3693651	0 1					NONE	47	1 OR-Y	OR<25	(0					(320
3723562	0 1	a bittert				NONE	23	1 OR-Y 1 OR-Y	OR<25	- 0	·	43					7	'		320
3723563 3723564	0 1					NONE INJB	31 35	1 OR-Y	OR<25		-	0)		320 3 320 3
3769650	0 1					NONE	0	9 UNK	UNK		1	0								320
3769651	0 1					NONE	0	9 UNK	UNK			0								320
3772709	0 1					NONE	0	9 UNK	UNK	()	0					(320
3772710	0 1	2 011111				NONE	0	9 UNK	UNK	(4	0					(320
3435670 3435671	0 1					NONE INJC	46 42	1 OR-Y	OR<25		-	0								320 7 320 7
3435671	0 2					INJC	13	2			1	0								320
3435673	0 4					INJC	9	1				0								320
3435674	0 1	1 DRVR				INJB	70	1 OR-Y	OR<25	-	1	4	28				2			320
3435675	0 1					NONE	52	2 OR-Y	OR<25	(-	0					(320
3472237	0 1					INJB	70	2 OR-Y	OR<25		-	0								320
3472238	0 2					INJB	63	1 OP V	OB +25	0	9	0	28							320
3472239 3472240	0 1					INJC	31 30	1 OR-Y	OR<25	1		0	28				-			320 7 320 7
3509259	0 1					INJC	26	1 OR-Y	OR<25		5	0								320
3509260	0 1	1 DRVR				NONE	45	1 OR-Y	OR<25	(0	4	28				2			320
3595510	0 1					INJB	48	1 OR-Y	OR<25	(*	4	20				4	1		320
3595511	0 1					INJC	39	2 OR-Y	OR<25		1	0					(320
3595512 3621932	0 1					NONE NONE	42 60	1 OTH-Y 2 OR-Y	N-RES OR<25			0	20				<u> </u>			320 7
3621932	0 1					INJB	47	1 OR-Y	OR<25	1	-	0	28							320 3 320 3
3626906	0 1	1 DRVR				INJC	57	1 OR-Y	OR<25			0								320
3626907	0 1					NONE	38	1 OR-Y	OR<25	1	-	4	28							320
3659390	0 1	1 DRVR				NONE	0	9 UNK	UNK	(0	0								320
3659391	0 1	1 DRVR				NONE	0	9 UNK	UNK	(0	0					(320
3728748	0 1	1 DRVR				NONE	41	1 OR-Y	OR>25			0					(320

1975-1976 O	[2 2 PSNG	I love					1 -1				l ol			
1995 1			INJC	38	1			0				-		320	
1975												-			
1995								1 4							
1												-			
1998 1	3732848 0	1 1 DRVR	INJB				0	20				4			
1995 1	3732849 0	1 1 DRVR	INJB	33	2 OR-Y	OR<25	0	0				0		320	788
1985 1 1 1998	3732850 0	2 2 PSNG	INJB	12	2		0	0				0		320	788
1965 1 1 100	3732851 0	3 2 PSNG	INJB	11	2		0	0				0		320	788
1	3789349 0	1 1 DRVR	NONE	0	9 UNK	UNK	0	0				0			
1000 1000	3789350 0	1 1 DRVR	NONE	0	9 UNK		0	0				0			
MASSAN Color Col				0				0				0			
1965				$\overline{}$				0				0			
1966				-				0				-			
1968															
1985								_				-			
1990												-			
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1				U											
1985				0				-							
Miles				-								-			
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1965 1 3 5 5 5 5 5 5 5 5 5						OR<25			80	52			6 32		
1986				38				0				0			
Marging O				-				0				-			
1489317 0 1 1 10 10 1 10 10								0				0			
189317 O 1	3489235 0	1 1 DRVR	INJC	82	2 OR-Y	OR<25	0	43				7		320	788
189317 O 1	3489236 0	1 1 DRVR	INJC	43	2 OR-Y	OR<25	0	0				0		320	788
1965 1 1 1 1 1 1 1 1 1							0	43				7			
1905-14 1 1 1 1 1 1 1 1 1				0				0				0			
1722375 0				0			0	0				0			
1222375 0 1 1 1 1 1 1 1 1 1				32				26				-			
1922317 0 2 2 2 2 2 2 2 2 2															
3722377 O 1 1 1 1 1 1 1 1 1						OKAZS						-			
3722378						OD - 25									
334965 0 0 1 1 1 DWR								0							
3349572 0 1 1 1 DWR								0				0			
377288 0 1 1 1 1 1 1 1 1 1								42	43			/	_		
1 1 1 1 1 1 1 1 1 1								0							
9372893															
327289 0 2 2 2 2 5 5 6												-			
338455 0 1 1 1 0 0 0 1 1 0 0				33		OR<25	_					_			
386655 0 0 1 1 0 0 NPR				4								0			
3791558 O												7			
3791595 0		1 1 DRVR		27	1 OR-Y		0	0				0		320	
349789 0 1 1 1 1 1 1 1 1 1	3791958 0	1 1 DRVR	NONE	0	9 UNK	UNK	0	0				0		320	788
3459780 0	3791959 0	1 1 DRVR	NONE	0	9 UNK	UNK	0	0				0		320	788
3459780 0	3459779 0	1 1 DRVR	INJC	16	1 OR-Y	OR<25	0	52				32		320	788
3467944 0 1 1 1 1 DRVR	3459780 0	1 1 DRVR	ALMI	50	2 OR-Y	OR<25	0	0				0		320	788
3461944 0 1 1 1 1 0 RWR	3461943 0	1 1 DRVR	NONE	74	1 OR-Y	OR<25	0	42				7		320	788
3475662 O												0			
347563 0 1 1 1 0 NVR								43				7			
3500009 0												0			
350000 0								_				-			
3522835							_								
352826 0 1 1 1 DRVR															
355805 0 1 1 1 DRVR															
3589046 0 1 1 1 DRVR								-	36			-			
388918 0 1 1 1 DRVR								43	26			/			
358919 0 1 1 1 DRVR								0							
3876715 0 1 1 1 DRVR													_		
3876716 0 1 1 DRVR															
3876717 0 2 2 PSNG															
3876718 0 3 2 PSNG						N-RES						-			
3647325 0 1 1 1 DRVR				37											
3647326 0 1 1 1 DRVR NONE 0 9 UNK UNK 0 0 0 0 51 120 3775180 0 1 1 DRVR NONE 0 9 UNK UNK 0 0 0 51 120 3775180 0 1 1 DRVR NONE 0 9 UNK UNK 0 0 0 51 120 3407052 0 1 1 DRVR NONE 0 9 UNK UNK 0 0 0 51 120 3407053 0 1 1 DRVR NONE 0 NONE 42 2 DRY OR-25 0 0 52 14 26 32 51 120 3407053 0 1 1 DRVR NONE 56 2 DRY OR-25 0 0 0 51 120 3407054 0 1 DRVR NONE 53 1 DRY NONE 53 1 DRY OR-25 0 0 0 51 120 0 51 120				4				_				-			
3775180 0 1 1 DRVR NONE NONE 0 9 UNK UNK 0 0 0 0 0 0 0 51 120 3775181 0 1 1 DRVR NONE 0 9 UNK UNK 0 0 0 0 0 0 51 120 3407052 0 1 1 DRVR NONE 0 9 UNK UNK 0 0 0 0 0 0 0 51 120 3407053 0 1 1 DRVR NONE 42 2 DR-Y OR-25 0 0 52 14 26 0 32 0 51 120 3407054 0 1 1 DRVR NONE 56 2 DR-Y OR-25 0 0 0 0 0 0 0 0 51 120 3407054 0 1 1 DRVR NONE 56 2 DR-Y OR-25 0 0 0 0 0 0 0 0 0 51 120				0								0			
3775180 0 1 1 DRVR NONE NONE 0 9 UNK UNK 0 0 0 0 0 0 0 51 120 3775181 0 1 1 DRVR NONE 0 9 UNK UNK 0 0 0 0 0 0 51 120 3407052 0 1 1 DRVR NONE 0 9 UNK UNK 0 0 0 0 0 0 0 51 120 3407053 0 1 1 DRVR NONE 42 2 DR-Y OR-25 0 0 52 14 26 0 32 0 51 120 3407054 0 1 1 DRVR NONE 56 2 DR-Y OR-25 0 0 0 0 0 0 0 0 51 120 3407054 0 1 1 DRVR NONE 56 2 DR-Y OR-25 0 0 0 0 0 0 0 0 0 51 120				0	9 UNK		0	0				0		51	
3775181 0 1 1 DRVR NONE 0 9 UNK UNK 0 0 0 0 51 120 3407052 0 1 1 DRVR NONE 42 2 ORY 0R-25 0 52 14 26 32 51 120 3407053 0 1 1 DRVR NONE 56 2 ORY 0R-25 0 0 0 0 51 120 3407054 0 1 1 DRVR NONE 53 1 ORY 0R-25 0 0 0 0 51 120		1 1 DRVR	NONE	0	9 UNK	UNK	0	0				0		51	
3407052 0 1 1 DRVR NONE 42 2 QRY 0R-25 0 52 14 26 32 51 120 120 120 120 120 120 120 120 120 12				0			0	0				0			
3407053 0 1 1 DRVR NONE 56 2 OR-Y OR-25 0 0 0 0 51 120 3407054 0 1 1 DRVR NONE 53 1 OR-Y OR-25 0 0 0 0 51 120								52	14	26		32			
3407054 0 1 1 DRVR NONE 53 1 OR-Y OR-25 0 0 0 0 51 120								0							
								1 0				-			
71 120								-				7			
	5.5352	-1 2 5000	NONE		E ON	311.23	· · · · · · · · · · · · · · · · · · ·	42				1		31	

										_	_				
	1 1 DRVR	NONE	23	1 OR-Y	OR<25	0	0					0		51	
3464553 0	1 1 DRVR	INJB	58	2 OR-Y	OR<25	0	0					0		51	1 120
3605376 0	1 1 DRVR	INJC	75	1 OR-Y	OR<25	0	20			_		4		5:	
										_					
3605377 0	1 1 DRVR	INJC	48	1 OR-Y	OR<25	0	0					0		51	
3605378 0	1 1 DRVR	NONE	22	2 OR-Y	OR<25	l ol	0							51	1 120
3667908 0	1 1 DRVR	NONE	0	9 UNK	UNK	0	0					0		5:	
3667909 0	1 1 DRVR	NONE	0	9 UNK	UNK	0	0			_	_	0		5:	
												U			
3717392 0	1 1 DRVR	NONE	21	2 OR-Y	OR<25	0	43					7		51	1 120
3717393 0	1 1 DRVR	INJC	21	1 OR-Y	OR<25	0	0					0		51	1 120
	1 1 DRVR	NONE	32	1 OR-Y	OR<25	0	0					0		5:	
							-								
	1 1 DRVR	NONE	0	9 UNK	UNK	0	26					29		51	
3811190 0	1 1 DRVR	INJC	70	2 OR-Y	OR>25		0					0		51	1 120
3912517 0	1 1 DRVR	NONE	0	9 UNK	UNK	0	0					0		51	1 120
			-									-			
	1 1 DRVR	NONE	0	9 UNK	UNK	0	0					0		51	
3521189 0	1 1 DRVR	NONE	33	1 SUSP	OR<25	0	26					29		5:	1 120
3521190 0	1 1 DRVR	NONE	57	2 OR-Y	OR<25	o	0					l ol		5:	1 120
3532612 0	1 1 DRVR	NONE	22	1 OR-Y	OR<25	0	43					7		51	
												1 1			
	1 1 DRVR	NONE	23	2 OTH-Y	OR<25	0	0					0		51	
3371995 0	1 1 DRVR	NONE	36	1 SUSP	OR<25	0	52	43	26			32	7	51	1 120
3371996 0	1 1 DRVR	NONE	22	2 OR-Y	OR<25	0	0					0		53	1 120
	1 1 DRVR	NONE	41	2 OR-Y	OR<25	0	43							5:	
							43			_		1 1			
	1 1 DRVR	INJC	59	2 OR-Y	OR<25	0	0					0		51	
3631658 0	1 1 DRVR	NONE	40	1 OR-Y	OR<25	0	43					7		51	1 120
	1 1 DRVR	INJC	47	2 OR-Y	OR<25	0	0					0		51	
	1 1 DRVR	NONE		1 OR-Y		0	0					0			
			50		OR<25		-					-		5:	
3693647 0	1 1 DRVR	NONE	24	1 OR-Y	OR<25	0	16	26	52	3		27	29 3	2 51	
3693648 0	1 1 DRVR	INJC	21	2 OR-Y	OR<25	0	0					0		5:	1 120
	2 2 PSNG	NO<5	1	1		0	0					0		5:	
			1				-								
	1 1 DRVR	INJC	30	2 OR-Y	OR<25	0	0					0		51	
3693651 0	1 1 DRVR	NONE	47	1 OR-Y	OR<25		0					0		5:	1 120
3723562 0	1 1 DRVR	NONE	23	1 OR-Y	OR<25	0	43					7		5:	1 120
	1 1 DRVR	NONE	31	1 OR-Y	OR<25	0	0					0		51	
					UK<25		-								
3723564 0	2 2 PSNG	INJB	35	2		0	0					0		53	1 120
3769650 0	1 1 DRVR	NONE	0	9 UNK	UNK	0	0					O		51	1 120
3769651 0	1 1 DRVR	NONE	0	9 UNK	UNK	0	0					0		51	
										_					
3772709 0	1 1 DRVR	NONE	0	9 UNK	UNK	0	0					0		51	
3772710 0	1 1 DRVR	NONE	0	9 UNK	UNK	0	0					0		51	1 120
3435670 0	1 1 DRVR	NONE	46	1 OR-Y	OR<25	0	0					0		51	1 120
					ONAZS		-			_		-			
	2 2 PSNG	INJC	42	2		0	0					0		51	
3435672 0	3 2 PSNG	INJC	13	2		0	0					0		51	1 120
3435673 0	4 2 PSNG	INJC	9	1		0	0					0		51	1 120
	1 1 DRVR	INJB	70	1 OR-Y	OR<25	0	1	28				2		51	
							4	20							
	1 1 DRVR	NONE	52	2 OR-Y	OR<25	0	0					0		5:	
3472237 0	1 1 DRVR	INJB	70	2 OR-Y	OR<25	0								51	1 120
3472238 0	2 2 PSNG	INJB	63	1		0	0					0		51	1 120
3472239 0	1 1 DRVR	INJC	31	1 OR-Y	OR<25	0	- 4	28				1		5:	
					UK<25		4	28							
3472240 0	2 2 PSNG	INJC	30	2		0	0					0		51	
3509259 0	1 1 DRVR	INJC	26	1 OR-Y	OR<25	0	0					0		51	1 120
	1 1 DRVR	NONE	45	1 OR-Y	OR<25	0	4	28				2		5:	
										1		4			
	1 1 DRVR	INJB	48	1 OR-Y	OR<25	0	4	20						51	
3595511 0	1 1 DRVR	INJC	39	2 OR-Y	OR<25	0	ol					0		51	
3595512 0	1 1 DRVR	NONE	42	1 OTH-Y	N-RES	0	0					0		5:	1 120
	1 1 DRVR	NONE	60	2 OR-Y	OR<25	0	1 1	28		1		2		5:	
							+ 4	20		_	_	-			
	1 1 DRVR	INJB	47	1 OR-Y	OR<25	0	0					0		51	
3626906 0	1 1 DRVR	INJC	57	1 OR-Y	OR<25	0	0					0		51	1 120
3626907 0	1 1 DRVR	NONE	38	1 OR-Y	OR<25	0	1	28		1		2		53	
		NONE				0	7	20							
3659390 0	1 1 DRVR		0	9 UNK	UNK	_ <u> </u>	1 0					0		51	
3659391 0	1 1 DRVR	NONE	0	9 UNK	UNK	0	0					0		5:	
3728748 0	1 1 DRVR	NONE	41	1 OR-Y	OR>25	0	0					0		51	1 120
	2 2 PSNG	INJC	38	1		0	0					0		51	
					00.55		<u> </u>			_					
3728750 0	1 1 DRVR	INJB	55	1 OR-Y	OR<25	0	28					2		5:	
3729143 0	1 1 DRVR	INJC	40	2 OR-Y	OR<25	0	0					0		53	1 120
	1 1 DRVR	NONE	47	1 OR-Y	OR<25	0	20					4		5:	
										_	-				
0.000.0	1 1 DRVR	INJB	24	1 OTH-Y	OR<25	0	20					4		51	
3732849 0	1 1 DRVR	INJB	33	2 OR-Y	OR<25	0	0					0		51	1 120
3732850 0	2 2 PSNG	INJB	12	2		0	0					0		51	1 120
3732851 0	3 2 PSNG	INJB	11	2		0	1 0					0		5:	
				_			<u> </u>			_	_	-			
	1 1 DRVR	NONE	0	9 UNK	UNK	0	0					0		51	
	1 1 DRVR	NONE	0	9 UNK	UNK	0	0					0		51	1 120
3789350 0	I IDVAK	I INDINE I	O.												
	1 1 DRVR	NONE	0	9 UNK	UNK	0	0					0		5:	

3648130	0	1	1 DRVR		NONE	0	9 UNK	UNK	0	0		0		51	120
3769039	0	1	1 DRVR		NONE	0	9 UNK	UNK	0	0		0		51	120
3769040	0	1	1 DRVR		NONE	0	9 UNK	UNK	0	0		0		51	120
3769980	0	1	1 DRVR		NONE	0	9 UNK	UNK	0	0		0		51	120
3769981	0	1	1 DRVR		NONE	0	9 UNK	UNK	0	0		0		51	120
3786303	0	1	1 DRVR		NONE	0	9 UNK	UNK	0	0		0		51	120
3786304	0	1	1 DRVR		NONE	0	9 UNK	UNK	0	0		0		51	120
3786320	0	1	1 DRVR		NONE	0	9 UNK	UNK	0	0		0		51	120
3786321	0	1	1 DRVR		NONE	0	9 UNK	UNK	0	0		0		51	120

	INVSTG_AGY	CRASH_SPEE			LANE RDWY			CRASH_HR_									HWY_COMPI	١				
CRASH_I	_SHORT_DES	D_INVLV_FL	ALCHL_IN DRUG_IN MJ_II	NVL SCHL_ZC	WRK_ZO DPRT CRASH	UNLOCT		CRASH_W SHORT_DES		CITY_SECT	URB_AREA_SHOP	1		RDWY_N		HWY_CO	T_SHORT_DE	MLGE_TY	RD_CON			
D INT_ID	SER_NO C	G	VLV_FLG VLV_FLG V_FLG	G NE_IND	NE_IND FLG	FLG	CRASH_DT	K_DAY_CD C	CNTY_NM	_NM	T_NM	HWY_NO	HWY_MED_NM	О	FC_CD	MPNT_CD	SC	P_CD	_NO	LRS VAL	MP_NO	ST_NO
1652449	2 7158 COUNTY	0	0 0		0 0 N	FALSE	11/25/2015	4 3P	Washington	Sherwood	PORTLAND UA				1	.6						1803
1652449	2 7158 COUNTY	0	0 0		0 0 N	FALSE	11/25/2015	4 3P	Washington	Sherwood	PORTLAND UA				1	.6						1803
1764832	2 7780 CITY	0	0 0		0 0 N	FALSE	12/6/2017	4 1P	Washington	Sherwood	PORTLAND UA				1	.6						1803
1764832	2 7780 CITY	0	0 0		0 0 N	FALSE	12/6/2017	4 1P	Washington	Sherwood	PORTLAND UA				1	.6						1803
1823390	2 5509 NONE	0	0 0		0 0 N	FALSE	10/16/2018	3 4P	Washington	Sherwood	PORTLAND UA				1	.6						1803
1823390	2 5509 NONE	0	0 0		0 0 N	FALSE	10/16/2018	3 4P	Washington	Sherwood	PORTLAND UA				1	.6						1803
1718125	2 1128 CITY	0	0 0		0 0 N	FALSE	2/27/2017	2 4P	Washington	Sherwood	PORTLAND UA				1	.6						1803
1718125	2 1128 CITY	0	0 0		0 0 N	FALSE	2/27/2017		Washington	Sherwood	PORTLAND UA				1	.6						1803
1718125	2 1128 CITY	0	0 0		0 0 N	FALSE	2/27/2017		Washington	Sherwood	PORTLAND UA				1	.6						1803
1823519	2 6949 CITY	0	0 0		0 0 N	FALSE	12/18/2018		Washington	Sherwood	PORTLAND UA				1	.6						1803
1823519	2 6949 CITY	0			0 N	FALSE	12/18/2018	3 5P	Washington	Sherwood	PORTLAND UA				1	.6					4	1803
1652449	2 7158 COUNTY	0	0 0		0 0 N	FALSE	11/25/2015		Washington	Sherwood	PORTLAND UA				1	.6						1803
1652449	2 7158 COUNTY	0	0 0		0 0 N	FALSE	11/25/2015		Washington	Sherwood	PORTLAND UA				1	.6						1803
1764832	2 7780 CITY	0	0 0		0 0 N	FALSE	12/6/2017		Washington	Sherwood	PORTLAND UA				1	.6						1803
1764832	2 7780 CITY	0	0 0		0 0 N	FALSE	12/6/2017		Washington	Sherwood	PORTLAND UA				1	.6						1803
1823390	2 5509 NONE	0	0 0		0 0 N	FALSE	10/16/2018	3 4P	Washington	Sherwood	PORTLAND UA				1	.6						1803
1823390	2 5509 NONE	0	0 0		0 0 N	FALSE	10/16/2018	3 4P	Washington	Sherwood	PORTLAND UA				1	.6						1803
1718125	2 1128 CITY	0	0 0		0 0 N	FALSE	2/27/2017		Washington	Sherwood	PORTLAND UA				1	.6						1803
1718125	2 1128 CITY	0	0 0		0 0 N	FALSE	2/27/2017	2 4P	Washington	Sherwood	PORTLAND UA				1	.6						1803
1718125	2 1128 CITY	0	0 0		0 0 N	FALSE	2/27/2017		Washington	Sherwood	PORTLAND UA				1	.6						1803
1823519	2 6949 CITY	0	0 0		0 0 N	FALSE	12/18/2018		Washington	Sherwood	PORTLAND UA				1	.6						1803
1823519	2 6949 CITY	0	0 0		0 0 N	FALSE	12/18/2018		Washington	Sherwood	PORTLAND UA				1	.6						1803
1820129	2 6043 NONE	0	0 0		0 0 N	FALSE	11/7/2018	4 3P	Washington		PORTLAND UA				1	.6						1848
1820129	2 6043 NONE	0	0 0		0 0 N	FALSE	11/7/2018	4 3P	Washington		PORTLAND UA				1	6					1	1848
1820129	2 6043 NONE	0	0 0		0 0 N	FALSE	11/7/2018	4 3P	Washington		PORTLAND UA				1	.6						1848
1820129	2 6043 NONE	0	0 0		0 0 N	FALSE	11/7/2018		Washington		PORTLAND UA				1	.6						1848
1616443	2 6290 NONE	0	0 0		0 0 N	FALSE	10/26/2015	2 3P	Washington		PORTLAND UA				1	6						2324
1616443	2 6290 NONE	0	0 0		0 0 N	FALSE	10/26/2015	2 3P	Washington		PORTLAND UA				1	.6						2324

			RD_CHAR_		CMPSS	DIR	ISECT_TYP	MEDN_TYP				TRAF_CNTL_DE				WTHR_C	OND RD_SURF_S	S LGT_COND		COLLIS_TYP	CRASH_SVRT	CRASH_E	CRASH_E
	ISECT_ST_	RD_CHA	SHORT_DES	CMPSS_	CMPSS_DIR _SHOR	T_DE IMPO	T_L SHORT_DE	S _SHORT_DE	TURNG_L		ISECT_R	E VICE_SHORT_D	OFF_RD	RNDABT	DRVWY_	_SHORT_	DES HORT_DES	SHORT_DE	S CRASH_TYP_	_SHORT_DE	Y_SHORT_DE	VNT_1_C	VNT_2_C
ST_NM	NO ISECT_ST_NM	R_CD	C I	DIR_CD	_FROM_CD_SC	oc_c	D C	sc	EG_QTY	LN_QTY	L_FLG	ESC	WY_FLG	_FLG	REL_FLG	С	С	С	SHORT_DESC	SC	SC	D	D
SW OREGON ST	2303 SW TONQUIN RD	1	INTER	9	CN		1 3-LEG		0			0 STOP SIGN	0	(CLR	DRY	DAY	S-1STOP	REAR	PDO		
SW OREGON ST	2303 SW TONQUIN RD	1	INTER	9	CN		1 3-LEG		0)		0 STOP SIGN	0	()	CLR	DRY	DAY	S-1STOP	REAR	PDO		
SW OREGON ST	2303 SW TONQUIN RD	1	INTER	9	CN		1 3-LEG		0			0 STOP SIGN	0	(CLR	DRY	DAY	ANGL-OTH	TURN	PDO		
SW OREGON ST	2303 SW TONQUIN RD	1	INTER	9	CN		1 3-LEG		0			0 STOP SIGN	0	(CLR	DRY	DAY	ANGL-OTH	TURN	PDO		
SW OREGON ST	2303 SW TONQUIN RD	1	INTER	9	CN		1 3-LEG		0			0 STOP SIGN	0	()	CLR	DRY	DAY	ANGL-OTH	TURN	PDO		
SW OREGON ST	2303 SW TONQUIN RD	1	INTER	9	CN		1 3-LEG		0)		0 STOP SIGN	0	()	CLR	DRY	DAY	ANGL-OTH	TURN	PDO		
SW OREGON ST	2303 SW TONQUIN RD	1	INTER	9	CN		2 3-LEG		0			0 STOP SIGN	0	(CLD	DRY	DAY	ANGL-OTH	TURN	INJ		
SW OREGON ST	2303 SW TONQUIN RD	1	INTER	9	CN		2 3-LEG		0)		0 STOP SIGN	0	()	CLD	DRY	DAY	ANGL-OTH	TURN	INJ		
SW OREGON ST	2303 SW TONQUIN RD	1	INTER	9	CN		2 3-LEG		0			0 STOP SIGN	0	()	CLD	DRY	DAY	ANGL-OTH	TURN	INJ		
SW OREGON ST	2303 SW TONQUIN RD	1	INTER	9	CN		2 3-LEG		1			0 STOP SIGN	0	(RAIN	WET	DLIT	ANGL-OTH	TURN	PDO		
SW OREGON ST	2303 SW TONQUIN RD	1	INTER	9	CN		2 3-LEG		1			0 STOP SIGN	0	()	RAIN	WET	DLIT	ANGL-OTH	TURN	PDO		
SW OREGON ST	2303 SW TONQUIN RD	1	INTER	9	CN		1 3-LEG		0			0 STOP SIGN	0	(CLR	DRY	DAY	S-1STOP	REAR	PDO		
SW OREGON ST	2303 SW TONQUIN RD	1	INTER	9	CN		1 3-LEG		0			0 STOP SIGN	0	(CLR	DRY	DAY	S-1STOP	REAR	PDO		
SW OREGON ST	2303 SW TONQUIN RD	1	INTER	9	CN		1 3-LEG		0)		0 STOP SIGN	0	()	CLR	DRY	DAY	ANGL-OTH	TURN	PDO		
SW OREGON ST	2303 SW TONQUIN RD	1	INTER	9	CN		1 3-LEG		0			0 STOP SIGN	0	(CLR	DRY	DAY	ANGL-OTH	TURN	PDO		
SW OREGON ST	2303 SW TONQUIN RD	1	INTER	9	CN		1 3-LEG		0			0 STOP SIGN	0	(CLR	DRY	DAY	ANGL-OTH	TURN	PDO		
SW OREGON ST	2303 SW TONQUIN RD	1	INTER	9	CN		1 3-LEG		0			0 STOP SIGN	0	()	CLR	DRY	DAY	ANGL-OTH	TURN	PDO		
SW OREGON ST	2303 SW TONQUIN RD	1	INTER	9	CN		2 3-LEG		0)		0 STOP SIGN	0	()	CLD	DRY	DAY	ANGL-OTH	TURN	INJ		
SW OREGON ST	2303 SW TONQUIN RD	1	INTER	9	CN		2 3-LEG		0			0 STOP SIGN	0	(CLD	DRY	DAY	ANGL-OTH	TURN	INJ		
SW OREGON ST	2303 SW TONQUIN RD	1	INTER	9	CN		2 3-LEG		0)		0 STOP SIGN	0	()	CLD	DRY	DAY	ANGL-OTH	TURN	INJ		
SW OREGON ST	2303 SW TONQUIN RD	1	INTER	9	CN		2 3-LEG		1			0 STOP SIGN	0	()	RAIN	WET	DLIT	ANGL-OTH	TURN	PDO		
SW OREGON ST	2303 SW TONQUIN RD	1	INTER	9	CN		2 3-LEG		1			0 STOP SIGN	0	()	RAIN	WET	DLIT	ANGL-OTH	TURN	PDO		1
SW OREGON ST	2324 SW TONQUIN RD	1	INTER	9	CN		2 3-LEG		0			0 STOP SIGN	0	(CLR	DRY	DAY	ANGL-OTH	TURN	PDO		
SW OREGON ST	2324 SW TONQUIN RD	1	INTER	9	CN		2 3-LEG		0			0 STOP SIGN	0	(CLR	DRY	DAY	ANGL-OTH	TURN	PDO		
SW OREGON ST	2324 SW TONQUIN RD	1	INTER	9	CN		2 3-LEG		0			0 STOP SIGN	0	(CLR	DRY	DAY	ANGL-OTH	TURN	PDO		
SW OREGON ST	2324 SW TONQUIN RD	1	INTER	9	CN		2 3-LEG		0			0 STOP SIGN	0	(CLR	DRY	DAY	ANGL-OTH	TURN	PDO		
SW TONQUIN RD	1848 SW OREGON ST	3	STRGHT	4	SE		3	NONE			2	0 UNKNOWN	0	(RAIN	WET	DAY	S-1STOP	REAR	INJ		
SW TONQUIN RD	1848 SW OREGON ST	3	STRGHT	4	SE		3	NONE			2	0 UNKNOWN	0)	RAIN	WET	DAY	S-1STOP	REAR	INJ		\top

CRASH E			LAT	LAT									VHCL COD		VHCL USE	VHCL OWNS	VHCL MVMN	VHCL_CMPSS_DI	VHCL CMPSS D)			
VNT_3_C	CRASH_CA CRASH_C	A CRASH_C	DEG	MINUT	E		LONGTD	LONGTD	LONGTD			STRIKG_V				TRLR_QT HP_SHORT_D					VHCL_EV VHCL_	V VHCL_CA VHCL_CA	VHCL_CA
	USE_1_CD USE_2_CI			NO	LAT SEC NO	LAT	DEG NO	MINUTE NO	SEC NO	LONG	VHCL_ID	HCL_FLG		DESC	с _	Y ESC	sc	_DESC	DESC			D USE_1_CD USE_2_CD	
	7		4	.5	21 40.3	45.3612166	7 -12	2 49	25.92	-122.823866	3119981		1 1 PSN	IGR CAR	NONE	0 PRVTE	STRGHT	NE	SW	0		0	
	7		4	.5	21 40.3	45.3612166	7 -12	2 49	25.92	-122.823866	3119982		2 PSN	IGR CAR	NONE	0 PRVTE	STOP	NE	SW	12		0	
	3		4	.5	21 40.3	45.3612166	7 -12	2 49	25.92	-122.823866	3327638	:	1 1 PSN	IGR CAR	NONE	9 N/A	TURN-L	SE	SW	0		0	
	3		4	.5	21 40.3	45.3612166	57 -122	2 49	25.92	-122.823866	3327639		2 PSN	IGR CAR	NONE	9 N/A	STRGHT	NE	SW	0		0	
	2		4	.5	21 40.3	45.3612166	-12	2 49	25.92	-122.823866	7 3434193		1 PSN	IGR CAR	NONE	9 N/A	TURN-L	SE	SW	0		0	
	2		4	.5	21 40.3	45.3612166	7 -122	2 49	25.92	-122.823866	3434194		2 PSN	IGR CAR	NONE	9 N/A	STRGHT	NE	SW	0		0	
	3		4	-5	21 40.3	45.3612166			25.92	-122.823866	3241030		1 PSN	IGR CAR	NONE	0 PRVTE	STRGHT	SW	NE	0		0	
	3		4	.5	21 40.3	45.3612166					3241031		2 PSN	IGR CAR	NONE	0 PRVTE	TURN-L	SE	SW	0		0	
	3		4	.5		45.3612166									NONE	0 PRVTE	TURN-L	SE	SW	0		0	
	2		4	-5	21 40.3	45.3612166			25.92	-122.823866			1 PSN		NONE	9 N/A	TURN-L	SE	SW	0		0	
	2		4	.5	21 40.3	45.3612166							2 PSN	IGR CAR	NONE	9 N/A	STRGHT	SW	NE	0		0	
	7		4	.5		45.3612166					7 3119981				NONE	0 PRVTE	STRGHT	NE	SW	0		0	
	7		4	.5		45.3612166									NONE	0 PRVTE	STOP	NE	SW	12		0	
	3		4	.5		45.3612166				-122.823866	3327638				NONE	9 N/A	TURN-L	SE	SW	0		0	
	3		4	.5	21 40.3	45.3612166									NONE	9 N/A	STRGHT	NE	SW	0		0	
	2		4	.5		45.3612166					7 3434193				NONE	9 N/A	TURN-L	SE	SW	0		0	
	2		4			45.3612166									NONE	9 N/A	STRGHT	NE	SW	0		0	
	3		4	7		45.3612166				-122.823866	7 3241030				NONE	0 PRVTE	STRGHT	SW	NE	0		0	
	3		4	.5		45.3612166									NONE	0 PRVTE	TURN-L	SE	SW	0		0	
	3		4	.5	21 40.3						7 3241031				NONE	0 PRVTE	TURN-L	SE	SW	0		0	\perp
	2		4	7		45.3612166									NONE	9 N/A	TURN-L	SE	SW	0		0	
	2		4			45.3612166					3434419				NONE	9 N/A	STRGHT	SW	NE	0		0	\bot
	2		4	.5		45.3612166									NONE	9 N/A	TURN-L	SE	SW	0		0	
	2		4	7		45.3612166					7 342837€				NONE	9 N/A	STRGHT	SW	NE	0		0	\perp
	2		4	5		45.3612166									NONE	9 N/A	TURN-L	SE	SW	0		0	
	2		4	.5		45.3612166				-122.823866					NONE	9 N/A	STRGHT	SW	NE	0		0	\perp
	29		4	-		45.3608361				-122.8234					NONE	0 PRVTE	STRGHT	NW	SE	0		0	
	29		4	.5	21 39.0	L 45.3608361	.1 -12	2 49	24.42	-122.8234	3053046	i (D 2 PSN	IGR CAR	NONE	0 PRVTE	STOP	NW	SE	11		0	

			PARTIC_TY	YP PARTIC_MVM	PARTIC_CMPSS_D	PARTIC_CMPSS_	INJ_SVRTY_		DRVR_LIC	_ST_DRVR_RES_		NON_MOTRST						PARTIC_C	PARTIC_C	PARTIC_C		
PARTIC_I STE	RIKG_P PARTI	C_VH PARTIC_	_T _SHORT_D	DE NT_SHORT_D	IR_FROM_SHORT	DIR_TO_SHORT_	SHORT_DES	AGE_VA	AT_SHOR	T_D SHORT_DES	PARTIC_A	_LOC_SHORT_	PARTIC_E PA	RTIC_E PA	RTIC_E PARTIC_E	PARTIC_E	PARTIC_E	AUSE_1_C	AUSE_2_C	AUSE_3_C	TOTAL_C	TOTAL_R
D AR	TIC_FLG CL_SE	Q_NO YP_CD	SC	ESC	_DESC	DESC	С	L SEX_CD	ESC	С	CTN_CD	DESC	RR_1_CD RR	_2_CD RR	_3_CD VNT_1_CI	VNT_2_CI	VNT_3_CD	D	D	D	RASHES C	ows
3558801	0	1	1 DRVR				NONE	17	1 OR-Y	OR<25	0		43	26				7			51	120
3558802	0	1	1 DRVR				NONE	48	1 OR-Y	OR<25	0		0					C			51	120
3792851	0	1	1 DRVR				NONE		9 UNK	UNK	0		0					C			51	120
3792852	0	1	1 DRVR				NONE	0	9 UNK	UNK	0		0					C			51	120
3911912	0	1	1 DRVR				NONE		9 UNK	UNK	0		0					C			51	
3911913	0	1	1 DRVR				NONE		9 UNK	UNK	0		0					C			51	120
3693539	0	1	1 DRVR				INJC		1 OR-Y	OR<25	0		0					C			51	120
3693540	0	1	1 DRVR				NONE	78	1 OR-Y	OR<25	0		20					3			51	120
3693541	0	2	2 PSNG				INJC	50	2		0		0					C			51	120
3912123	0	1	1 DRVR				NONE		9 UNK	UNK	0		0								51	120
3912124	0	1	1 DRVR				NONE		9 UNK	UNK	0		0					C			51	120
3558801	0	1	1 DRVR				NONE		1 OR-Y	OR<25	0		43	26				7	1		6	12
3558802	0	1	1 DRVR				NONE		1 OR-Y	OR<25	0		0					C			6	12
3792851	0	1	1 DRVR				NONE		9 UNK	UNK	0		0					C	1		6	12
3792852	0	1	1 DRVR				NONE		9 UNK	UNK	0		0					C			6	12
3911912	0	1	1 DRVR				NONE	0	9 UNK	UNK	0		0						N .		, 6	12
3911913	0	1	1 DRVR				NONE		9 UNK	UNK	0		0					C			6	12
3693539	0	1	1 DRVR				INJC	34	1 OR-Y	OR<25	0		0					C			6	12
3693540	0	1	1 DRVR				NONE		1 OR-Y	OR<25	0		20					3			6	12
3693541	0	2	2 PSNG				INJC	50	2		0		0					C	1		6	12
3912123	0	1	1 DRVR				NONE		9 UNK	UNK	0		0					C			6	12
3912124	0	1	1 DRVR				NONE	0	9 UNK	UNK	0		0						N .		, 6	12
3906398	0	1	1 DRVR				NONE		9 UNK	UNK	0		0					C			1	2
3906399	0	1	1 DRVR				NONE		9 UNK	UNK	0		0					C			1	2
3906398	0	1	1 DRVR				NONE	0	9 UNK	UNK	0		0					C			57	98
3906399	0	1	1 DRVR				NONE		9 UNK	UNK	0		0					C			57	98
3485770	0	1	1 DRVR				NONE	48	1 OR-Y	OR<25	0		26					29			57	98
3485771	0	1	1 DRVR				INJC	70	2 OR-Y	OR<25	0		0					- 0			57	98

			INVSTG_A	.GY CRASH_SI	PEE					LANE RDWY			C	RASH_HR_									HWY_COMPN					
CRASH_I			_SHORT_D	DES D_INVLV_	_FL A	LCHL_IN I	DRUG_IN MJ_IN\	L SCHL	ZO WRK_Z	O DPRT CRASH	UNLOCT		CRASH_W SI	HORT_DES		CITY_SECT	URB_AREA_SHOR			RDWY_N		HWY_CO	T_SHORT_DE	MLGE_TY	RD_CON			
D IN	T_ID :	SER_NO	C	G	٧	LV_FLG '	VLV_FLG V_FLG	NE_I	D NE_INI	FLG	FLG	CRASH_DT	K_DAY_CD C		CNTY_NM	_NM	T_NM	HWY_NO	HWY_MED_NM	0	FC_CD	MPNT_CD	SC	P_CD	_NO	LRS VAL	MP_NO	ST_NO
1584675	3	36	81 NONE		0	0	0		0	0 N	FALSE	7/1/2014	3 6	Α '	Washington	Sherwood	PORTLAND UA				1	6						1503
1584675	3	36	81 NONE		0	0	0		0	0 N	FALSE	7/1/2014	3 6	Α	Washington	Sherwood	PORTLAND UA				1	6						1503
1775624	3	2:	28 CITY		0	0	0		0	0 N	FALSE	1/15/2018	2 2	Α '	Washington	Sherwood	PORTLAND UA				1	6						1503
1785942	3	17	56 CITY		0	0	0		0	0 N	FALSE	4/10/2018	3 51	P	Washington	Sherwood	PORTLAND UA				1	6						1503
1785942	3	17	56 CITY		0	0	0		0	0 N	FALSE	4/10/2018	3 51	P	Washington	Sherwood	PORTLAND UA				1	6						1503
1584675	3	36	81 NONE		0	0	0		0	0 N	FALSE	7/1/2014	3 6	A	Washington	Sherwood	PORTLAND UA				1	6						1503
1584675	3	36	81 NONE		0	0	0		0	0 N	FALSE	7/1/2014	3 6	Α '	Washington	Sherwood	PORTLAND UA				1	6						1503
1775624	3	2:	28 CITY		0	0	0		0	0 N	FALSE	1/15/2018	2 2	A	Washington	Sherwood	PORTLAND UA				1	6						1503
1785942	3	17	56 CITY		0	0	0		0	0 N	FALSE	4/10/2018	3 51	P	Washington	Sherwood	PORTLAND UA				1	6						1503
1785942	3	17	56 CITY		0	0	0		0	0 N	FALSE	4/10/2018	3 51	P	Washington	Sherwood	PORTLAND UA		· ·		1	6						1503

			RD_CHAR_		CMPSS_DI			MEDN_TYP				TRAF_CNTL_DE					OND RD_SURF_S				CRASH_SVRT		
	ISECT_ST_				CMPSS_DIR _SHORT_E							VICE_SHORT_D					DES HORT_DES	SHORT_DES			Y_SHORT_DE	VNT_1_C	VNT_2_C
ST_NM	NO ISECT_ST_NM	R_CD	С	DIR_CD	_FROM_CD_SC	OC_CD	С	SC	EG_QTY	LN_QTY	L_FLG	ESC	WY_FLG	_FLG	REL_FLG	С	С	С	SHORT_DES	c sc	sc	D	D
SW MURDOCK RD	1803 SW OREGON ST	1	INTER		S		6 3-LEG		()		0 YIELD	0			CLR	DRY	DAY	S-1STOP	REAR	PDO		
SW MURDOCK RD	1803 SW OREGON ST	1	INTER	ć	S		6 3-LEG		()		0 YIELD	0			CLR	DRY	DAY	S-1STOP	REAR	PDO		
SW MURDOCK RD	1803 SW OREGON ST	1	INTER	9	CN		2 3-LEG)		0 UNKNOWN	1	:		CLR	DRY	DLIT	FIX OBJ	FIX	INJ	50	
SW MURDOCK RD	1803 SW OREGON ST	1	INTER	9	CN		2 3-LEG		()		0 YIELD	0			CLD	DRY	DAY	ANGL-OTH	ANGL	INJ		
SW MURDOCK RD	1803 SW OREGON ST	1	INTER	9	CN		2 3-LEG)		0 YIELD	0			CLD	DRY	DAY	ANGL-OTH	ANGL	INJ		
SW MURDOCK RD	1803 SW OREGON ST	1	INTER	í	s s		6 3-LEG		()		0 YIELD	0	- :		CLR	DRY	DAY	S-1STOP	REAR	PDO		
SW MURDOCK RD	1803 SW OREGON ST	1	INTER	į,	S		6 3-LEG)		0 YIELD	0			CLR	DRY	DAY	S-1STOP	REAR	PDO		
SW MURDOCK RD	1803 SW OREGON ST	1	INTER	9	CN		2 3-LEG		()		0 UNKNOWN	1			CLR	DRY	DLIT	FIX OBJ	FIX	INJ	50	
SW MURDOCK RD	1803 SW OREGON ST	1	INTER	9	CN		2 3-LEG		()		0 YIELD	0	:		CLD	DRY	DAY	ANGL-OTH	ANGL	INJ		
SW MURDOCK RD	1803 SW OREGON ST	1	INTER	9	CN		2 3-LEG		()		0 YIELD	0	- :		CLD	DRY	DAY	ANGL-OTH	ANGL	INJ		

CRASH_E			LA	Т	LAT									VHCL_COD		VHCL_USE		VHCL_OWNS	VHCL_MVMN	VHCL_CMPSS_DI	VHCL_CMPSS_D						
VNT_3_C	CRASH_CA CRASH_	CA C	CRASH_CA DE	G	MINUTE			LONGTD	LONGTD	LONGTD			STRIKG_V	ED_SEQ_N	VHCL_TYP_SH	SHORT_DE	TRLR_QT	HP_SHORT_D	T_SHORT_DE	R_FROM_SHORT	IR_TO_SHORT_	VHCL_AC	VHCL_EV	VHCL_EV	VHCL_EV	VHCL_CA VHCL_CA	VHCL_CA
D	USE_1_CD USE_2_	CD L	USE_3_CD NC)	NO	LAT SEC NO	LAT	DEG NO	MINUTE NO	SEC NO	LONG	VHCL_ID	HCL_FLG	0	ORT_DESC	С	Υ	ESC	sc	_DESC	DESC	TN_CD	NT_1_CD	NT_2_CD	NT_3_CD	USE_1_CD USE_2_CI	D USE_3_CD
	7			45	21	37.46	45.3604055	6 -122	49	30.64	-122.8251778	2992811	1	1	PSNGR CAR	NONE	0	PRVTE	STRGHT	S	N					0	
	7			45	21	37.46	45.3604055	6 -122	49	30.64	-122.8251778	2992812	0	2	PSNGR CAR	NONE	0	PRVTE	STOP	S	N	11	l l			0	
	16	32		45	21	37.46	45.3604055	6 -122	49	30.64	-122.8251778	3346553	1	1	PSNGR CAR	NONE	0	PRVTE	STRGHT	E	W	(50			0	
	2			45	21	37.46	45.3604055	6 -122	49	30.64	-122.8251778	3365953	1	1	PSNGR CAR	NONE	0	PRVTE	STRGHT	S	N	()			0	
	2			45	21	37.46	45.3604055	6 -122	49	30.64	-122.8251778	3365954	0	2	PSNGR CAR	NONE	0	RENTL	STRGHT	E	w	(0	
	7			45	21	37.46	45.3604055	6 -122	49	30.64	-122.8251778	2992811	1	1	PSNGR CAR	NONE	0	PRVTE	STRGHT	S	N	(0	
	7			45	21	37.46	45.3604055	6 -122	49	30.64	-122.8251778	2992812	0	2	PSNGR CAR	NONE	0	PRVTE	STOP	S	N	11				0	
	16	32		45	21	37.46	45.3604055	6 -122	49	30.64	-122.8251778	3346553	1	1	PSNGR CAR	NONE	0	PRVTE	STRGHT	E	w		50			0	
	2			45	21	37.46	45.3604055	6 -122	49	30.64	-122.8251778	3365953	1	1	PSNGR CAR	NONE	0	PRVTE	STRGHT	S	N	(0	
	2			45	21	37.46	45.3604055	6 -122	49	30.64	-122.8251778	3365954	0	2	PSNGR CAR	NONE	0	RENTL	STRGHT	E	w					0	

				PARTIC_TYP	PARTIC_MVM	PARTIC_CMPSS_D	PARTIC_CMPSS_	INJ_SVRTY_			DRVR_LIC_S	DRVR_RES_		NON_MOTRST						PARTIC_C P.	ARTIC_C	PARTIC_C		
PARTIC_	STRIKG_P	PARTIC_V	H PARTIC_	T _SHORT_DE	NT_SHORT_D	IR_FROM_SHORT	DIR_TO_SHORT_	SHORT_DES	AGE_VA		AT_SHORT_I	SHORT_DES	PARTIC_A	_LOC_SHORT_	PARTIC_E F	PARTIC_E	PARTIC_E PARTIC_E	PARTIC_E	PARTIC_E	AUSE_1_C A	USE_2_C	AUSE_3_C	TOTAL_C T	FOTAL_R
D	ARTIC_FL	G CL_SEQ_N	IO YP_CD	SC	ESC	_DESC	DESC	С	L	SEX_CD	ESC	С	CTN_CD	DESC	RR_1_CD F	RR_2_CD	RR_3_CD VNT_1_CD	VNT_2_CD	VNT_3_CD	D D		D	RASHES C	ows
341483		0	1	1 DRVR				NONE	50) 2	OR-Y	OR<25	0		26					7			51	120
341484		0	1	1 DRVR				NONE	39	9 2	OR-Y	OR<25	0		0					0			51	120
381148		0	1	1 DRVR				INJC	19	9 2	OR-Y	OR<25	25		81	52				16	32		51	120
383595		0	1	1 DRVR				INJC	22	2 2	OR-Y	OR<25	0		0					0			51	120
383595		0	1	1 DRVR				NONE	21	1	OR-Y	OR>25	0		28					2			51	120
341483		0	1	1 DRVR				NONE	50) 2	OR-Y	OR<25	0		26					7			9	19
341484		0	1	1 DRVR				NONE	39	9 2	OR-Y	OR<25	0		0					0			9	19
381148		0	1	1 DRVR				INJC	19) 2	OR-Y	OR<25	25		81	52				16	32		9	19
383595		0	1	1 DRVR				INJC	22	2 2	OR-Y	OR<25	0		0					0			9	19
383595		0	1	1 DRVR				NONE	21	1 1	OR-Y	OR>25	0		28					2			9	19

4. Sunset & Murdock

INVSTG_AGY_CRASH_SPEE								LANE RDWY			CRASH_HR_						HWY_COMPN								
CRASH_I			_SHORT_DES	D_INVLV_FL	ALCHL_IN	DRUG_IN MJ_INVL	SCHL_ZC	WRK_ZO DPRT CRASH	UNLOCT		CRASH_W SHORT_DES		CITY_SECT	URB_AREA_SHOR			RDWY_N		HWY_CO	T_SHORT_DE I	MLGE_TY	RD_CON			
D IN	T_ID S	SER_NO	С	G	VLV_FLG	VLV_FLG V_FLG	NE_IND	NE_IND FLG	FLG	CRASH_DT	K_DAY_CD C	CNTY_NM	_NM	T_NM	HWY_NO	HWY_MED_NM	0	FC_CD	MPNT_CD	SC I	_CD	_NO	LRS VAL	MP_NO	ST_NO
1732159	4	3869	CITY	0	0	0		0 0 N	FALSE	6/27/2017	3 4P	Washington	Sherwood	PORTLAND UA				1	6						1503
1732159	4	3869	CITY	0	0	0		0 0 N	FALSE	6/27/2017	3 4P	Washington	Sherwood	PORTLAND UA				1	6						1503
1732159	4	3869	CITY	0	0	0		0 0 N	FALSE	6/27/2017	3 4P	Washington	Sherwood	PORTLAND UA				1	6						1503
1732159	4	3869		0	0	0		0 0 N	FALSE	6/27/2017	3 4P	Washington	Sherwood	PORTLAND UA				1	6						1503
1732159	4	3869	CITY	0	0	0		0 0 N	FALSE	6/27/2017	3 4P	Washington	Sherwood	PORTLAND UA				1	6						1503
1750127	4	6072	CITY	0	0	0		0 0 N	FALSE	9/30/2017	7 1P	Washington	Sherwood	PORTLAND UA				1	6						1503
1750127	4	6072	CITY	0	0	0		0 0 N	FALSE	9/30/2017	7 1P	Washington	Sherwood	PORTLAND UA				1	6						1503
1732159	4	3869	CITY	0	0	0		0 0 N	FALSE	6/27/2017	3 4P	Washington	Sherwood	PORTLAND UA				1	6						1503
1732159	4	3869	CITY	0	0	0		0 0 N	FALSE	6/27/2017	3 4P	Washington	Sherwood	PORTLAND UA				1	6						1503
1732159	4	3869		0	0	0		0 0 N	FALSE	6/27/2017	3 4P	Washington	Sherwood	PORTLAND UA				1	6						1503
1732159	4	3869	CITY	0	0	0		0 0 N	FALSE	6/27/2017	3 4P	Washington	Sherwood	PORTLAND UA				1	6						1503
1732159	4	3869	CITY	0	0	0		0 0 N	FALSE	6/27/2017	3 4P	Washington	Sherwood	PORTLAND UA				1	6						1503
1750127	4	6072	CITY	0	0	0		0 0 N	FALSE	9/30/2017	7 1P	Washington	Sherwood	PORTLAND UA				1	6						1503
1750127	4	6072	CITY	0	0	0		0 0 N	FALSE	9/30/2017	7 1P	Washington	Sherwood	PORTLAND UA				1	6						1503

4. Sunset & Murdock

			RD_CHAR_	_	CMPSS_DIR			ISECT_TYP_	MEDN_TYP			TRAF_CNTL_DE					WTHR_CO	ND RD_SURF_S	COLLIS_TYP CRASH_SVRT CRASH_E CRASH_E					
	ISECT_ST_	RD_CHA	SHORT_DE	S CMPSS_	CMPSS_DIR	_SHORT_DE	IMPCT_L	SHORT_DES	S _SHORT_DE	TURNG_L		ISECT_F	E VICE_SHORT_E	O OFF_RD	RNDABT	DRVWY_	_SHORT_D	ES HORT_DES	SHORT_DE	S CRASH_TYP	SHORT_I	DE Y_SHORT_D	E VNT_1	_C VNT_2_0
ST_NM	NO ISECT_ST_NM	R_CD	С	DIR_CD	_FROM_CD	sc	OC_CD	С	SC	EG_QTY	LN_QTY	L_FLG	ESC	WY_FLG	_FLG	REL_FLG	С	С	С	SHORT_DES	C SC	sc	D	D
MURDOCK RD	2205 SUNSET BLVD	1	INTER	1		N	- 6	6 CROSS)		0 STOP SIGN			0	CLR	DRY	DAY	S-1STOP	REAR	INJ		
MURDOCK RD	2205 SUNSET BLVD	1	INTER	1		N		6 CROSS		()		0 STOP SIGN			0	CLR	DRY	DAY	S-1STOP	REAR	INJ		
MURDOCK RD	2205 SUNSET BLVD	1	INTER	1		N		6 CROSS)		0 STOP SIGN			0	CLR	DRY	DAY	S-1STOP	REAR	INJ		
MURDOCK RD	2205 SUNSET BLVD	1	INTER	1		N		6 CROSS		()		0 STOP SIGN			0	CLR	DRY	DAY	S-1STOP	REAR	INJ		
MURDOCK RD	2205 SUNSET BLVD	1	INTER	1		N		6 CROSS)		0 STOP SIGN			0	CLR	DRY	DAY	S-1STOP	REAR	INJ		
MURDOCK RD	2205 SUNSET BLVD	1	INTER	1		N		6 CROSS		()		0 STOP SIGN			0	CLD	WET	DAY	S-1STOP	REAR	PDO	T	
MURDOCK RD	2205 SUNSET BLVD	1	INTER	3		N		6 CROSS)		0 STOP SIGN			0	CLD	WET	DAY	S-1STOP	REAR	PDO		
MURDOCK RD	2205 SUNSET BLVD	1	INTER	1		N		6 CROSS)		0 STOP SIGN			0	CLR	DRY	DAY	S-1STOP	REAR	INJ		
MURDOCK RD	2205 SUNSET BLVD	1	INTER	1		N		6 CROSS)		0 STOP SIGN			0	CLR	DRY	DAY	S-1STOP	REAR	INJ		
MURDOCK RD	2205 SUNSET BLVD	1	INTER	1		N		6 CROSS		()		0 STOP SIGN			0	CLR	DRY	DAY	S-1STOP	REAR	INJ		
MURDOCK RD	2205 SUNSET BLVD	1	INTER	1		N		6 CROSS)		0 STOP SIGN			0	CLR	DRY	DAY	S-1STOP	REAR	INJ		
MURDOCK RD	2205 SUNSET BLVD	1	INTER	1		N	- 6	6 CROSS					0 STOP SIGN			0	CLR	DRY	DAY	S-1STOP	REAR	INJ		
MURDOCK RD	2205 SUNSET BLVD	1	INTER	1		N		6 CROSS					0 STOP SIGN			0	CLD	WET	DAY	S-1STOP	REAR	PDO		
MURDOCK RD	2205 SUNSET BLVD	1	INTER	1		N		6 CROSS		()		0 STOP SIGN			0	CLD	WET	DAY	S-1STOP	REAR	PDO		

4. Sunset & Murdock

CRASH_E			LA	Т	LAT									VHCL_COD		VHCL_USE	E	VHCL_OWNS	VHCL_MVMN	VHCL_CMPSS_D	VHCL_CMPSS_D					
VNT_3_C	CRASH_CA CR	RASH_CA	CRASH_CA DE	G	MINUTE			LONGTD	LONGTD LO	ONGTD			STRIKG_V	ED_SEQ_N	VHCL_TYP_SH	SHORT_D	ES TRLR_QT	HP_SHORT_D	T_SHORT_DE	R_FROM_SHOR	IR_TO_SHORT_	VHCL_AC VHC	_EV VHCL_EV	VHCL_EV	VHCL_CA VHCL_	CA VHCL_CA
D	USE_1_CD US	SE_2_CD I	JSE_3_CD NO)	NO L	AT SEC NO	LAT	DEG NO	MINUTE NO SI	EC NO	LONG	VHCL_ID	HCL_FLG	0	ORT_DESC	С	Υ	ESC	SC	_DESC	DESC	TN_CD NT_:	_CD NT_2_CD	NT_3_CD	USE_1_CD USE_2	_CD USE_3_CD
	7			45	20	58.65	45.34962	-122	2 49	36.96	-122.8269333	3267662	1	1	PSNGR CAR	NONE	0	PRVTE	STRGHT	N	S	0			0	
	7			45	20	58.65	45.34962	-12	2 49	36.96	-122.8269333	3267663	C	2	PSNGR CAR	NONE	0	PRVTE	STOP	N	S	11			0	
	7			45	20	58.65	45.34962	-122	2 49	36.96	-122.8269333	3267663	C	2	PSNGR CAR	NONE	0	PRVTE	STOP	N	S	11			0	
	7			45	20	58.65	45.34962	5 -122	2 49	36.96	-122.8269333	3267663	C	2	PSNGR CAR	NONE	0	PRVTE	STOP	N	S	11			0	
	7			45	20	58.65	45.34962	-12	2 49	36.96	-122.8269333	3267663	C	2	PSNGR CAR	NONE	0	PRVTE	STOP	N	S	11			0	
	29			45	20	58.65	45.34962	5 -122	2 49	36.96	-122.8269333	3301472	1	1	PSNGR CAR	NONE	9	N/A	STRGHT	N	S	0			0	
	29			45	20	58.65	45.34962	-122	2 49	36.96	-122.8269333	3301473	C	2	TRUCK	NONE	9	N/A	STOP	N	S	11			0	
	7			45	20	58.65	45.34962	-12	2 49	36.96	-122.8269333	3267662	1	1	PSNGR CAR	NONE	0	PRVTE	STRGHT	N	S	0			0	
	7			45	20	58.65	45.34962	-122	2 49	36.96	-122.8269333	3267663	C	2	PSNGR CAR	NONE	0	PRVTE	STOP	N	S	11			0	
	7			45	20	58.65	45.34962	5 -122	2 49	36.96	-122.8269333	3267663	C	2	PSNGR CAR	NONE	0	PRVTE	STOP	N	S	11			0	
	7			45	20	58.65	45.34962	-12	2 49	36.96	-122.8269333	3267663	C	2	PSNGR CAR	NONE	0	PRVTE	STOP	N	S	11			0	
	7			45	20	58.65	45.34962	5 -122	2 49	36.96	-122.8269333	3267663	C	2	PSNGR CAR	NONE	0	PRVTE	STOP	N	S	11			0	
	29			45	20	58.65	45.34962	-12	2 49	36.96	-122.8269333	3301472	1	1	PSNGR CAR	NONE	9	N/A	STRGHT	N	S	0			0	
	29			45	20	58.65	45.34962	5 -122	2 49	36.96	-122.8269333	3301473	C	2	TRUCK	NONE	9	N/A	STOP	N	S	11			0	

4. Sunset & Murdock

				PARTIC_TYP	PARTIC_MVM	PARTIC_CMPSS_D	PARTIC_CMPSS_	INJ_SVRTY_			DRVR_LIC_ST	DRVR_RES		NON_MOTRST						PARTIC_C	PARTIC_C	PARTIC_C		
PARTIC_I ST	RIKG_P I	ARTIC_VH	PARTIC_T	_SHORT_DE	NT_SHORT_D	IR_FROM_SHORT	DIR_TO_SHORT_	SHORT_DES	AGE_VA		AT_SHORT_D	SHORT_DES	PARTIC_A	_LOC_SHORT_	PARTIC_E PARTIC_	E PARTIC_E PA	ARTIC_E PA	RTIC_E F	PARTIC_E	AUSE_1_C	AUSE_2_C	AUSE_3_C	TOTAL_C	TOTAL_R
D AF	RTIC_FLG (L_SEQ_NO	YP_CD	SC	ESC	_DESC	DESC	С	L	SEX_CD	ESC	С	CTN_CD	DESC	RR_1_CD RR_2_C	D RR_3_CD VI	NT_1_CD V	IT_2_CD \	VNT_3_CD	D	D	D	RASHES	ows
3725574	0	1	. 1	DRVR				NONE	19	9 2	2 OR-Y	OR<25	0		43					7			9	19
3725575	0	1	. 1	DRVR				INJC	29	9 2	2 OR-Y	OR<25	0		0					0			9	19
3725576	0	2	2	PSNG				INJC	:	1	1		0		0					0			9	19
3725577	0	3	2	PSNG				INJC		5 2	2		0		0					0			9	19
3725578	0	4	. 2	PSNG				INJC	;	3 1	1		0		0					0			9	19
3767260	0	1	. 1	DRVR				NONE	() 9	UNK	UNK	0		0					0			9	19
3767261	0	1	1	DRVR				NONE	() 9	UNK	UNK	0		0					0			9	19
3725574	0	1	. 1	DRVR				NONE	19	9 2	2 OR-Y	OR<25	0		43					7			55	127
3725575	0	1	. 1	DRVR				INJC	25	2	OR-Y	OR<25	0		0					0			55	127
3725576	0	2	2	PSNG				INJC		1 1	1		0		0					0			55	127
3725577	0	3	2	PSNG				INJC		5 2	2		0		0					0			55	127
3725578	0	4	. 2	PSNG				INJC		3 1	1		0		0					0			55	127
3767260	0	1	1	DRVR				NONE) 9	UNK	UNK	0		0					0			55	127
3767261	0	1	1	DRVR				NONE		9	UNK	UNK	0		0					0			55	127

Appendix F Signal Warrant Worksheets



Traffic Signal Warrant Analysis

20092 - Polley Industrial TIS Project:

5/23/2022 Date:

Scenario: Year 2023 Buildout Conditions

SW Tonquin Road Major Street: SW Oregon Street Minor Street:

1 Number of Lanes: 1 Number of Lanes:

PM Peak PM Peak

1062 416 Hour Volumes: Hour Volumes:

Warrant Used:

100 percent of standard warrants used

70 percent of standard warrants used due to 85th percentile speed in excess

of 40 mph or isolated community with population less than 10,000.

St. croach)
70%
<u>arrants</u>
1,850
1,850
2,500
2,500
950
950
1,250
1,250
1

Note: ADT volumes assume 8th highest hour is 5.6% of the daily volume

	Approach	Minimum	Is Signal
	Volumes	Volumes	Warrant Met?
Warrant 1			
Condition A: Minimum Vehicular Volume	e		
Major Street	10,620	8,850	
Minor Street*	4,160	2,650	Yes
Condition B: Interruption of Continuous	Traffic		
Major Street	10,620	13,300	
Minor Street*	4,160	1,350	No
Combination Warrant			
Major Street	10,620	10,640	
Minor Street*	4,160	2,120	No

^{*} Minor street right-turning traffic volumes reduced by 25%



Traffic Signal Warrant Analysis

Project: 20092 - Polley Industrial TIS

Date: 5/23/2022

Scenario: Year 2023 Buildout Conditions

Major Street: SW Murdock Road Minor Street: SW Sunset Boulevard

Number of Lanes: 1 Number of Lanes: 1

PM Peak Hour Volumes: PM Peak Hour Volumes: 247

Warrant Used:

X 100 percent of standard warrants used
 70 percent of standard warrants used due to 85th percentile speed in excess

of 40 mph or isolated community with population less than 10,000.

Number of Lanes for Moving			Major St.	ADT on Minor St.			
Traffic or	n Each Approach:	(total of both	approaches)	(higher-volun	ne approach)		
WARRANT 1, CO	NDITION A	100%	70%	100%	70%		
<u>Major St.</u>	Minor St.	<u>Warrants</u>	<u>Warrants</u>	<u>Warrants</u>	<u>Warrants</u>		
1	1	8,850	6,200	2,650	1,850		
2 or more	1	10,600	7,400	2,650	1,850		
2 or more	2 or more	10,600	7,400	3,550	2,500		
1	2 or more	8,850	6,200	3,550	2,500		
WARRANT 1, CO	NDITION B						
1	1	13,300	9,300	1,350	950		
2 or more	1	15,900	11,100	1,350	950		
2 or more	2 or more	15,900	11,100	1,750	1,250		
1	2 or more	13,300	9,300	1,750	1,250		

Note: ADT volumes assume 8th highest hour is 5.6% of the daily volume

	Approach	Minimum	Is Signal
	Volumes	Volumes	Warrant Met?
Warrant 1			
Condition A: Minimum Vehicular Volur	me		
Major Street	9,730	8,850	
Minor Street*	2,470	2,650	No
Condition B: Interruption of Continuou	s Traffic		
Major Street	9,730	13,300	
Minor Street*	2,470	1,350	No
Combination Warrant			
Major Street	9,730	10,640	
Minor Street*	2,470	2,120	No

^{*} Minor street right-turning traffic volumes reduced by 25%



Traffic Signal Warrant Analysis

Project: 20092 - Polley Industrial TIS

Date: 5/23/2022

Scenario: Year 2023 Buildout Conditions

Major Street: SW Oregon Street Minor Street: Site Access

Number of Lanes: 1 Number of Lanes: 1

PM Peak PM Peak

Hour Volumes: 981 FM Feak 57

Warrant Used:

X 100 percent of standard warrants used

70 percent of standard warrants used due to 85th percentile speed in excess

of 40 mph or isolated community with population less than 10,000.

Number of	f Lanes for Moving	ADT on	Major St.	ADT on	Minor St.
Traffic or	n Each Approach:	(total of both	approaches)	(higher-volun	ne approach)
WARRANT 1, CO	NDITION A	100%	70%	100%	70%
<u>Major St.</u>	Minor St.	<u>Warrants</u>	<u>Warrants</u>	<u>Warrants</u>	<u>Warrants</u>
1	1	8,850	6,200	2,650	1,850
2 or more	1	10,600	7,400	2,650	1,850
2 or more	2 or more	10,600	7,400	3,550	2,500
1	2 or more	8,850	6,200	3,550	2,500
WARRANT 1, CO	NDITION B				
1	1	13,300	9,300	1,350	950
2 or more	1	15,900	11,100	1,350	950
2 or more	2 or more	15,900	11,100	1,750	1,250
1	2 or more	13,300	9,300	1,750	1,250

Note: ADT volumes assume 8th highest hour is 5.6% of the daily volume

	Approach Volumes	Minimum Volumes	Is Signal Warrant Met?
Warrant 1			
Condition A: Minimum Vehicular Volur	me		
Major Street	9,810	8,850	
Minor Street*	570	2,650	No
Condition B: Interruption of Continuou	s Traffic		
Major Street	9,810	13,300	
Minor Street*	570	1,350	No
Combination Warrant			
Major Street	9,810	10,640	
Minor Street*	570	2,120	No

^{*} Minor street right-turning traffic volumes reduced by 25%



Appendix G Left Turn Lane Warrant Worksheets



Left-Turn Lane Warrant Analysis



Project: 20092 - Polley Industrial TIS
Intersection: 5. SW Oregon Street & Site Access

Date: 5/23/2022

Scenario: Year 2023 Buildout Conditions - AM Peak Hour (WB)

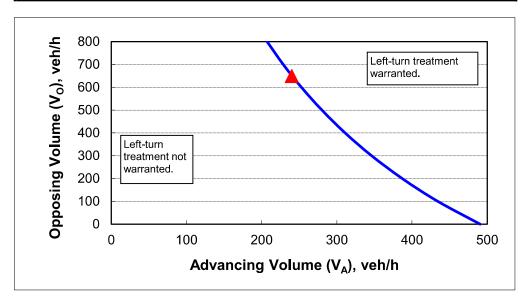
2-lane roadway (English)

INPUT

Variable	Value
85 th percentile speed, mph:	35
Percent of left-turns in advancing volume (V _A), %:	17%
Advancing volume (V _A), veh/h:	240
Opposing volume (V_O), veh/h:	649

OUTPUT

Variable	Value				
Limiting advancing volume (V _A), veh/h:	241				
Guidance for determining the need for a major-road left-turn bay:					
Left-turn treatment NOT warranted.					



CALIBRATION CONSTANTS

Variable	Value
Average time for making left-turn, s:	3.0
Critical headway, s:	5.0
Average time for left-turn vehicle to clear the advancing lane, s:	1.9

Left-Turn Lane Warrant Analysis



Project: 20092 - Polley Industrial TIS
Intersection: 5. SW Oregon Street & Site Access

Date: 5/23/2022

Scenario: Year 2023 Buildout Conditions - PM Peak Hour (WB)

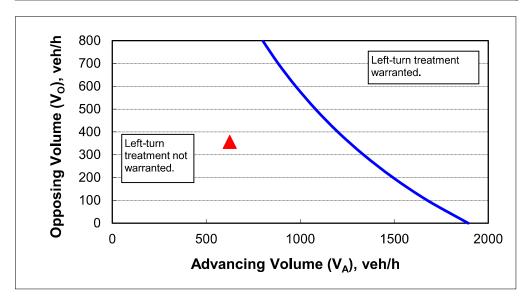
2-lane roadway (English)

INPUT

Variable	Value
85 th percentile speed, mph:	35
Percent of left-turns in advancing volume (V _A), %:	1%
Advancing volume (V _A), veh/h:	625
Opposing volume (V_O), veh/h:	356

OUTPUT

Variable	Value				
Limiting advancing volume (V _A), veh/h:	1258				
Guidance for determining the need for a major-road left-turn bay:					
Left-turn treatment NOT warranted.					



CALIBRATION CONSTANTS

Variable	Value
Average time for making left-turn, s:	3.0
Critical headway, s:	5.0
Average time for left-turn vehicle to clear the advancing lane, s:	1.9

Appendix H
LOS Definition





LEVEL OF SERVICE

Level of service is used to describe the quality of traffic flow. Levels of service A to C are considered good, and rural roads are usually designed for level of service C. Urban streets and signalized intersections are typically designed for level of service D. Level of service E is considered to be the limit of acceptable delay. For unsignalized intersections, level of service E is generally considered acceptable. Here is a more complete description of levels of service:

Level of service A: Very low delay at intersections, with all traffic signal cycles clearing and no vehicles waiting through more than one signal cycle. On highways, low volume and high speeds, with speeds not restricted by other vehicles.

Level of service B: Operating speeds beginning to be affected by other traffic; short traffic delays at intersections. Higher average intersection delay than for level of service A resulting from more vehicles stopping.

Level of service C: Operating speeds and maneuverability closely controlled by other traffic; higher delays at intersections than for level of service B due to a significant number of vehicles stopping. Not all signal cycles clear the waiting vehicles. This is the recommended design standard for rural highways.

Level of service D: Tolerable operating speeds; long traffic delays occur at intersections. The influence of congestion is noticeable. At traffic signals many vehicles stop, and the proportion of vehicles not stopping declines. The number of signal cycle failures, for which vehicles must wait through more than one signal cycle, are noticeable. This is typically the design level for urban signalized intersections.

Level of service E: Restricted speeds, very long traffic delays at traffic signals, and traffic volumes near capacity. Flow is unstable so that any interruption, no matter how minor, will cause queues to form and service to deteriorate to level of service F. Traffic signal cycle failures are frequent occurrences. For unsignalized intersections, level of service E or better is generally considered acceptable.

Level of service F: Extreme delays, resulting in long queues which may interfere with other traffic movements. There may be stoppages of long duration, and speeds may drop to zero. There may be frequent signal cycle failures. Level of service F will typically result when vehicle arrival rates are greater than capacity. It is considered unacceptable by most drivers.



LEVEL OF SERVICE CRITERIA FOR SIGNALIZED INTERSECTIONS

LEVEL	CONTROL DELAY
OF	PER VEHICLE
SERVICE	(Seconds)
A	<10
В	10-20
С	20-35
D	35-55
Е	55-80
F	>80

LEVEL OF SERVICE CRITERIA FOR UNSIGNALIZED INTERSECTIONS

LEVEL	CONTROL DELAY
OF	PER VEHICLE
SERVICE	(Seconds)
A	<10
В	10-15
С	15-25
D	25-35
Е	35-50
F	>50

Appendix I Capacity Worksheets



05/28/2021

Novement		>	→	*	•	-	*	4	†	-	/		4
Traffic Volume (veh/h)	Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Future Volume (vehrh)	Lane Configurations		†	7	- 1	₽			4	7		4	
Initial C (Ob), veh	Traffic Volume (veh/h)	8	766	158	125	583	0	79	4	316	4	0	0
Ped-Bike Adji(A_pbT)	Future Volume (veh/h)	8	766	158	125	583	0	79	4	316	4	0	0
Parking Bus, Adj		0	0	0	0	0	0	0	0	0	0	0	0
Work Zone On Áppreach	Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Adj Sat Flow, veh/hln	Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Flow Rate, veh/h Peak Hour Factor 0.96 0.96 0.96 0.96 0.96 0.96 0.96 0.96	Work Zone On Approach		No			No			No			No	
Peak Hour Factor 0.96 0.96 0.96 0.96 0.96 0.96 0.96 0.96	Adj Sat Flow, veh/h/ln	1767	1767	1767	1663	1663	1663	1796	1796	1796	1530	1530	1530
Percent Heavy Veh, % 9 9 9 9 16 16 16 16 7 7 7 7 25 25 25 25 Cap, veh/h 372 934 792 255 964 0 401 17 438 253 0 0 0 0.00 Arrive On Green 0.0.1 0.53 0.53 0.06 0.58 0.00 0.23 0.23 0.23 0.23 0.00 0.00 Sat Flow, veh/h 1682 1767 1497 1584 1663 0 1367 77 1522 702 0 0 0.00 Gry Volume(v), veh/h 8 798 165 130 607 0 86 0 329 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Adj Flow Rate, veh/h	8	798	165	130	607	0	82	4	329	4	0	0
Cap, veh/h 372 934 792 265 964 0 401 17 438 253 0 0 Arrive On Green 0.01 0.53 0.53 0.06 0.58 0.00 0.23 0.23 0.23 0.23 0.00 0.00 Sat Flow, veh/h 1682 1767 1497 1584 1663 0 1367 77 1522 702 0 0 Gry Volume(w), veh/h 8 798 165 130 607 0 86 0 329 4 0 0 Gry Sat Flow(s), veh/h/ln 1682 1767 1497 1584 1663 0 1444 0 1522 702 0 0 OScyle Q Clear(c), esh/h 372 296 4.4 2.6 18.4 0.0 0.0 1.00 1.00 0.0 VCR Patio(X) 0 0 2.9 265 964 0 419 0 438 253	Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Arrive On Green 0.01 0.53 0.53 0.06 0.58 0.00 0.23 0.23 0.23 0.23 0.00 0.00 Sat Flow, veh/h 1682 1767 1497 1584 1663 0 1367 77 1522 702 0 0 0 Gry Volume(v), veh/h 8 798 165 130 607 0 86 0 329 4 0 0 0 Gry Sat Flow(s), veh/h/h 1682 1767 1497 1584 1663 0 1444 0 1522 702 0 0 0 Gry Sat Flow(s), veh/h/h/h 1682 1767 1497 1584 1663 0 1444 0 1522 702 0 0 0 Q Serve(g_s), s 0.2 29.6 4.4 2.6 18.4 0.0 0.0 0.0 0.0 15.0 0.3 0.0 0.0 Cycle Q Clear(g_c), s 0.2 29.6 4.4 2.6 18.4 0.0 0.0 0.0 15.0 0.3 0.0 0.0 Cycle Q Clear(g_c), s 0.2 29.6 4.4 2.6 18.4 0.0 0.0 0.0 15.0 3.4 0.0 0.0 Prop In Lane 1.00 1.00 1.00 0.00 0.95 1.00 1.00 0.00 Lane Gry Cap(c), veh/h 372 934 792 265 964 0 419 0 438 253 0 0 0 0 V.C Ratio(X) 0.02 0.85 0.21 0.49 0.63 0.00 0.21 0.00 0.75 0.02 0.00 0.00 V.C Ratio(X) 0.02 0.85 0.21 0.49 0.63 0.00 0.21 0.00 0.75 0.02 0.00 0.00 0.00 V.C Ratio(X) 0.02 0.85 0.21 0.49 0.63 0.00 0.21 0.00 0.75 0.02 0.00 0.00 0.00 0.00 0.00 0.00 0.0	Percent Heavy Veh, %	9	9	9	16	16	16	7	7	7	25	25	25
Sat Flow, veh/h 1682 1767 1497 1584 1663 0 1367 77 1522 702 0 0 Grp Volume(v), veh/h 8 798 165 130 607 0 86 0 329 4 0 0 Grp Sat Flow(s), veh/h/h 1682 1767 1497 1584 1663 0 1444 0 1522 702 0 0 Q Serve(g.s), s 0.2 29.6 4.4 2.6 18.4 0.0 0.0 0.5 1.00 1.00 0.0 Cycle Q Clear(g.c), s 0.2 29.6 4.4 2.6 18.4 0.0 3.1 0.0 15.0 3.4 0.0 0.0 Prop In Lane 1.00 1.00 1.00 1.00 0.0 0.95 1.00 1.0 0.0 Lane Grp Cap(c), veh/h 487 372 934 792 265 964 0 418 0 503 290	Cap, veh/h	372	934	792	265	964	0	401	17	438	253	0	0
Sat Flow, veh/h 1682 1767 1497 1584 1663 0 1367 77 1522 702 0 0 Grp Volume(v), veh/h 8 798 165 130 607 0 86 0 329 4 0 0 Grp Sat Flow(s), veh/h/h 1682 1767 1497 1584 1663 0 1444 0 1522 702 0 0 Q Serve(g.s), s 0.2 29.6 4.4 2.6 18.4 0.0 0.0 0.5 0.0 0.0 0.0 Cycle Q Clear(g.c), s 0.2 29.6 4.4 2.6 18.4 0.0 3.1 0.0 15.0 3.0 0.0 Prop In Lane 1.00 1.00 1.00 0.00 0.05 1.00 1.00 0.0 Jance Grp Cap(c), veh/h 487 372 934 792 265 964 0 419 0 438 253 0 0 <t< td=""><td>Arrive On Green</td><td>0.01</td><td>0.53</td><td>0.53</td><td>0.06</td><td>0.58</td><td>0.00</td><td>0.23</td><td>0.23</td><td>0.23</td><td>0.23</td><td>0.00</td><td>0.00</td></t<>	Arrive On Green	0.01	0.53	0.53	0.06	0.58	0.00	0.23	0.23	0.23	0.23	0.00	0.00
Grp Volume(v), veh/h 8 798 165 130 607 0 86 0 329 4 0 0 Grp Sat Flow(s), veh/h/ln 1682 1767 1497 1584 1663 0 1444 0 1522 702 0 0 Q Serve(g_s), s 0.2 29.6 4.4 2.6 18.4 0.0 0.0 0.0 15.0 3.4 0.0 0.0 Cycle Q Clear(g_c), s 0.2 29.6 4.4 2.6 18.4 0.0 0.1 15.0 3.4 0.0 0.0 Prop In Lane 1.00 1.00 1.00 1.00 0.00 0.95 1.00 1.00 1.00 0.00 Lane Grp Cap(c), veh/h 372 934 792 265 964 0 419 0 438 253 0 0 V/C Ratio(X) 0.02 0.85 0.21 0.49 0.63 0.00 0.21 0.00 0.00	Sat Flow, veh/h	1682	1767	1497	1584	1663	0	1367		1522	702	0	0
Grp Sat Flow(s), veh/h/ln 1682 1767 1497 1584 1663 0 1444 0 1522 702 0 0 Q Serve(g_s), s 0.2 29.6 4.4 2.6 18.4 0.0 0.0 15.0 0.3 0.0 0.0 Cycle Q Clear(g_c), s 0.2 29.6 4.4 2.6 18.4 0.0 3.1 0.0 15.0 3.4 0.0 0.0 Prop In Lane 1.00 1.00 1.00 0.00 0.095 1.00 1.00 0.00 V/C Ratio(X) 0.02 0.85 0.21 0.49 0.63 0.00 0.21 0.0 0.5 0.0 0.0 HCM Platon Ratio 1.00		8		165	130	607	0			329	4	0	
Q Serve(g_s), s													
Cycle Q Clear(g_c), s 0.2 29.6 4.4 2.6 18.4 0.0 3.1 0.0 15.0 3.4 0.0 0.0 Prop In Lane 1.00 1.00 1.00 0.00 0.95 1.00 1.00 0.00 Lane Grp Cap(c), veh/h 372 934 792 265 964 0 419 0 438 253 0 0 V/C Ratio(X) 0.02 0.85 0.21 0.49 0.63 0.00 0.21 0.00 0.75 0.02 0.00 0.00 Avail Cap(c_a), veh/h 487 1612 1366 812 1735 0 478 0 503 290 0 0 HCM Platonn Ratio 1.00 1													
Prop In Lane 1.00 1.00 1.00 0.00 0.95 1.00 1.00 0.00 Lane Grp Cap(c), veh/h 372 934 792 265 964 0 419 0 438 253 0 0 V/C Ratio(X) 0.02 0.85 0.21 0.49 0.63 0.00 0.21 0.00 0.75 0.02 0.00 0.00 Avail Cap(c_a), veh/h 487 1612 1366 812 1735 0 478 0 503 290 0 0 HCM Platoon Ratio 1.00 </td <td></td>													
Lane Grp Cap(c), veh/h 372 934 792 265 964 0 419 0 438 253 0 0 0 V/C Ratio(X) 0.02 0.85 0.21 0.49 0.63 0.00 0.21 0.00 0.75 0.02 0.00 0.00 Avail Cap(c_a), veh/h 487 1612 1366 812 1735 0 478 0 503 290 0 0 0 HCM Platoon Ratio 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0			20.0			1011			0.0			0.0	
V/C Ratio(X) 0.02 0.85 0.21 0.49 0.63 0.00 0.21 0.00 0.75 0.02 0.00 0.00 Avail Cap(c_a), veh/h 487 1612 1366 812 1735 0 478 0 503 290 0 0 HCM Platon Ratio 1.00 <td></td> <td></td> <td>934</td> <td></td> <td></td> <td>964</td> <td></td> <td></td> <td>0</td> <td></td> <td></td> <td>0</td> <td></td>			934			964			0			0	
Avail Cap(c_a), veh/h													
HCM Platoon Ratio													
Upstream Filter(I) 1.00 1.00 1.00 1.00 1.00 1.00 1.00 0.00 1.00 0.00 1.00 0.00 <td></td>													
Uniform Delay (d), s/veh 9.5 15.4 9.5 14.8 10.6 0.0 24.0 0.0 24.7 25.4 0.0 0.0 Incr Delay (d2), s/veh 0.0 2.8 0.2 0.5 0.8 0.0 0.1 0.0 4.4 0.0 0.0 0.0 Initial Q Delay(d3), s/veh 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.													
Incr Delay (d2), s/veh													
Initial Q Delay(d3),s/veh													
%ile BackOfQ(56%),veh/ln 0.1 10.1 1.2 0.9 5.3 0.0 1.2 0.0 5.5 0.1 0.0 0.0 Unsig. Movement Delay, s/veh 9.5 18.3 9.7 15.4 11.4 0.0 24.1 0.0 29.0 25.4 0.0 0.0 LnGrp LOS A B A B B A C A C C A A Approach Vol, veh/h 971 737 415 4 4 Approach Delay, s/veh 16.7 12.1 28.0 25.4 Approach LOS B B C C C Timer - Assigned Phs 1 2 4 5 6 8 Phs Duration (G+Y+Rc), s 8.7 45.8 21.7 4.8 49.7 21.7 Change Period (Y+Rc), s 4.0 5.5 4.5 4.5 4.5 Max Green Setting (Gmax), s 31.0 69.5 20.5 6.0 79.5 20.5 Max Q Clear Time (g_c+I1), s 4.6 31.6 5.4 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>													
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LnGrp Delay(d),s/veh 9.5 18.3 9.7 15.4 11.4 0.0 24.1 0.0 29.0 25.4 0.0 0.0 LnGrp LOS A B A B B A C A C C A A Approach Vol, veh/h 971 737 415 4 4 4 4 Approach Delay, s/veh 16.7 12.1 28.0 25.4 A Approach Delay, s/veh 16.7 12.1 28.0 25.4 A A Approach Delay, s/veh 16.7 12.1 28.0 25.4 A A Approach Delay, s/veh 16.7 12.1 28.0 25.4 A A A A A A A A A B B C C C C C C C C C C C C C A A A A A A A A A A A			10.1	1.2	0.5	0.0	0.0	1.4	0.0	0.0	0.1	0.0	0.0
LnGrp LOS A B A B B A C A C C C A A Approach Vol, veh/h 971 737 415 4 Approach Delay, s/veh 16.7 12.1 28.0 25.4 Approach LOS B B C C Timer - Assigned Phs 1 2 4 5 6 8 Phs Duration (G+Y+Rc), s 8.7 45.8 21.7 4.8 49.7 21.7 Change Period (Y+Rc), s 4.0 5.5 4.5 4.0 5.5 4.5 Max Green Setting (Gmax), s 31.0 69.5 20.5 6.0 79.5 20.5 Max Q Clear Time (g_c+I1), s 4.6 31.6 5.4 2.2 20.4 17.0 Green Ext Time (p_c), s 0.1 8.7 0.0 0.0 5.3 0.3 Intersection Summary HCM 6th Ctrl Delay 17.3 HCM 6th LOS B 17.3			18.3	0.7	15 /	11 /	0.0	2/ 1	0.0	20 N	25.4	0.0	0.0
Approach Vol, veh/h 971 737 415 4 Approach Delay, s/veh 16.7 12.1 28.0 25.4 Approach LOS B B C C Timer - Assigned Phs 1 2 4 5 6 8 Phs Duration (G+Y+Rc), s 8.7 45.8 21.7 4.8 49.7 21.7 Change Period (Y+Rc), s 4.0 5.5 4.5 4.5 4.5 Max Green Setting (Gmax), s 31.0 69.5 20.5 6.0 79.5 20.5 Max Q Clear Time (g_c+l1), s 4.6 31.6 5.4 2.2 20.4 17.0 Green Ext Time (p_c), s 0.1 8.7 0.0 0.0 5.3 0.3 Intersection Summary HCM 6th Ctrl Delay 17.3 HCM 6th LOS B													
Approach Delay, s/veh 16.7 12.1 28.0 25.4 Approach LOS B B C C Timer - Assigned Phs 1 2 4 5 6 8 Phs Duration (G+Y+Rc), s 8.7 45.8 21.7 4.8 49.7 21.7 Change Period (Y+Rc), s 4.0 5.5 4.5 4.0 5.5 4.5 Max Green Setting (Gmax), s 31.0 69.5 20.5 6.0 79.5 20.5 Max Q Clear Time (g_c+l1), s 4.6 31.6 5.4 2.2 20.4 17.0 Green Ext Time (p_c), s 0.1 8.7 0.0 0.0 5.3 0.3 Intersection Summary HCM 6th LOS B					<u> </u>								
Approach LOS B B C C C Timer - Assigned Phs 1 2 4 5 6 8 Phs Duration (G+Y+Rc), s 8.7 45.8 21.7 4.8 49.7 21.7 Change Period (Y+Rc), s 4.0 5.5 4.5 4.5 Max Green Setting (Gmax), s 31.0 69.5 20.5 6.0 79.5 20.5 Max Q Clear Time (g_c+11), s 4.6 31.6 5.4 2.2 20.4 17.0 Green Ext Time (p_c), s 0.1 8.7 0.0 0.0 5.3 0.3 Intersection Summary HCM 6th Ctrl Delay 17.3 HCM 6th LOS B													
Timer - Assigned Phs 1 2 4 5 6 8 Phs Duration (G+Y+Rc), s 8.7 45.8 21.7 4.8 49.7 21.7 Change Period (Y+Rc), s 4.0 5.5 4.5 4.5 4.5 Max Green Setting (Gmax), s 31.0 69.5 20.5 6.0 79.5 20.5 Max Q Clear Time (g_c+I1), s 4.6 31.6 5.4 2.2 20.4 17.0 Green Ext Time (p_c), s 0.1 8.7 0.0 0.0 5.3 0.3 Intersection Summary HCM 6th LOS B													
Phs Duration (G+Y+Rc), s 8.7 45.8 21.7 4.8 49.7 21.7 Change Period (Y+Rc), s 4.0 5.5 4.5 Max Green Setting (Gmax), s 31.0 69.5 20.5 6.0 79.5 20.5 Max Q Clear Time (g_c+l1), s 4.6 31.6 5.4 2.2 20.4 17.0 Green Ext Time (p_c), s 0.1 8.7 0.0 0.0 5.3 0.3 Intersection Summary HCM 6th Ctrl Delay 17.3 HCM 6th LOS B	Approach LOS		D			D			C			C	
Change Period (Y+Rc), s 4.0 5.5 4.5 4.0 5.5 4.5 Max Green Setting (Gmax), s 31.0 69.5 20.5 6.0 79.5 20.5 Max Q Clear Time (g_c+l1), s 4.6 31.6 5.4 2.2 20.4 17.0 Green Ext Time (p_c), s 0.1 8.7 0.0 0.0 5.3 0.3 Intersection Summary HCM 6th Ctrl Delay 17.3 HCM 6th LOS B	Timer - Assigned Phs	1	2		4	5	6		8				
Change Period (Y+Rc), s 4.0 5.5 4.5 4.0 5.5 4.5 Max Green Setting (Gmax), s 31.0 69.5 20.5 6.0 79.5 20.5 Max Q Clear Time (g_c+l1), s 4.6 31.6 5.4 2.2 20.4 17.0 Green Ext Time (p_c), s 0.1 8.7 0.0 0.0 5.3 0.3 Intersection Summary HCM 6th Ctrl Delay 17.3 HCM 6th LOS B	Phs Duration (G+Y+Rc), s	8.7	45.8		21.7	4.8	49.7		21.7				
Max Green Setting (Gmax), s 31.0 69.5 20.5 6.0 79.5 20.5 Max Q Clear Time (g_c+l1), s 4.6 31.6 5.4 2.2 20.4 17.0 Green Ext Time (p_c), s 0.1 8.7 0.0 0.0 5.3 0.3 Intersection Summary HCM 6th Ctrl Delay 17.3 HCM 6th LOS B	, , , , , , , , , , , , , , , , , , , ,												
Max Q Clear Time (g_c+I1), s 4.6 31.6 5.4 2.2 20.4 17.0 Green Ext Time (p_c), s 0.1 8.7 0.0 0.0 5.3 0.3 Intersection Summary HCM 6th Ctrl Delay 17.3 HCM 6th LOS B													
Green Ext Time (p_c), s 0.1 8.7 0.0 0.0 5.3 0.3 Intersection Summary HCM 6th Ctrl Delay 17.3 HCM 6th LOS B													
Intersection Summary HCM 6th Ctrl Delay 17.3 HCM 6th LOS B	10												
HCM 6th Ctrl Delay 17.3 HCM 6th LOS B	(, , ,												
HCM 6th LOS B	· ·			17 3									
				U									

Interpostion						
Intersection Int Delay, s/veh	4.9					
	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	1	7	*	↑	1	ď
Traffic Vol, veh/h	491	316	62	129	150	100
Future Vol, veh/h	491	316	62	129	150	100
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	Yield	-	None	-	None
Storage Length	-	215	190	-	0	210
Veh in Median Storage, #	# 0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	93	93	93	93	93	93
Heavy Vehicles, %	1	1	13	13	15	15
Mvmt Flow	528	340	67	139	161	108
		-		_		
	ajor1		Major2		Minor1	
Conflicting Flow All	0	0	528	0	801	528
Stage 1	-	-	-	-	528	-
Stage 2	-	-	-	-	273	-
Critical Hdwy	-	-	4.23	-	6.55	6.35
Critical Hdwy Stg 1	-	-	-	-	5.55	-
Critical Hdwy Stg 2	-	-	-	-	5.55	-
Follow-up Hdwy	-	-	2.317	-		3.435
Pot Cap-1 Maneuver	-	-	985	-	336	526
Stage 1	-	-	-	-	566	-
Stage 2	-	-	-	-	744	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	985	-	313	526
Mov Cap-2 Maneuver	-	-	-	-	313	-
Stage 1	-	-	-	-	566	-
Stage 2	-	_	-	_	693	_
Jugo 2					500	
Approach	EB		WB		NB	
HCM Control Delay, s	0		2.9		22.3	
HCM LOS					С	
Minor Long/Major Myset	N.	IDI n4 N	JDI 50	CDT	EPD	\\/DI
Minor Lane/Major Mvmt		VBLn11		EBT	EBR	WBL
Capacity (veh/h)		313	526	-	-	985
HCM Lane V/C Ratio		0.515		-		0.068
HCM Control Delay (s)		28.1	13.6	-	-	8.9
HCM Lane LOS		D	В	-	-	Α
HCM 95th %tile Q(veh)		2.8	0.8	-	-	0.2

-				
Intersection				
Intersection Delay, s/veh	9.2			
Intersection LOS	А			
Approach	EB	WB	NB	
Entry Lanes	1	1	1	
Conflicting Circle Lanes	1	1	1	
Adj Approach Flow, veh/h	519	306	535	
Demand Flow Rate, veh/h	530	309	541	
Vehicles Circulating, veh/h	106	60	441	
Vehicles Exiting, veh/h	263	922	195	
Ped Vol Crossing Leg, #/h	0	0	0	
Ped Cap Adj	1.000	1.000	1.000	
Approach Delay, s/veh	7.3	4.9	13.6	
Approach LOS	А	А	В	
Lane	Left	Left	Left	
Designated Moves	TR	LT	LR	
Assumed Moves	TR	LT	LR	
RT Channelized				
Lane Util	1.000	1.000	1.000	
Follow-Up Headway, s	2.609	2.609	2.609	
Critical Headway, s	4.976	4.976	4.976	
Entry Flow, veh/h	530	309	541	
Cap Entry Lane, veh/h	1238	1298	880	
Entry HV Adj Factor	0.980	0.990	0.989	
Flow Entry, veh/h	519	306	535	
Cap Entry, veh/h	1214	1285	870	
V/C Ratio	0.428	0.238	0.615	
Control Delay, s/veh		0.238 4.9	0.615 13.6	
	0.428			

Intersection		
Intersection Delay, s/veh	4	
Intersection LOS	В	

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	
Lane Configurations	- 1	1>			4			4			4		
Traffic Vol, veh/h	258	7	218	5	22	25	134	144	3	5	118	66	
Future Vol, veh/h	258	7	218	5	22	25	134	144	3	5	118	66	
Peak Hour Factor	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	
Heavy Vehicles, %	4	4	4	4	4	4	7	7	7	6	6	6	
Mvmt Flow	284	8	240	5	24	27	147	158	3	5	130	73	
Number of Lanes	1	1	0	0	1	0	0	1	0	0	1	0	
Approach	EB			WB			NB			SB			
Opposing Approach	WB			EB			SB			NB			
Opposing Lanes	1			2			1			1			
Conflicting Approach Le	eft SB			NB			EB			WB			
Conflicting Lanes Left	1			1			2			1			
Conflicting Approach R	igh N B			SB			WB			EB			
Conflicting Lanes Right	. 1			1			1			2			
HCM Control Delay	14.4			10			15.3			12			
HCM LOS	В			Α			С			В			

Lane	NBLn1	EBLn1	EBLn2V	VBLn1	SBLn1	
Vol Left, %	48%	100%	0%	10%	3%	.
Vol Thru, %	51%	0%	3%	42%	62%	ט
Vol Right, %	1%	0%	97%	48%	35%)
Sign Control	Stop	Stop	Stop	Stop	Stop)
Traffic Vol by Lane	281	258	225	52	189)
LT Vol	134	258	0	5	5	5
Through Vol	144	0	7	22	118	3
RT Vol	3	0	218	25	66	;
Lane Flow Rate	309	284	247	57	208	3
Geometry Grp	2	7	7	5	2	2
Degree of Util (X)	0.515	0.528	0.379	0.099	0.34	ļ
Departure Headway (Hd)	6.004	6.71	5.513	6.254	5.902	2
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	}
Cap	599	536	650	569	606	;
Service Time	4.057	4.459	3.262	4.332	3.963	3
HCM Lane V/C Ratio	0.516	0.53	0.38	0.1	0.343	}
HCM Control Delay	15.3	16.8	11.6	10	12) -
HCM Lane LOS	С	С	В	Α	В	}
HCM 95th-tile Q	2.9	3.1	1.8	0.3	1.5	;

Intersection						
Int Delay, s/veh	0					
		EDD	WDI	\\/DT	MDI	NDD
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↑ ↑	٨	ነ	101	* ***	٥
Traffic Vol, veh/h	591	0	0	191	0	0
Future Vol, veh/h	591	0	0	191	0	0
Conflicting Peds, #/hr	0	_ 0	_ 0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-		-	None
Storage Length	-	-	100	-	0	-
Veh in Median Storage,		-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	1	1	13	13	2	2
Mvmt Flow	642	0	0	208	0	0
Major/Minor M	1ajor1	N	Major2	ľ	Minor1	
Conflicting Flow All	0	0	642	0	850	321
Stage 1	-	-	042	-	642	JZ 1 -
Stage 2		_	=		208	_
Critical Hdwy	-		4.295		6.63	6.93
Critical Hdwy Stg 1		-	4.290	-	5.83	0.93
, ,			-		5.43	_
Critical Hdwy Stg 2	-		-	-		3.319
Follow-up Hdwy			2.3235			
Pot Cap-1 Maneuver	-	-	880	-	315	675
Stage 1	-	-	-	-	487	-
Stage 2	-	-	-	-	826	_
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	880	-	315	675
Mov Cap-2 Maneuver	-	-	-	-	315	-
Stage 1	-	-	-	-	487	-
Stage 2	-	-	-	-	826	-
Approach	EB		WB		NB	
HCM Control Delay, s	0		0		0	
HCM LOS	U		U		A	
HOW LOS					A	
Minor Lane/Major Mvmt	: 1	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)		-	_	-	880	_
HCM Lane V/C Ratio		-	_	-	-	-
HCM Control Delay (s)		0	_	-	0	-
HCM Lane LOS		A	_	-	A	_
HCM 95th %tile Q(veh)		-	_	-	0	-

05/28/2021

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Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	7	↑	7	7	₽			4	7		4	
Traffic Volume (veh/h)	4	857	158	345	845	12	104	0	237	29	29	12
Future Volume (veh/h)	4	857	158	345	845	12	104	0	237	29	29	12
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1841	1841	1841	1856	1856	1856	1841	1841	1841	1900	1900	1900
Adj Flow Rate, veh/h	4	922	170	371	909	13	112	0	255	31	31	13
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
Percent Heavy Veh, %	4	4	4	3	3	3	4	4	4	0	0	0
Cap, veh/h	317	1001	849	399	1283	18	212	0	516	68	61	17
Arrive On Green	0.01	0.54	0.54	0.16	0.70	0.70	0.17	0.00	0.17	0.17	0.17	0.17
Sat Flow, veh/h	1753	1841	1560	1767	1825	26	888	0	1560	133	364	104
Grp Volume(v), veh/h	4	922	170	371	0	922	112	0	255	75	0	0
Grp Sat Flow(s),veh/h/ln	1753	1841	1560	1767	0	1851	888	0	1560	601	0	0
Q Serve(g_s), s	0.1	51.2	6.2	16.1	0.0	32.9	0.0	0.0	14.6	2.1	0.0	0.0
Cycle Q Clear(g_c), s	0.1	51.2	6.2	16.1	0.0	32.9	14.5	0.0	14.6	16.6	0.0	0.0
Prop In Lane	1.00		1.00	1.00		0.01	1.00		1.00	0.41		0.17
Lane Grp Cap(c), veh/h	317	1001	849	399	0	1301	212	0	516	145	0	0
V/C Ratio(X)	0.01	0.92	0.20	0.93	0.00	0.71	0.53	0.00	0.49	0.52	0.00	0.00
Avail Cap(c_a), veh/h	402	1144	970	599	0	1316	235	0	542	170	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	12.4	23.3	13.0	33.9	0.0	9.8	44.9	0.0	29.9	44.1	0.0	0.0
Incr Delay (d2), s/veh	0.0	11.3	0.1	12.7	0.0	1.8	0.8	0.0	0.3	1.0	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	22.7	2.1	11.0	0.0	11.1	3.0	0.0	5.4	2.1	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	12.4	34.6	13.2	46.6	0.0	11.7	45.6	0.0	30.2	45.2	0.0	0.0
LnGrp LOS	В	С	В	D	Α	В	D	Α	С	D	Α	Α
Approach Vol, veh/h		1096			1293			367			75	
Approach Delay, s/veh		31.2			21.7			34.9			45.2	
Approach LOS		C			C			С			D	
	1			1		^						
Timer - Assigned Phs	22.4	2		22.4	5	6		8				
Phs Duration (G+Y+Rc), s	22.4	66.3		23.1	4.6	84.1		23.1				
Change Period (Y+Rc), s	4.0	5.5		4.5	4.0	5.5		4.5				
Max Green Setting (Gmax), s	31.0	69.5		20.5	6.0	79.5		20.5				
Max Q Clear Time (g_c+l1), s	18.1	53.2		18.6	2.1	34.9		16.6				
Green Ext Time (p_c), s	0.3	7.7		0.0	0.0	10.3		0.3				
Intersection Summary			0= =									
HCM 6th Ctrl Delay			27.7									
HCM 6th LOS			С									
Notes												

Intersection								
Int Delay, s/veh	94.5							
Movement	EBT	EBR	WBL	WBT	NBL	NBR		
Lane Configurations	1	7	ነ	↑	7	7		
Traffic Vol, veh/h	246	150	166	429	329	92		
Future Vol, veh/h	246	150	166	429	329	92		
Conflicting Peds, #/hr	0	0	0	0	0	0		
Sign Control	Free	Free	Free	Free	Stop	Stop		
RT Channelized	-	Yield	-	None	-	None		
Storage Length	-	215	190	_	0	210		
Veh in Median Storage	e,# 0	-	-	0	0	-		
Grade, %	0	-	-	0	0	_		
Peak Hour Factor	92	92	92	92	92	92		
Heavy Vehicles, %	4	4	4	4	2	2		
Mvmt Flow	267	163	180	466	358	100		
Major/Minor	Major1		Major2	ı	Minor1			
Conflicting Flow All	0	0	267	0	1093	267		
Stage 1	-	-	201	-	267	201		
Stage 2		_	_	_	826	_		
Critical Hdwy			4.14	_	6.42	6.22		
Critical Hdwy Stg 1		_	7.17	_	5.42	0.22 <u>-</u>		
Critical Hdwy Stg 2		_	_	_	5.42	_		
Follow-up Hdwy	_	_	2.236		3.518			
Pot Cap-1 Maneuver	_	_	1285		~ 237	772		
Stage 1	_		1200	_	778	-		
Stage 2	_	_	_	_	430	_		
Platoon blocked, %	_	_		_	100			
Mov Cap-1 Maneuver	_	-	1285	_	~ 204	772		
Mov Cap-2 Maneuver		_	-		~ 204	- ' ' -		
Stage 1	-	-	_		778	_		
Stage 2	_	_	_	_	370	_		
J.a.g. 2					5, 5			
Approach	EB		WB		NB			
HCM Control Delay, s	0		2.3	2	313.7			
HCM LOS			2.0	Ψ	F			
Minor Lane/Major Mvn	nt 1	NBLn11	NBLn2	EBT	EBR	WBL	WBT	
Capacity (veh/h)		204	772		-	1285	-	
HCM Lane V/C Ratio		1.753	0.13	_	_	0.14	_	
HCM Control Delay (s)) \$	398.5	10.4	-	-	8.3	_	
HCM Lane LOS	Ψ	F	В	_	_	A	-	
HCM 95th %tile Q(veh	ı)	24.6	0.4	-	-	0.5	-	
Notes								

Intersection				
Intersection Delay, s/veh	9.6			
Intersection LOS	Α			
Approach	EB	WB	NB	3
Entry Lanes	1	1	1	1
Conflicting Circle Lanes	1	1	1	1
Adj Approach Flow, veh/h	321	832	221	1
Demand Flow Rate, veh/h	328	840	228	3
Vehicles Circulating, veh/h	451	67	229	9
Vehicles Exiting, veh/h	456	390	549	9
Ped Vol Crossing Leg, #/h	0	0	0)
Ped Cap Adj	1.000	1.000	1.000	
Approach Delay, s/veh	8.6	11.2	5.3	3
Approach LOS	Α	В	A	4
Lane	Left	Left	Left	
Designated Moves	TR	LT	LR	
Assumed Moves	TR	LT	LR	
RT Channelized				
Lane Util	1.000	1.000	1.000	
Follow-Up Headway, s	2.609	2.609	2.609	
Critical Headway, s	4.976	4.976	4.976	
Entry Flow, veh/h	328	840	228	
Cap Entry Lane, veh/h	871	1289	1092	
Entry HV Adj Factor	0.980	0.991	0.969	
Flow Entry, veh/h	321	832	221	
Cap Entry, veh/h	854	1277	1059	
V/C Ratio	0.377	0.652	0.209	
Control Delay, s/veh	8.6	11.2	5.3	
LOS 95th %tile Queue, veh	A 2	B 5	A	

Intersection							
Intersection Delay, s/ve	eh29.2						
Intersection LOS	D						

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	
Lane Configurations	- 1	1 >			4			4			4		
Traffic Vol, veh/h	100	12	166	1	21	17	317	146	6	32	153	272	
Future Vol, veh/h	100	12	166	1	21	17	317	146	6	32	153	272	
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	
Heavy Vehicles, %	3	3	3	3	3	3	2	2	2	2	2	2	
Mvmt Flow	111	13	184	1	23	19	352	162	7	36	170	302	
Number of Lanes	1	1	0	0	1	0	0	1	0	0	1	0	
Approach	EB			WB			NB			SB			
Opposing Approach	WB			EB			SB			NB			
Opposing Lanes	1			2			1			1			
Conflicting Approach Le	eft SB			NB			EB			WB			
Conflicting Lanes Left	1			1			2			1			
Conflicting Approach Ri	ghtNB			SB			WB			EB			
Conflicting Lanes Right	1			1			1			2			
HCM Control Delay	13.6			11.7			40			29			
HCM LOS	В			В			Е			D			

Lane	NBLn1	EBLn1	EBLn2V	VBLn1	SBLn1	1
Vol Left, %	68%	100%	0%	3%	7%	ó
Vol Thru, %	31%	0%	7%	54%	33%	0
Vol Right, %	1%	0%	93%	44%	60%	ó
Sign Control	Stop	Stop	Stop	Stop	Stop)
Traffic Vol by Lane	469	100	178	39	457	7
LT Vol	317	100	0	1	32	2
Through Vol	146	0	12	21	153	3
RT Vol	6	0	166	17	272	2
Lane Flow Rate	521	111	198	43	508	3
Geometry Grp	2	7	7	5	2	2
Degree of Util (X)	0.89	0.248	0.377	0.094	0.812	2
Departure Headway (Hd)	6.149	8.049	6.862	7.775	5.758	3
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	3
Cap	589	447	524	459	630)
Service Time	4.19	5.8	4.613	5.855	3.8	3
HCM Lane V/C Ratio	0.885	0.248	0.378	0.094	0.806	3
HCM Control Delay	40	13.5	13.7	11.7	29	9
HCM Lane LOS	Е	В	В	В	D)
HCM 95th-tile Q	10.5	1	1.7	0.3	8.3	3

Intersection						
Int Delay, s/veh	0					
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	†		ነ	<u></u>	**	,,,,,,
Traffic Vol, veh/h	338	0	0	595	0	0
Future Vol, veh/h	338	0	0	595	0	0
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-		-	None
Storage Length	-	-	100	_	0	_
Veh in Median Storage,		_	-	0	0	_
Grade, %	0	_	_	0	0	_
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	4	4	4	4	2	2
Mymt Flow	367	0	0	647	0	0
WWITE I IOW	001	U	U	047	U	U
	lajor1		Major2		Minor1	
Conflicting Flow All	0	0	367	0	1014	184
Stage 1	-	-	-	-	367	-
Stage 2	-	-	-	-	647	-
Critical Hdwy	-	-	4.16	_	6.63	6.93
Critical Hdwy Stg 1	-	-	-	-	5.83	-
Critical Hdwy Stg 2	-	-	-	-	5.43	_
Follow-up Hdwy	-	-	2.238	-	3.519	3.319
Pot Cap-1 Maneuver	-	-	1177	_	249	828
Stage 1	-	-	-	-	672	_
Stage 2	-	_	_	-	520	_
Platoon blocked, %		_		-		
Mov Cap-1 Maneuver	-	-	1177	_	249	828
Mov Cap-2 Maneuver		_	-	-	249	_
Stage 1	_	_	_	_	672	_
Stage 2		_	-	_	520	-
Olago 2					020	
Approach	EB		WB		NB	
HCM Control Delay, s	0		0		0	
HCM LOS					Α	
Minor Lane/Major Mvmt	N	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	<u> </u>	-		-	1177	-
HCM Lane V/C Ratio				_	-	<u>-</u>
HCM Control Delay (s)		0	-		0	
HCM Lane LOS		A	-	-	A	-
HCM 95th %tile Q(veh)		- -	-		0	_
HOW JOHN /OHIE Q(VEH)		_	_	_	U	_

05/28/2021

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Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	- 1	↑	7	7	- 1>			स	7		4	
Traffic Volume (veh/h)	8	797	164	130	607	0	82	4	329	4	0	0
Future Volume (veh/h)	8	797	164	130	607	0	82	4	329	4	0	0
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1767	1767	1767	1663	1663	1663	1796	1796	1796	1530	1530	1530
Adj Flow Rate, veh/h	8	830	171	135	632	0	85	4	343	4	0	0
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Percent Heavy Veh, %	9	9	9	16	16	16	7	7	7	25	25	25
Cap, veh/h	356	955	809	246	978	0	403	17	442	248	0	0
Arrive On Green	0.01	0.54	0.54	0.06	0.59	0.00	0.23	0.23	0.23	0.23	0.00	0.00
Sat Flow, veh/h	1682	1767	1497	1584	1663	0	1370	73	1522	693	0	0
Grp Volume(v), veh/h	8	830	171	135	632	0	89	0	343	4	0	0
Grp Sat Flow(s),veh/h/ln	1682	1767	1497	1584	1663	0	1443	0	1522	693	0	0
Q Serve(g_s), s	0.2	33.7	4.9	2.9	20.9	0.0	0.0	0.0	17.1	0.3	0.0	0.0
Cycle Q Clear(g_c), s	0.2	33.7	4.9	2.9	20.9	0.0	3.5	0.0	17.1	3.8	0.0	0.0
Prop In Lane	1.00		1.00	1.00		0.00	0.96		1.00	1.00		0.00
Lane Grp Cap(c), veh/h	356	955	809	246	978	0	420	0	442	248	0	0
V/C Ratio(X)	0.02	0.87	0.21	0.55	0.65	0.00	0.21	0.00	0.78	0.02	0.00	0.00
Avail Cap(c_a), veh/h	461	1484	1258	747	1598	0	442	0	465	261	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	0.00	1.00	0.00	1.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	10.1	16.5	9.9	16.9	11.3	0.0	25.7	0.0	26.9	27.2	0.0	0.0
Incr Delay (d2), s/veh	0.0	4.1	0.2	0.7	0.9	0.0	0.1	0.0	6.9	0.0	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.1	12.0	1.4	1.2	6.2	0.0	1.4	0.0	6.7	0.1	0.0	0.0
Unsig. Movement Delay, s/veh	1											
LnGrp Delay(d),s/veh	10.1	20.5	10.0	17.6	12.2	0.0	25.8	0.0	33.8	27.3	0.0	0.0
LnGrp LOS	В	С	В	В	В	Α	С	Α	С	С	Α	Α
Approach Vol, veh/h		1009			767			432			4	
Approach Delay, s/veh		18.7			13.1			32.1			27.3	
Approach LOS		В			В			С			С	
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	8.8	50.2		23.7	4.8	54.2		23.7				
Change Period (Y+Rc), s	4.0	5.5		4.5	4.0	5.5		4.5				
Max Green Setting (Gmax), s	31.0	69.5		20.5	6.0	79.5		20.5				
Max Q Clear Time (g_c+l1), s	4.9	35.7		5.8	2.2	22.9		19.1				
Green Ext Time (p_c), s	0.1	9.1		0.0	0.0	5.6		0.1				
	0.1	9.1		0.0	0.0	5.0		0.1				
Intersection Summary			10.1									
HCM 6th Ctrl Delay			19.4									
HCM 6th LOS			В									
Notes												

Interception						
Intersection Int Delay, s/veh	5.3					
	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	1	7	7	↑	1	7
Traffic Vol, veh/h	511	329	65	134	156	104
Future Vol, veh/h	511	329	65	134	156	104
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	Yield	-	None	-	None
Storage Length	-	215	190	-	0	210
Veh in Median Storage, #	# 0	-	_	0	0	_
Grade, %	0	-	-	0	0	-
Peak Hour Factor	93	93	93	93	93	93
Heavy Vehicles, %	1	1	13	13	15	15
Mvmt Flow	549	354	70	144	168	112
		-		_		
	ajor1		Major2		Minor1	
Conflicting Flow All	0	0	549	0	833	549
Stage 1	-	-	-	-	549	_
Stage 2	-	-	-	-	284	-
Critical Hdwy	-	-	4.23	-	6.55	6.35
Critical Hdwy Stg 1	-	-	-	-	5.55	-
Critical Hdwy Stg 2	-	-	-	-	5.55	-
Follow-up Hdwy	-	-	2.317	-	3.635	3.435
Pot Cap-1 Maneuver	-	-	968	-	322	511
Stage 1	-	-	-	-	553	-
Stage 2	-	-	-	-	735	_
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	968	-	299	511
Mov Cap-2 Maneuver	-	-	_	-	299	_
Stage 1	-	-	_	-	553	_
Stage 2	-	-	-	-	682	_
Jugo Z					302	
Approach	EB		WB		NB	
HCM Control Delay, s	0		2.9		24.4	
HCM LOS					С	
Minor Lang/Major Maret	N.	IDI n4 N	JDI 50	CDT	EPD	WBL
Minor Lane/Major Mvmt		VBLn11		EBT	EBR	
Capacity (veh/h)		299	511	-	-	968
HCM Lane V/C Ratio		0.561		-		0.072
HCM Control Delay (s)		31.4	14	-	-	9
HCM Lane LOS		D	В	-	-	Α
HCM 95th %tile Q(veh)		3.2	0.8	-	-	0.2

Intersection				
Intersection Delay, s/veh	9.9			
Intersection LOS	Α			
Approach	EB	WB	NB	
Entry Lanes	1	1	1	
Conflicting Circle Lanes	1	1	1	
Adj Approach Flow, veh/h	539	319	557	
Demand Flow Rate, veh/h	550	322	563	
Vehicles Circulating, veh/h	111	63	458	
Vehicles Exiting, veh/h	274	958	203	
Ped Vol Crossing Leg, #/h	0	0	0	
Ped Cap Adj	1.000	1.000	1.000	
Approach Delay, s/veh	7.6	5.0	15.0	
Approach LOS	А	А	В	
Lane	Left	Left	Left	
Designated Moves	TR	LT	LR	
Assumed Moves	TR	LT	LR	
RT Channelized				
Lane Util	1.000	1.000	1.000	
Follow-Up Headway, s	2.609	2.609	2.609	
Critical Headway, s	4.976	4.976	4.976	
Entry Flow, veh/h	550	322	563	
Cap Entry Lane, veh/h	1232	1294	865	
Entry HV Adj Factor	0.980	0.990	0.989	
Flow Entry, veh/h	539	319	557	
Cap Entry, veh/h	1208	1282	856	
MO D-4:-	0.440	0.249	0.651	
V/C Ratio	0.446	0.249		
Control Delay, s/veh	7.6	5.0	15.0	

Intersection		
Intersection Delay, s/ve	eh14.7	
Intersection LOS	В	

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	
Lane Configurations	- 1	1			4			4			4		
Traffic Vol, veh/h	268	7	227	5	23	26	139	150	3	5	123	69	
Future Vol, veh/h	268	7	227	5	23	26	139	150	3	5	123	69	
Peak Hour Factor	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	
Heavy Vehicles, %	4	4	4	4	4	4	7	7	7	6	6	6	
Mvmt Flow	295	8	249	5	25	29	153	165	3	5	135	76	
Number of Lanes	1	1	0	0	1	0	0	1	0	0	1	0	
Approach	EB			WB			NB			SB			
Opposing Approach	WB			EB			SB			NB			
Opposing Lanes	1			2			1			1			
Conflicting Approach L	eft SB			NB			EB			WB			
Conflicting Lanes Left	1			1			2			1			
Conflicting Approach R	lightNB			SB			WB			EB			
Conflicting Lanes Right	t 1			1			1			2			
HCM Control Delay	15.1			10.2			16.2			12.5			
HCM LOS	С			В			С			В			

Lane	NBLn1	EBLn1	EBLn2V	VBLn1	SBLn1
Vol Left, %	48%	100%	0%	9%	3%
Vol Thru, %	51%	0%	3%	43%	62%
Vol Right, %	1%	0%	97%	48%	35%
Sign Control	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	292	268	234	54	197
LT Vol	139	268	0	5	5
Through Vol	150	0	7	23	123
RT Vol	3	0	227	26	69
Lane Flow Rate	321	295	257	59	216
Geometry Grp	2	7	7	5	2
Degree of Util (X)	0.543	0.556	0.4	0.105	0.361
Departure Headway (Hd)	6.089	6.794	5.596	6.387	5.999
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes
Сар	590	530	640	557	597
Service Time	4.15	4.553	3.354	4.48	4.068
HCM Lane V/C Ratio	0.544	0.557	0.402	0.106	0.362
HCM Control Delay	16.2	17.8	12.1	10.2	12.5
HCM Lane LOS	С	С	В	В	В
HCM 95th-tile Q	3.2	3.4	1.9	0.3	1.6

Intersection						
Int Delay, s/veh	0					
<u> </u>		EDD	WDL	WDT	MDI	NDD
	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↑ ↑	^	<u>,</u>	100	, J.	^
Traffic Vol, veh/h	615	0	0	199	0	0
Future Vol, veh/h	615	0	0	199	0	0
Conflicting Peds, #/hr	_ 0	_ 0	_ 0	_ 0	0	0
	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-		-	None
Storage Length	-	-	100	-	0	-
Veh in Median Storage,		-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	1	1	13	13	2	2
Mvmt Flow	668	0	0	216	0	0
Major/Minor Ma	ajor1	N	//ajor2		Minor1	
Conflicting Flow All	0	0	668	0	884	334
Stage 1	-	-	-	-	668	-
Stage 2	-	-	4.005	-	216	- -
Critical Hdwy	-	-	4.295	-	6.63	6.93
Critical Hdwy Stg 1	-	-	-	-	5.83	-
Critical Hdwy Stg 2	-	-	-	-	5.43	-
Follow-up Hdwy	-	- 2	2.3235	-		3.319
Pot Cap-1 Maneuver	-	-	860	-	300	663
Stage 1	-	-	-	-	472	-
Stage 2	-	-	-	-	819	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	860	-	300	663
Mov Cap-2 Maneuver	-	-	-	-	300	-
Stage 1	-	-	-	-	472	_
Stage 2	-	-	-	-	819	-
<u> </u>						
Annroach	EB		WB		NID	
Approach					NB	
HCM Control Delay, s	0		0		0	
HCM LOS					Α	
Minor Lane/Major Mvmt	١	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)		_		-	860	
HCM Lane V/C Ratio		_	_	_	-	<u> </u>
HCM Control Delay (s)		0	_	_	0	_
HCM Lane LOS		A	_	_	A	_
HCM 95th %tile Q(veh)				_	0	_
HOW JOHN JOHNE Q(VEH)		_		_	U	

05/28/2021

	<u> ب</u>	→	*	•	—	*	4	†	-	/		1
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	7	†	7	7	₽			सी	7		4	
Traffic Volume (veh/h)	4	892	164	359	879	12	108	0	247	30	30	12
Future Volume (veh/h)	4	892	164	359	879	12	108	0	247	30	30	12
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1841	1841	1841	1856	1856	1856	1841	1841	1841	1900	1900	1900
Adj Flow Rate, veh/h	4	959	176	386	945	13	116	0	266	32	32	13
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
Percent Heavy Veh, %	4	4	4	3	3	3	4	4	4	0	0	0
Cap, veh/h	311	991	840	410	1320	18	186	0	548	52	46	12
Arrive On Green	0.01	0.54	0.54	0.19	0.72	0.72	0.16	0.00	0.16	0.16	0.16	0.16
Sat Flow, veh/h	1753	1841	1560	1767	1826	25	803	0	1560	74	283	73
Grp Volume(v), veh/h	4	959	176	386	0	958	116	0	266	77	0	0
Grp Sat Flow(s),veh/h/ln	1753	1841	1560	1767	0	1851	803	0	1560	430	0	0
Q Serve(g_s), s	0.1	63.8	7.5	21.9	0.0	37.7	0.0	0.0	16.9	2.5	0.0	0.0
Cycle Q Clear(g_c), s	0.1	63.8	7.5	21.9	0.0	37.7	18.0	0.0	16.9	20.5	0.0	0.0
Prop In Lane	1.00		1.00	1.00		0.01	1.00		1.00	0.42		0.17
Lane Grp Cap(c), veh/h	311	991	840	410	0	1338	186	0	548	110	0	0
V/C Ratio(X)	0.01	0.97	0.21	0.94	0.00	0.72	0.62	0.00	0.49	0.70	0.00	0.00
Avail Cap(c_a), veh/h	385	1008	854	506	0	1338	186	0	548	110	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	14.1	28.3	15.3	42.0	0.0	10.1	52.2	0.0	32.2	52.9	0.0	0.0
Incr Delay (d2), s/veh	0.0	20.8	0.1	21.7	0.0	1.9	4.7	0.0	0.2	15.8	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.1	31.2	2.6	14.1	0.0	13.0	3.8	0.0	6.4	3.0	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	14.1	49.1	15.4	63.7	0.0	12.0	56.9	0.0	32.4	68.7	0.0	0.0
LnGrp LOS	В	D	В	Е	Α	В	Е	Α	С	Е	Α	Α
Approach Vol, veh/h		1139			1344			382			77	
Approach Delay, s/veh		43.8			26.9			39.9			68.7	
Approach LOS		D			C			D			E	
Timer - Assigned Phs	1	2		4	5	6		8				
	•											
Phs Duration (G+Y+Rc), s	28.1	73.8		25.0	4.7	97.3		25.0				
Change Period (Y+Rc), s	4.0	5.5		4.5	4.0	5.5		4.5				
Max Green Setting (Gmax), s	31.0	69.5		20.5	6.0	79.5		20.5				
Max Q Clear Time (g_c+l1), s	23.9	65.8		22.5	2.1	39.7		20.0				
Green Ext Time (p_c), s	0.2	2.6		0.0	0.0	10.8		0.0				
Intersection Summary												
HCM 6th Ctrl Delay			36.2									
HCM 6th LOS			D									
Notes												

Intersection									
Int Delay, s/veh	115.8								
Movement	EBT	EBR	WBL	WBT	NBL	NBR			
Lane Configurations	1	7	7	↑	7	7			
Traffic Vol, veh/h	256	156	173	446	342	96			
Future Vol, veh/h	256	156	173	446	342	96			
Conflicting Peds, #/hr	0	0	0	0	0	0			
Sign Control	Free	Free	Free	Free	Stop	Stop			
RT Channelized	-	Yield	-	None	-	None			
Storage Length	-	215	190	-	0	210			
Veh in Median Storage	e, # 0	-	-	0	0	-			
Grade, %	0	-	-	0	0	-			
Peak Hour Factor	92	92	92	92	92	92			
Heavy Vehicles, %	4	4	4	4	2	2			
Mvmt Flow	278	170	188	485	372	104			
Major/Minor	Major1		Major2	N	Minor1				
Conflicting Flow All	0	0	278		1139	278			
Stage 1	-	U	210	-	278	210			
Stage 2		=			861				
Critical Hdwy	-		4.14	-	6.42	6.22			
•		-		-					
Critical Hdwy Stg 1	-	-	-	-	5.42 5.42	-			
Critical Hdwy Stg 2	-	-	2.236	-	3.518	2 240			
Follow-up Hdwy	-	-		-					
Pot Cap-1 Maneuver	-	-	1273	-	~ 223	761			
Stage 1	-	-	-	-	769	-			
Stage 2	-	-	-	-	414	-			
Platoon blocked, %	-	-	4070	-	400	704			
Mov Cap-1 Maneuver	-	-	1273		~ 190	761			
Mov Cap-2 Maneuver	-	-	-	-	~ 190	-			
Stage 1	-	-	-	-	769	-			
Stage 2	-	-	-	-	~ 353	-			
Approach	EB		WB		NB				
HCM Control Delay, s	0		2.3	\$	385.1				
HCM LOS					F				
Minor Lane/Major Mvn	nt 1	NBLn11	NBLn2	EBT	EBR	WBL	WBT		
Capacity (veh/h)		190	761	-	_	1273	-		
HCM Lane V/C Ratio		1.957		_		0.148	-		
HCM Control Delay (s) \$	490.2	10.5	-	_	8.3	-		
HCM Lane LOS	, — Ψ	F	В	_	_	A	_		
HCM 95th %tile Q(veh	1)	27.7	0.5	_	-	0.5	-		
	,								
Notes	'1	ф Б			00-	L. C.	audation Nat Defeat	* All	
~: Volume exceeds ca	pacity	\$: De	elay exc	eeds 3	UUS	+: Com	putation Not Defined	*: All major volume in platoon	

-				
Intersection				
Intersection Delay, s/veh	10.3			
Intersection LOS	В			
Approach	EB	WB	NB	
Entry Lanes	1	1	1	
Conflicting Circle Lanes	1	1	1	
Adj Approach Flow, veh/h	334	866	231	
Demand Flow Rate, veh/h	341	875	238	
Vehicles Circulating, veh/h	470	70	239	
Vehicles Exiting, veh/h	475	407	572	
Ped Vol Crossing Leg, #/h	0	0	0	
Ped Cap Adj	1.000	1.000	1.000	
Approach Delay, s/veh	9.1	12.0	5.5	
Approach LOS	А	В	Α	
Lane	Left	Left	Left	
Designated Moves	TR	LT	LR	
Assumed Moves	TR	LT	LR	
RT Channelized				
Lane Util	1.000	1.000	1.000	
Follow-Up Headway, s	2.609	2.609	2.609	
Critical Headway, s	4.976	4.976	4.976	
Entry Flow, veh/h	341	875	238	
Entry Flow, veh/h Cap Entry Lane, veh/h				
Cap Entry Lane, veh/h Entry HV Adj Factor	341 854 0.980	875 1285 0.990	238 1081 0.971	
Cap Entry Lane, veh/h Entry HV Adj Factor Flow Entry, veh/h	341 854 0.980 334	875 1285 0.990 866	238 1081 0.971 231	
Cap Entry Lane, veh/h Entry HV Adj Factor Flow Entry, veh/h Cap Entry, veh/h	341 854 0.980 334 838	875 1285 0.990 866 1272	238 1081 0.971 231 1050	
Cap Entry Lane, veh/h Entry HV Adj Factor Flow Entry, veh/h Cap Entry, veh/h V/C Ratio	341 854 0.980 334 838 0.399	875 1285 0.990 866 1272 0.681	238 1081 0.971 231 1050 0.220	
Cap Entry Lane, veh/h Entry HV Adj Factor Flow Entry, veh/h Cap Entry, veh/h V/C Ratio Control Delay, s/veh	341 854 0.980 334 838 0.399 9.1	875 1285 0.990 866 1272 0.681 12.0	238 1081 0.971 231 1050 0.220 5.5	
Cap Entry Lane, veh/h Entry HV Adj Factor Flow Entry, veh/h Cap Entry, veh/h V/C Ratio	341 854 0.980 334 838 0.399	875 1285 0.990 866 1272 0.681	238 1081 0.971 231 1050 0.220	

Intersection		
Intersection Delay, s/ve	eh35.8	
Intersection LOS	Е	

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	
Lane Configurations	- 1	1>			4			4			4		
Traffic Vol, veh/h	104	12	173	1	22	18	330	152	6	33	159	283	
Future Vol, veh/h	104	12	173	1	22	18	330	152	6	33	159	283	
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	
Heavy Vehicles, %	3	3	3	3	3	3	2	2	2	2	2	2	
Mvmt Flow	116	13	192	1	24	20	367	169	7	37	177	314	
Number of Lanes	1	1	0	0	1	0	0	1	0	0	1	0	
Approach	EB			WB			NB			SB			
Opposing Approach	WB			EB			SB			NB			
Opposing Lanes	1			2			1			1			
Conflicting Approach Le	eft SB			NB			EB			WB			
Conflicting Lanes Left	1			1			2			1			
Conflicting Approach Ri	igh l NB			SB			WB			EB			
Conflicting Lanes Right	1			1			1			2			
HCM Control Delay	14.3			12.1			50.7			35.5			
HCM LOS	В			В			F			Е			

Lane	NBLn1	EBLn1	EBLn2V	VBLn1	SBLn1
Vol Left, %	68%	100%	0%	2%	7%
Vol Thru, %	31%	0%	6%	54%	33%
Vol Right, %	1%	0%	94%	44%	60%
Sign Control	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	488	104	185	41	475
LT Vol	330	104	0	1	33
Through Vol	152	0	12	22	159
RT Vol	6	0	173	18	283
Lane Flow Rate	542	116	206	46	528
Geometry Grp	2	7	7	5	2
Degree of Util (X)	0.947	0.264	0.401	0.103	0.865
Departure Headway (Hd)	6.286	8.215	7.025	8.145	5.901
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes
Cap	575	437	512	443	612
Service Time	4.339	5.978	4.787	6.145	3.954
HCM Lane V/C Ratio	0.943	0.265	0.402	0.104	0.863
HCM Control Delay	50.7	13.9	14.5	12.1	35.5
HCM Lane LOS	F	В	В	В	Е
HCM 95th-tile Q	12.4	1	1.9	0.3	9.8

Intersection						
Int Delay, s/veh	0					
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	†	LDIX	7	↑	14	HOIL
Traffic Vol, veh/h	352	0	0	619	0	0
Future Vol, veh/h	352	0	0	619	0	0
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-		-		- -	None
Storage Length	-	-	100	-	0	-
Veh in Median Storage,		_	-	0	0	_
Grade, %	0	_	_	0	0	_
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	4	4	4	4	2	2
Mvmt Flow	383	0	0	673	0	0
WWITH I IOW	303	U	U	013	U	U
Major/Minor M	1ajor1	N	Major2	N	Minor1	
Conflicting Flow All	0	0	383	0	1056	192
Stage 1	-	-	-	-	383	-
Stage 2	-	-	-	-	673	-
Critical Hdwy	-	-	4.16	-	6.63	6.93
Critical Hdwy Stg 1	-	-	-	-	5.83	-
Critical Hdwy Stg 2	-	_	-	-	5.43	_
Follow-up Hdwy	-	-	2.238	_	3.519	3.319
Pot Cap-1 Maneuver	-	_	1161	_	235	818
Stage 1		-	_	-	660	-
Stage 2	-	_	_	-	506	_
Platoon blocked, %	-	_		-		
Mov Cap-1 Maneuver	_	_	1161	_	235	818
Mov Cap-2 Maneuver	-	_	-	-	235	-
Stage 1	_	_	_	_	660	_
Stage 2	_	_	-	_	506	_
Olage 2	_	_	_	_	300	_
Approach	EB		WB		NB	
HCM Control Delay, s	0		0		0	
HCM LOS					Α	
Minor Lane/Major Mvmt		NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)		-	-		1161	-
HCM Lane V/C Ratio		-	-	-	-	-
HCM Control Delay (s) HCM Lane LOS		0	-	-	0	-
HUM Land LOS		Α	-	-	Α	-
HCM 95th %tile Q(veh)		_	_	_	0	_

05/28/2021

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Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	7	↑	7	7	₽			4	7		➾	
Traffic Volume (veh/h)	8	797	186	149	607	0	85	4	332	4	0	0
Future Volume (veh/h)	8	797	186	149	607	0	85	4	332	4	0	0
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1767	1767	1767	1663	1663	1663	1796	1796	1796	1530	1530	1530
Adj Flow Rate, veh/h	8	830	194	155	632	0	89	4	346	4	0	0
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Percent Heavy Veh, %	9	9	9	16	16	16	7	7	7	25	25	25
Cap, veh/h	360	953	808	250	986	0	402	16	450	243	0	0
Arrive On Green	0.01	0.54	0.54	0.06	0.59	0.00	0.23	0.23	0.23	0.23	0.00	0.00
Sat Flow, veh/h	1682	1767	1497	1584	1663	0	1376	70	1522	683	0	0
Grp Volume(v), veh/h	8	830	194	155	632	0	93	0	346	4	0	0
Grp Sat Flow(s), veh/h/ln	1682	1767	1497	1584	1663	0	1446	0	1522	683	0	0
Q Serve(g_s), s	0.2	34.6	5.8	3.4	21.2	0.0	0.0	0.0	17.6	0.3	0.0	0.0
Cycle Q Clear(g_c), s	0.2	34.6	5.8	3.4	21.2	0.0	3.7	0.0	17.6	4.1	0.0	0.0
Prop In Lane	1.00	0 110	1.00	1.00	_ ,,_	0.00	0.96	0.0	1.00	1.00	0.0	0.00
Lane Grp Cap(c), veh/h	360	953	808	250	986	0.00	418	0	450	243	0	0.00
V/C Ratio(X)	0.02	0.87	0.24	0.62	0.64	0.00	0.22	0.00	0.77	0.02	0.00	0.00
Avail Cap(c_a), veh/h	462	1447	1227	728	1558	0.00	432	0.00	465	252	0.00	0.00
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	0.00	1.00	0.00	1.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	10.3	17.0	10.3	17.7	11.3	0.0	26.5	0.0	27.2	28.1	0.0	0.0
Incr Delay (d2), s/veh	0.0	4.4	0.2	0.9	0.8	0.0	0.1	0.0	6.6	0.0	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.1	12.6	1.7	1.6	6.4	0.0	1.5	0.0	6.9	0.1	0.0	0.0
Unsig. Movement Delay, s/veh		12.0	1.7	1.0	0.4	0.0	1.0	0.0	0.3	0.1	0.0	0.0
LnGrp Delay(d),s/veh	10.3	21.4	10.5	18.6	12.2	0.0	26.6	0.0	33.9	28.1	0.0	0.0
LnGrp LOS	10.3 B	21. 4 C	10.3 B	В	12.2 B	Α	20.0 C	Α	33.9 C	Z0.1	Α	Α
	Ь		ь	Ь		^			<u> </u>			
Approach Vol, veh/h		1032			787			439			4	
Approach Delay, s/veh		19.2			13.4			32.3			28.1	
Approach LOS		В			В			С			С	
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	9.4	51.3		24.2	4.9	55.8		24.2				
Change Period (Y+Rc), s	4.0	5.5		4.5	4.0	5.5		4.5				
Max Green Setting (Gmax), s	31.0	69.5		20.5	6.0	79.5		20.5				
Max Q Clear Time (g_c+l1), s	5.4	36.6		6.1	2.2	23.2		19.6				
Green Ext Time (p_c), s	0.1	9.1		0.0	0.0	5.6		0.1				
Intersection Summary												
HCM 6th Ctrl Delay			19.8									
HCM 6th LOS			В									
Notes												

Intersection							
Int Delay, s/veh	5.8						
Movement	EBT	EBR	WBL	WBT	NBL	NBR	J
Lane Configurations	†	7	7	405	450	107	
Traffic Vol, veh/h	522	329	68	135	156	127	
Future Vol, veh/h	522	329	68	135	156	127	
Conflicting Peds, #/hr		_ 0	_ 0	_ 0	0	0	
Sign Control	Free	Free	Free	Free	Stop	Stop	
RT Channelized	-	Yield	-		-	None	
Storage Length	-	215	190	-	0	210	
Veh in Median Storag	je,# 0	-	-	0	0	-	
Grade, %	0	-	-	0	0	-	
Peak Hour Factor	93	93	93	93	93	93	
Heavy Vehicles, %	1	1	13	13	15	15	
Mvmt Flow	561	354	73	145	168	137	
Major/Minor	Major1	ı	Majora	,	Minor1		
Major/Minor	Major1		Major2		Minor1	F04	
Conflicting Flow All	0	0	561	0	852	561	
Stage 1	-	-	-	-	561	-	
Stage 2	-	-	-	-	291	-	
Critical Hdwy	-	-	4.23	-	6.55	6.35	
Critical Hdwy Stg 1	-	-	-	-	5.55	-	
Critical Hdwy Stg 2	-	-	-	-	5.55	-	
Follow-up Hdwy	-	-	2.317	-		3.435	
Pot Cap-1 Maneuver	-	-	958	-	313	503	
Stage 1	-	-	-	-	546	-	
Stage 2	-	-	-	-	730	-	
Platoon blocked, %	-	-		-			
Mov Cap-1 Maneuve	r -	-	958	-	289	503	
Mov Cap-2 Maneuve		-	-	-	289	-	
Stage 1	-	-	-	-	546	-	
Stage 2	-	_	_	_	675	_	
3							
			1				
Approach	EB		WB		NB		
HCM Control Delay, s	s 0		3		25.1		
HCM LOS					D		
Minor Lane/Major Mv	mt I	NBLn11	VIRI n2	EBT	EBR	WBL	
	mt I						
Capacity (veh/h)		289	503	-	-	958	
HCM Lane V/C Ratio			0.271	-	-	0.076	
HCM Control Delay (s	S)	33.4	14.8	-	-	9.1	
HCM Lane LOS		D	В	-	-	Α	
HCM 95th %tile Q(ve	h)	3.4	1.1	-	-	0.2	

Intersection				
Intersection Delay, s/veh	10.1			
Intersection LOS	В			
Approach	EB	WB	NB	
Entry Lanes	1	1	1	
Conflicting Circle Lanes	1	1	1	
Adj Approach Flow, veh/h	539	320	569	
Demand Flow Rate, veh/h	550	323	575	
Vehicles Circulating, veh/h	112	63	458	
Vehicles Exiting, veh/h	274	970	204	
Ped Vol Crossing Leg, #/h	0	0	0	
Ped Cap Adj	1.000	1.000	1.000	
Approach Delay, s/veh	7.6	5.0	15.5	
Approach LOS	А	А	С	
Lane	Left	Left	Left	
Designated Moves	TR	LT	LR	
_ 55.5.14154 1115155	113	LI	LIX	
Assumed Moves	TR	LT	LR	
Assumed Moves				
Assumed Moves RT Channelized	TR	LT	LR	
Assumed Moves RT Channelized Lane Util	TR 1.000 2.609 4.976	LT 1.000 2.609 4.976	LR 1.000	
Assumed Moves RT Channelized Lane Util Follow-Up Headway, s Critical Headway, s Entry Flow, veh/h	TR 1.000 2.609 4.976 550	1.000 2.609 4.976 323	LR 1.000 2.609	
Assumed Moves RT Channelized Lane Util Follow-Up Headway, s Critical Headway, s	TR 1.000 2.609 4.976 550 1231	LT 1.000 2.609 4.976	LR 1.000 2.609 4.976 575 865	
Assumed Moves RT Channelized Lane Util Follow-Up Headway, s Critical Headway, s Entry Flow, veh/h	TR 1.000 2.609 4.976 550	1.000 2.609 4.976 323	LR 1.000 2.609 4.976 575	
Assumed Moves RT Channelized Lane Util Follow-Up Headway, s Critical Headway, s Entry Flow, veh/h Cap Entry Lane, veh/h	TR 1.000 2.609 4.976 550 1231	LT 1.000 2.609 4.976 323 1294	LR 1.000 2.609 4.976 575 865	
Assumed Moves RT Channelized Lane Util Follow-Up Headway, s Critical Headway, s Entry Flow, veh/h Cap Entry Lane, veh/h Entry HV Adj Factor Flow Entry, veh/h Cap Entry, veh/h	TR 1.000 2.609 4.976 550 1231 0.980	1.000 2.609 4.976 323 1294 0.990	LR 1.000 2.609 4.976 575 865 0.990	
Assumed Moves RT Channelized Lane Util Follow-Up Headway, s Critical Headway, s Entry Flow, veh/h Cap Entry Lane, veh/h Entry HV Adj Factor Flow Entry, veh/h Cap Entry, veh/h	TR 1.000 2.609 4.976 550 1231 0.980 539	1.000 2.609 4.976 323 1294 0.990 320	LR 1.000 2.609 4.976 575 865 0.990 569	
Assumed Moves RT Channelized Lane Util Follow-Up Headway, s Critical Headway, s Entry Flow, veh/h Cap Entry Lane, veh/h Entry HV Adj Factor Flow Entry, veh/h Cap Entry, veh/h V/C Ratio Control Delay, s/veh	TR 1.000 2.609 4.976 550 1231 0.980 539 1206	1.000 2.609 4.976 323 1294 0.990 320 1282	LR 1.000 2.609 4.976 575 865 0.990 569 856	
Assumed Moves RT Channelized Lane Util Follow-Up Headway, s Critical Headway, s Entry Flow, veh/h Cap Entry Lane, veh/h Entry HV Adj Factor Flow Entry, veh/h Cap Entry, veh/h V/C Ratio	TR 1.000 2.609 4.976 550 1231 0.980 539 1206 0.447	1.000 2.609 4.976 323 1294 0.990 320 1282 0.250	LR 1.000 2.609 4.976 575 865 0.990 569 856 0.665	

Intersection		
Intersection Delay, s/veh	15	
Intersection LOS	В	

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	
Lane Configurations	1	1,			4			4			4		
Traffic Vol, veh/h	279	7	227	5	23	26	139	150	3	5	123	70	
Future Vol, veh/h	279	7	227	5	23	26	139	150	3	5	123	70	
Peak Hour Factor	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	
Heavy Vehicles, %	4	4	4	4	4	4	7	7	7	6	6	6	
Mvmt Flow	307	8	249	5	25	29	153	165	3	5	135	77	
Number of Lanes	1	1	0	0	1	0	0	1	0	0	1	0	
Approach	EB			WB			NB			SB			
Opposing Approach	WB			EB			SB			NB			
Opposing Lanes	1			2			1			1			
Conflicting Approach Le	eft SB			NB			EB			WB			
Conflicting Lanes Left	1			1			2			1			
Conflicting Approach Ri	ghtNB			SB			WB			EB			
Conflicting Lanes Right	1			1			1			2			
HCM Control Delay	15.6			10.3			16.4			12.6			
HCM LOS	С			В			С			В			

Lane	NBLn1	EBLn1	EBLn2V	VBLn1	SBLn1
Vol Left, %	48%	100%	0%	9%	3%
Vol Thru, %	51%	0%	3%	43%	62%
Vol Right, %	1%	0%	97%	48%	35%
Sign Control	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	292	279	234	54	198
LT Vol	139	279	0	5	5
Through Vol	150	0	7	23	123
RT Vol	3	0	227	26	70
Lane Flow Rate	321	307	257	59	218
Geometry Grp	2	7	7	5	2
Degree of Util (X)	0.546	0.58	0.401	0.106	0.365
Departure Headway (Hd)	6.126	6.807	5.609	6.424	6.034
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes
Cap	587	530	640	553	594
Service Time	4.188	4.566	3.367	4.517	4.104
HCM Lane V/C Ratio	0.547	0.579	0.402	0.107	0.367
HCM Control Delay	16.4	18.6	12.1	10.3	12.6
HCM Lane LOS	С	С	В	В	В
HCM 95th-tile Q	3.3	3.7	1.9	0.4	1.7

Intersection						
Int Delay, s/veh	0.6					
<u> </u>		EDD	WDL	WDT	NDL	NDD
	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↑ ↑	0.4	1	100	***	_
Traffic Vol, veh/h	615	34	41	199	4	6
Future Vol, veh/h	615	34	41	199	4	6
Conflicting Peds, #/hr	_ 0	_ 0	_ 0	_ 0	0	0
	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-		-	None
Storage Length	-	-	100	-	0	-
Veh in Median Storage, #		-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	1	1	13	13	2	2
Mvmt Flow	668	37	45	216	4	7
Major/Minor Ma	ajor1	N	Major2		Minor1	
						252
Conflicting Flow All	0	0	705	0	993	353
Stage 1	-	-	-	-	687	-
Stage 2	-	-	-	-	306	-
Critical Hdwy	-	-	4.295	-	6.63	6.93
Critical Hdwy Stg 1	-	-	-	-	5.83	-
Critical Hdwy Stg 2	-	-	-	-	5.43	-
Follow-up Hdwy	-	- 2	2.3235	-		3.319
Pot Cap-1 Maneuver	-	-	832	-	257	644
Stage 1	-	-	-	-	462	-
Stage 2	-	-	-	-	746	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	832	_	243	644
Mov Cap-2 Maneuver	-	-	-	-	243	-
Stage 1	-	-	_	_	462	_
Stage 2		_	-	-	706	_
Jugo 2					, 00	
Approach	EB		WB		NB	
HCM Control Delay, s	0		1.6		14.5	
HCM LOS					В	
Minor Lane/Major Mvmt	N	NBLn1	EBT	EBR	WBL	WBT
	<u> </u>	388			832	
Capacity (veh/h)			-	-		-
HCM Control Doloy (a)		0.028	-		0.054	-
HCM Control Delay (s)		14.5 B	-	-	9.6	-
		- н	_	-	Α	_
HCM Lane LOS HCM 95th %tile Q(veh)		0.1	_	_	0.2	_

HCM 6th Signalized Intersection Summary 1: SW Oregon Road & SW Tualatin-Sherwood Road

05/28/2021

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Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↑	7	7	₽			स	7		4	
Traffic Volume (veh/h)	4	892	167	362	879	12	128	0	263	30	30	12
Future Volume (veh/h)	4	892	167	362	879	12	128	0	263	30	30	12
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1841	1841	1841	1856	1856	1856	1841	1841	1841	1900	1900	1900
Adj Flow Rate, veh/h	4	959	180	389	945	13	138	0	283	32	32	13
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
Percent Heavy Veh, %	4	4	4	3	3	3	4	4	4	0	0	0
Cap, veh/h	9	989	838	413	1323	18	185	0	551	40	34	7
Arrive On Green	0.01	0.54	0.54	0.19	0.72	0.72	0.16	0.00	0.16	0.16	0.16	0.16
Sat Flow, veh/h	1753	1841	1560	1767	1826	25	803	0	1560	0	209	43
Grp Volume(v), veh/h	4	959	180	389	0	958	138	0	283	77	0	0
Grp Sat Flow(s), veh/h/ln	1753	1841	1560	1767	0	1851	803	0	1560	252	0	0
Q Serve(g_s), s	0.3	64.2	7.7	22.3	0.0	37.7	0.0	0.0	18.3	0.0	0.0	0.0
Cycle Q Clear(g_c), s	0.3	64.2	7.7	22.3	0.0	37.7	20.5	0.0	18.3	20.5	0.0	0.0
Prop In Lane	1.00	0112	1.00	1.00	0.0	0.01	1.00	0.0	1.00	0.42	0.0	0.17
Lane Grp Cap(c), veh/h	9	989	838	413	0	1341	185	0	551	80	0	0.17
V/C Ratio(X)	0.44	0.97	0.21	0.94	0.00	0.71	0.74	0.00	0.51	0.96	0.00	0.00
Avail Cap(c_a), veh/h	82	1003	850	502	0.00	1341	185	0.00	551	80	0.00	0.00
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	63.3	28.5	15.4	42.3	0.0	10.0	54.2	0.0	32.6	53.7	0.0	0.0
Incr Delay (d2), s/veh	11.9	21.3	0.2	22.3	0.0	1.9	13.4	0.0	0.4	85.0	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.2	31.6	2.6	14.3	0.0	13.0	5.1	0.0	6.9	4.4	0.0	0.0
Unsig. Movement Delay, s/veh		31.0	2.0	17.0	0.0	10.0	J. I	0.0	0.3	7.7	0.0	0.0
LnGrp Delay(d),s/veh	75.2	49.9	15.6	64.6	0.0	12.0	67.6	0.0	33.0	138.8	0.0	0.0
LnGrp LOS	73.2 E	49.9 D	13.0 B	04.0 E	Α	12.0 B	07.0 E	Α	33.0 C	130.0 F	Α	Α
			ь			В				Г	77	
Approach Vol, veh/h		1143			1347			421				
Approach Delay, s/veh		44.6			27.2			44.3			138.8	
Approach LOS		D			С			D			F	
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	28.5	74.0		25.0	4.7	97.9		25.0				
Change Period (Y+Rc), s	4.0	5.5		4.5	4.0	5.5		4.5				
Max Green Setting (Gmax), s	31.0	69.5		20.5	6.0	79.5		20.5				
Max Q Clear Time (g_c+l1), s	24.3	66.2		22.5	2.3	39.7		22.5				
Green Ext Time (p_c), s	0.2	2.3		0.0	0.0	10.8		0.0				
Intersection Summary												
HCM 6th Ctrl Delay			39.1									
HCM 6th LOS			D									
Notes												

User approved pedestrian interval to be less than phase max green.

Intersection				
Intersection Delay, s/veh13	3.8			
Intersection LOS	В			
Approach	EB	WB	NB	R
Entry Lanes	1	1	1	<u> </u>
Conflicting Circle Lanes	1	1	1	1
Adj Approach Flow, veh/h	449	706	480	0
Demand Flow Rate, veh/h	467	734	489	
Vehicles Circulating, veh/h	218	379	290	0
Vehicles Exiting, veh/h	895	400	395	15
Ped Vol Crossing Leg, #/h	0	0	0	0
Ped Cap Adj	1.000	1.000	1.000	0
Approach Delay, s/veh	8.0	20.6	9.2	.2
Approach LOS	Α	С	Α	Α
	-		1 6	
Lane L	eft	Left	Left	
	ett FR	Left LT	Left LR	
Designated Moves				
Designated Moves	ΓR	LT	LR	
Designated Moves Assumed Moves RT Channelized Lane Util 1.0	TR TR 00	LT	LR LR 1.000	
Designated Moves Assumed Moves RT Channelized	TR TR 00	LT LT	LR LR	
Designated Moves Assumed Moves RT Channelized Lane Util 1.0 Follow-Up Headway, s 2.6 Critical Headway, s 4.9	TR TR 00 09 76	LT LT 1.000 2.609 4.976	LR LR 1.000 2.609 4.976	
Designated Moves Assumed Moves RT Channelized Lane Util 1.0 Follow-Up Headway, s 2.6 Critical Headway, s 4.9 Entry Flow, veh/h 4	TR TR 00 09 76 67	LT LT 1.000 2.609 4.976 734	LR LR 1.000 2.609 4.976 489	
Designated Moves Assumed Moves RT Channelized Lane Util 1.0 Follow-Up Headway, s 2.6 Critical Headway, s 4.9 Entry Flow, veh/h 4 Cap Entry Lane, veh/h 11	TR TR 00 09 76 67 05	LT LT 1.000 2.609 4.976 734 937	LR LR 1.000 2.609 4.976 489 1027	
Designated Moves Assumed Moves RT Channelized Lane Util 1.0 Follow-Up Headway, s 2.6 Critical Headway, s 4.9 Entry Flow, veh/h 4 Cap Entry Lane, veh/h 11 Entry HV Adj Factor 0.9	TR TR 00 09 76 67 05 61	LT LT 1.000 2.609 4.976 734 937 0.962	LR LR 1.000 2.609 4.976 489 1027 0.982	
Designated Moves Assumed Moves RT Channelized Lane Util 1.0 Follow-Up Headway, s 2.6 Critical Headway, s 4.9 Entry Flow, veh/h 4 Cap Entry Lane, veh/h 11 Entry HV Adj Factor 0.9 Flow Entry, veh/h 4	TR TR 00 09 76 67 05 61	LT LT 1.000 2.609 4.976 734 937 0.962 706	LR LR 1.000 2.609 4.976 489 1027 0.982 480	
Designated Moves Assumed Moves RT Channelized Lane Util 1.0 Follow-Up Headway, s 2.6 Critical Headway, s 4.9 Entry Flow, veh/h 4 Cap Entry Lane, veh/h 11 Entry HV Adj Factor 0.9 Flow Entry, veh/h 4 Cap Entry, veh/h 10	TR TR 00 09 76 67 05 61 49	LT LT 1.000 2.609 4.976 734 937 0.962 706 902	LR LR 1.000 2.609 4.976 489 1027 0.982 480 1008	
Designated Moves Assumed Moves RT Channelized Lane Util 1.0 Follow-Up Headway, s 2.6 Critical Headway, s 4.9 Entry Flow, veh/h 4 Cap Entry Lane, veh/h 11 Entry HV Adj Factor 0.9 Flow Entry, veh/h 4 Cap Entry, veh/h 10 V/C Ratio 0.4	TR TR 00 09 76 67 05 61 49 62	LT LT 1.000 2.609 4.976 734 937 0.962 706 902 0.783	LR LR 1.000 2.609 4.976 489 1027 0.982 480 1008 0.476	
Designated Moves Assumed Moves RT Channelized Lane Util 1.0 Follow-Up Headway, s 2.6 Critical Headway, s 4.9 Entry Flow, veh/h 4 Cap Entry Lane, veh/h 11 Entry HV Adj Factor 0.9 Flow Entry, veh/h 4 Cap Entry, veh/h 10 V/C Ratio 0.4 Control Delay, s/veh	TR TR 00 09 76 67 05 61 49 62 23	LT LT 1.000 2.609 4.976 734 937 0.962 706 902 0.783 20.6	LR LR 1.000 2.609 4.976 489 1027 0.982 480 1008 0.476 9.2	
Designated Moves Assumed Moves RT Channelized Lane Util 1.0 Follow-Up Headway, s 2.6 Critical Headway, s 4.9 Entry Flow, veh/h 4 Cap Entry Lane, veh/h 11 Entry HV Adj Factor 0.9 Flow Entry, veh/h 4 Cap Entry, veh/h 10 V/C Ratio 0.4	TR TR 00 09 76 67 05 61 49 62	LT LT 1.000 2.609 4.976 734 937 0.962 706 902 0.783	LR LR 1.000 2.609 4.976 489 1027 0.982 480 1008 0.476	

Intersection			
Intersection Delay, s/veh10	.5		
Intersection LOS	В		
Approach	EB	WB	NB
Entry Lanes	1	1	1
Conflicting Circle Lanes	1	1	1
Adj Approach Flow, veh/h	334	876	232
Demand Flow Rate, veh/h	341	885	239
Vehicles Circulating, veh/h	480	70	239
Vehicles Exiting, veh/h	475	408	582
Ped Vol Crossing Leg, #/h	0	0	0
Ped Cap Adj	1.000	1.000	1.000
Approach Delay, s/veh	9.3	12.3	5.5
Approach LOS	Α	В	А
Lane Le	eft	Left	Left
Designated Moves T	·R	LT	LR
	R	LT	LR
RT Channelized			
Lane Util 1.00	00		
	,,,	1.000	1.000
Follow-Up Headway, s 2.60		1.000 2.609	1.000 2.609
Follow-Up Headway, s 2.60 Critical Headway, s 4.97)9		
Critical Headway, s 4.97 Entry Flow, veh/h 34)9 76 11	2.609	2.609 4.976 239
Critical Headway, s 4.97 Entry Flow, veh/h 34 Cap Entry Lane, veh/h 84	09 76 41 46	2.609 4.976	2.609 4.976
Critical Headway, s 4.97 Entry Flow, veh/h 34	09 76 41 46	2.609 4.976 885	2.609 4.976 239
Critical Headway, s 4.97 Entry Flow, veh/h 34 Cap Entry Lane, veh/h 84 Entry HV Adj Factor 0.98 Flow Entry, veh/h 33	09 76 41 46 30	2.609 4.976 885 1285 0.990 876	2.609 4.976 239 1081
Critical Headway, s 4.97 Entry Flow, veh/h 34 Cap Entry Lane, veh/h 84 Entry HV Adj Factor 0.98 Flow Entry, veh/h 33 Cap Entry, veh/h 82	09 76 41 46 30 34	2.609 4.976 885 1285 0.990	2.609 4.976 239 1081 0.971 232 1050
Critical Headway, s 4.97 Entry Flow, veh/h 34 Cap Entry Lane, veh/h 84 Entry HV Adj Factor 0.98 Flow Entry, veh/h 33 Cap Entry, veh/h 82 V/C Ratio 0.46	09 76 41 46 80 84 29	2.609 4.976 885 1285 0.990 876 1272 0.689	2.609 4.976 239 1081 0.971 232 1050 0.221
Critical Headway, s 4.97 Entry Flow, veh/h 34 Cap Entry Lane, veh/h 84 Entry HV Adj Factor 0.98 Flow Entry, veh/h 33 Cap Entry, veh/h 82 V/C Ratio 0.40 Control Delay, s/veh 9	09 76 41 46 80 84 29 03	2.609 4.976 885 1285 0.990 876 1272 0.689 12.3	2.609 4.976 239 1081 0.971 232 1050 0.221 5.5
Critical Headway, s 4.97 Entry Flow, veh/h 34 Cap Entry Lane, veh/h 84 Entry HV Adj Factor 0.98 Flow Entry, veh/h 33 Cap Entry, veh/h 82 V/C Ratio 0.40 Control Delay, s/veh 9	09 76 41 46 80 84 29	2.609 4.976 885 1285 0.990 876 1272 0.689	2.609 4.976 239 1081 0.971 232 1050 0.221

Intersection												
Intersection Delay, s/v	eh17.5											
Intersection LOS	С											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	*	f			4		- 1	1			ন	7
Traffic Vol, veh/h	105	12	173	1	22	18	330	152	6	33	159	293
Future Vol, veh/h	105	12	173	1	22	18	330	152	6	33	159	293
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Heavy Vehicles, %	3	3	3	3	3	3	2	2	2	2	2	2
Mvmt Flow	117	13	192	1	24	20	367	169	7	37	177	326
Number of Lanes	1	1	0	0	1	0	1	1	0	0	1	1
Annroach	ER			W/R			NR			QR.		

Approach	EB	WB	NB	SB	
Opposing Approach	WB	EB	SB	NB	
Opposing Lanes	1	2	2	2	
Conflicting Approach Le	ft SB	NB	EB	WB	
Conflicting Lanes Left	2	2	2	1	
Conflicting Approach Rig	gh N B	SB	WB	EB	
Conflicting Lanes Right	2	2	1	2	
HCM Control Delay	13.7	12	22.5	15.2	
HCM LOS	В	В	С	С	

Lane	NBLn1	NBLn2	EBLn1	EBLn2\	VBLn1	SBLn1	SBLn2
Vol Left, %	100%	0%	100%	0%	2%	17%	0%
Vol Thru, %	0%	96%	0%	6%	54%	83%	0%
Vol Right, %	0%	4%	0%	94%	44%	0%	100%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	330	158	105	185	41	192	293
LT Vol	330	0	105	0	1	33	0
Through Vol	0	152	0	12	22	159	0
RT Vol	0	6	0	173	18	0	293
Lane Flow Rate	367	176	117	206	46	213	326
Geometry Grp	7	7	7	7	6	7	7
Degree of Util (X)	0.734	0.325	0.26	0.385	0.101	0.407	0.549
Departure Headway (Hd)	7.202	6.664	8.018	6.869	8.019	6.874	6.071
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Cap	506	542	449	526	447	525	596
Service Time	4.914	4.377	5.751	4.569	6.058	4.588	3.785
HCM Lane V/C Ratio	0.725	0.325	0.261	0.392	0.103	0.406	0.547
HCM Control Delay	27.3	12.6	13.6	13.8	12	14.2	15.9
HCM Lane LOS	D	В	В	В	В	В	С
HCM 95th-tile Q	6.1	1.4	1	1.8	0.3	2	3.3

Intersection						
Int Delay, s/veh	1.1					
<u> </u>		EDD	WDI	WDT	NDL	NDD
	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	^	4	<u>`</u>	1010	* ****	00
Traffic Vol, veh/h	352	4	6	619	30	36
Future Vol, veh/h	352	4	6	619	30	36
Conflicting Peds, #/hr	_ 0	_ 0	_ 0	_ 0	0	0
	Free	Free	Free	Free	Stop	Stop
RT Channelized	-		-		-	None
Storage Length	-	-	100	-	0	-
Veh in Median Storage,		-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	4	4	4	4	2	2
Mvmt Flow	383	4	7	673	33	39
Major/Minor Ma	ajor1	N	Major2		Minor1	
Conflicting Flow All	0	0	387	0	1072	194
					385	
Stage 1	-	-	-	-		-
Stage 2	-	-	4.40	-	687	-
Critical Hdwy	-	-	4.16	-	6.63	6.93
Critical Hdwy Stg 1	-	-	-	-	5.83	-
Critical Hdwy Stg 2	-	-	-	-	5.43	-
Follow-up Hdwy	-	-	2.238	-		3.319
Pot Cap-1 Maneuver	-	-	1157	-	229	815
Stage 1	-	-	-	-	658	-
Stage 2	-	-	-	-	498	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	1157	-	228	815
Mov Cap-2 Maneuver	-	-	-	-	228	-
Stage 1	-	-	-	-	658	-
Stage 2	-	-	-	-	495	_
<u> </u>						
Approach	EB		WB		NB	
HCM Control Delay, s	0		0.1		16.8	
HCM LOS					С	
Minor Lane/Major Mvmt	1	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)		376			1157	_
HCM Lane V/C Ratio		0.191	_		0.006	_
HCM Control Delay (s)		16.8	_	_	8.1	_
HCM Lane LOS		C	_	_	Α	_
HCM 95th %tile Q(veh)		0.7	_	_	0	_
How Jour Joure Q(veri)		0.1	_		J	

Intersection								
Int Delay, s/veh	134.9							
Movement	EBT	EBR	WBL	WBT	NBL	NBR		
Lane Configurations	†	7	Ť	^	7	7		
Traffic Vol, veh/h	257	156	193	456	342	99		
Future Vol., veh/h	257	156	193	456	342	99		
Conflicting Peds, #/hr	0	0	0	0	0	0		
Sign Control	Free	Free	Free	Free	Stop	Stop		
RT Channelized	_	Yield	_		_			
Storage Length	_	215	190	_	0	210		
Veh in Median Storage	, # 0		_	0	0			
Grade, %	0	_	_	0	0	_		
Peak Hour Factor	92	92	92	92	92	92		
Heavy Vehicles, %	4	4	4	4	2	2		
Mvmt Flow	279	170	210	496	372	108		
IVIVIIIL I IOW	213	170	210	430	312	100		
Major/Minor I	Major1		Major2	1	Minor1			
Conflicting Flow All	0	0	279	0	1195	279		
Stage 1	-	-		-	279	_		
Stage 2	_	_	_	_	916	_		
Critical Hdwy	_	_	4.14	_	6.42	6.22		
Critical Hdwy Stg 1	_	_	7.17	_	5.42	0.22 <u>-</u>		
Critical Hdwy Stg 2	_		_	_	5.42	_		
Follow-up Hdwy		_	2.236	-	3.518			
Pot Cap-1 Maneuver	_		1272		~ 206	760		
Stage 1	-	-	1212	_	768	700		
Stage 2	-	-	-	_	390	_		
Platoon blocked, %	-	-	_	-	390			
Mov Cap-1 Maneuver		-	1272	-	~ 172	760		
	-	-			~ 172			
Mov Cap-2 Maneuver	-	-	-	-	768	-		
Stage 1	-		-	-	~ 326	-		
Stage 2	-	-	-	-	~ 326	-		
Approach	EB		WB		NB			
HCM Control Delay, s	0		2.5		\$ 456			
HCM LOS	U		2.0		ψ 430 F			
I IOWI LOG					1			
Minor Lane/Major Mvm	nt 1	NBLn1i	NBLn2	EBT	EBR	WBL	WBT	
Capacity (veh/h)		172	760			1272	-	
HCM Lane V/C Ratio		2.161		_		0.165	<u>-</u>	
HCM Control Delay (s)	¢	584.9	10.5	_	_	8.4	-	
HCM Control Delay (s) HCM Lane LOS	ψ	504.9 F	В	_	-	A	<u>-</u>	
HCM 95th %tile Q(veh	\	29.7	0.5		-	0.6	-	
)	23.1	0.0			0.0		
Notes								
~: Volume exceeds cap	oacity	\$: De	elay exc	eeds 3	00s	+: Com	putation Not Defined	*: All major volume in platoon

Intersection				
Intersection Delay, s/ve	eh37.2			
Intersection LOS	Е			

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	
Lane Configurations	*	1			4			4			4		
Traffic Vol, veh/h	105	12	173	1	22	18	330	152	6	33	159	293	
Future Vol, veh/h	105	12	173	1	22	18	330	152	6	33	159	293	
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	
Heavy Vehicles, %	3	3	3	3	3	3	2	2	2	2	2	2	
Mvmt Flow	117	13	192	1	24	20	367	169	7	37	177	326	
Number of Lanes	1	1	0	0	1	0	0	1	0	0	1	0	
Approach	EB			WB			NB			SB			
Opposing Approach	WB			EB			SB			NB			
Opposing Lanes	1			2			1			1			
Conflicting Approach Le	eft SB			NB			EB			WB			
Conflicting Lanes Left	1			1			2			1			
Conflicting Approach R	igh t NB			SB			WB			EB			
Conflicting Lanes Right	. 1			1			1			2			
HCM Control Delay	14.3			12.1			51.7			38.3			
HCM LOS	В			В			F			Е			

Lane	NBLn1	EBLn1	EBLn2V	VBLn1	SBLn1	1
Vol Left, %	68%	100%	0%	2%	7%	ó
Vol Thru, %	31%	0%	6%	54%	33%	0
Vol Right, %	1%	0%	94%	44%	60%	ó
Sign Control	Stop	Stop	Stop	Stop	Stop)
Traffic Vol by Lane	488	105	185	41	485	5
LT Vol	330	105	0	1	33	3
Through Vol	152	0	12	22	159)
RT Vol	6	0	173	18	293	3
Lane Flow Rate	542	117	206	46	539	9
Geometry Grp	2	7	7	5	2	2
Degree of Util (X)	0.951	0.267	0.403	0.103	0.885	5
Departure Headway (Hd)	6.317	8.25	7.059	8.103	5.91	1
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	3
Cap	575	435	508	440	614	1
Service Time	4.371	6.012	4.821	6.202	3.961	1
HCM Lane V/C Ratio	0.943	0.269	0.406	0.105	0.878	3
HCM Control Delay	51.7	14	14.5	12.1	38.3	3
HCM Lane LOS	F	В	В	В	Е	Ξ
HCM 95th-tile Q	12.6	1.1	1.9	0.3	10.5	5



Exhibit H: Neighborhood Meeting Documentation



PLANNING DEPARTMENT **NEIGHBORHOOD MEETING PACKET**

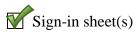
(Required for all Type III, IV or V projects)

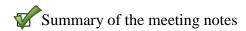
Submit the following with land use application materials to the City of Sherwood Planning Department, 22560 SW Pine St., Sherwood, OR 97140: (503) 625-5522.

The purpose of the neighborhood meeting is to solicit input and exchange information about the proposed development per Sherwood Zoning and Community Development Code 16.70.020. The meeting must be held in a public location **prior** to submitting a land use application.



Affidavits of mailing to adjacent property owners that are within 1,000 feet of the subject application.





(Projects requiring a neighborhood meeting in which the City or Urban Renewal District is the property owner or applicant shall also provide published and posted notice of the neighborhood meeting consistent with the notice requirements in 16.72.020.)

Affidavit of Mailing

DATE: June 8, 2021
STATE OF OREGON)
Washington County) Oregon Street Business Park
I, Mitchell Godwin, representative for the 21720 Sw Oregon St proposed development project do hereby certify that the attached notice to adjacent property owners and recognized neighborhood organizations that are within 1,000 feet of the subject project, was placed in a U.S. Postal receptacle on Owlow 2021.
Representatives Name: Mrtchell Godwin Name of the Organization: AKS Engineering + Forestry



June 8, 2021

RE: VIRTUAL NEIGHBORHOOD MEETING NOTICE

Land Use Application for a Business Park at 21720 SW Oregon Street

Dear Property Owner/Neighbor:

AKS Engineering & Forestry, LLC is holding a virtual neighborhood meeting regarding a ±9.23-acre site located at 21720 SW Oregon Street (Washington County Assessor's Map 2S 1 28C Tax Lot 500). The enclosed map shows the specific location of the project site east of the intersection of SW Oregon Street and SW Tonquin Road. The project involves a site plan review application for an industrial campus of five flex buildings (totaling ±90,800 square feet) and associated parking and landscaping and other site improvements. The site is zoned Employment Industrial and the planned buildings will primarily be for industrial tenants within a variety of spaces, but future commercial uses as allowed by the City of Sherwood's Zoning and Community Development Code (SZCDC) may also be possible.

You are invited to attend the virtual meeting on:

June 22, 2021 at 6:00 PM See enclosed instructions to join the meeting.

A Virtual Neighborhood Meeting will be held on June 22, 2021 to inform the community about our proposed project. Interested community members are encouraged to attend this meeting. We would like to take the opportunity to discuss the project in more detail with you prior to applying to the City of Sherwood.

The purpose of this virtual meeting is to provide a forum for the applicant and surrounding property owners/neighbors to review the proposal and to identify issues so that they may be considered before a land use application is submitted to the City of Sherwood. This meeting gives you the opportunity to share with us any special information you know about the property involved. We will attempt to answer questions which may be relevant to meeting development standards consistent with the SZCDC.

Please note this meeting will be an informational meeting on preliminary development plans and may be recorded. These plans may be altered prior to submittal of the application to the City of Sherwood.

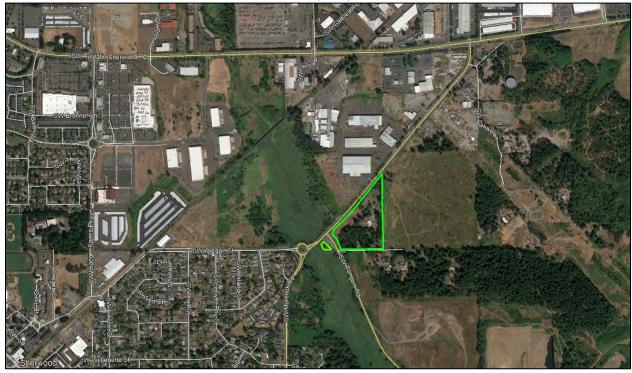
I look forward to discussing this project with you. If you have questions but will be unable to attend, please feel free to call me at 503-563-6151.

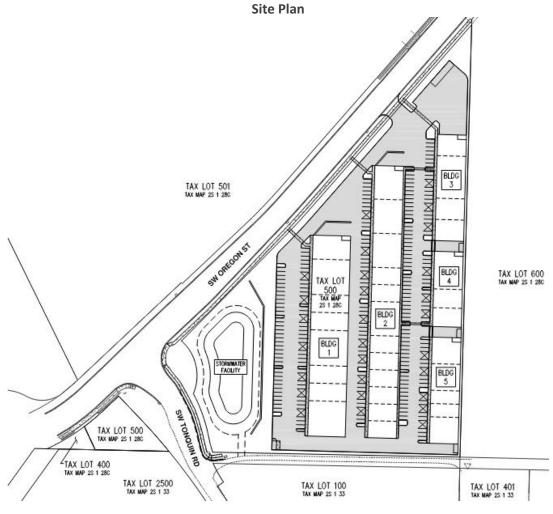
Sincerely,

AKS ENGINEERING & FORESTRY, LLC

Glen Southerland, AICP 12965 SW Herman Road, Suite 100 Tualatin, OR 97062 503-563-6151 | southerlandg@aks-eng.com

Vicinity Map





Instructions for Joining & Participating in the Public Neighborhood Meeting for Oregon Street Business Park

Virtual Meeting provided via Zoom Webinar

June 22, 2021 at 6:00 PM

<u>Please Register in Advance</u> (a list of attendees will be submitted to the City of Sherwood):

- Go online to https://www.aks-eng.com/or-st-business-park/
 This must be typed in exactly as shown.
- Click on the link provided to complete the online registration form.
- You will receive a confirmation email containing a link to join the Zoom webinar at the scheduled time as well as additional instructions.
- Meeting materials will be available upon request at least 10 days after the meeting concludes.

How to Join the Meeting:

Join by computer, tablet or smartphone

- This is the preferred method as it allows you to see the Presenter's materials on screen.
- Click on the "Click this URL join" link provided in your registration confirmation email.
- If you registered but did not receive a confirmation email, please check your junk/spam folder before contacting the Meeting Administrator.
- You may be prompted to "download and run Zoom" or to install the App (ZOOM cloud meetings). Follow the prompts or bypass this process by clicking "join from your browser".
- You should automatically be connected to the virtual neighborhood meeting.

Join by telephone

Dial any of the toll-free Zoom numbers below to connect to the neighborhood meeting:

+ 1-346-248-7799	+ 1-669-900-6833
+ 1-253-215-8782	+ 1-312-626-6799
+ 1-929-205-6099	+ 1-301-715-8592

- If you experience trouble connecting, please pick another number and try again.
- After dialing in, enter this Zoom ID when prompted: 851 1081 4465
- The passcode, if needed is: 6151

MEETING ADMINISTRATOR:

For technical assistance or to ask a question if you will not be able to attend:

Email: SoutherlandG@aks-eng.com

During the Meeting

Audio Help

- Meeting attendees will be muted throughout the presentation. This will allow everyone to hear the presentation clearly without added distractions.
- Make sure that the speakers on your device are turned on and not muted.
- If you do not have speakers on your computer, you can join by phone (using the "Join by telephone" instructions) to hear the presentation while watching the presentation on your computer monitor.

Questions & Answers

Your questions are important to us. There will be time reserved during the meeting to take questions, using one of the submission options below. Our presentation team will make their best effort to answer all question(s) during the meeting.

Prior to the Meeting:

• If you will not be able to attend, you can email your question(s) in advance to the Meeting Administrator: SoutherlandG@aks-eng.com

During the Meeting:

Preferred Method: Use the "Chat" button on the bottom of the presentation screen to submit a question in real time.

After the Meeting:

- We will continue to take questions after the meeting has ended. Please submit your question(s) to the Meeting Administrator: <u>SoutherlandG@aks-eng.com</u>
- All questions received after the meeting will be answered in an email to all registered meeting participants by end of business the following day.

Helpful Hints/Troubleshooting

We want to start on time! Please join the meeting 5-10 minutes prior to the 6:00 PM start time to ensure successful connection.

- You do not need a Zoom account to join the meeting.
- You will need a valid email address at the time of registration to receive the confirmation email and link to join the webinar or receive answers to any questions submitted after the meeting.
- For first-time Zoom users, we recommend downloading and installing the Zoom App well in advance, by clicking on the "Click Here to Join" link in your confirmation email.
- For technical assistance, please contact the Meeting Administrator (contact above).
- If you have difficulties connecting by computer, tablet, or smartphone, we suggest disconnecting and instead use the "Join by telephone" instructions to listen in.

NEIGHBORHOOD MEETING SIGN IN SHEET

Proposed Project: Oregon Street Business Park
Proposed Project Location: 21720 SW Oregon Street - 2S128C000500
•
Project Contact: AKS Engineering & Forestry, LLC - Glen Southerland, AICP
•
Meeting Location: Virtual - Zoom Webinar
Meeting Date: 6/22/21 6:00 p.m

Name	Address	E-Mail	Please identify yourself (check all that apply)			
			Resident	Property owner	Business owner	Other
No members of the public attended						



June 24, 2021

Re: Neighborhood Meeting Minutes

Oregon Street Business Park

City of Sherwood Project No. PAC 2020-010

Meeting Date: June 22, 2021

Time: 6:00 p.m.

Location: Virtual Meeting was held via Zoom Webinar

The applicant conducted a neighborhood meeting in accordance with applicable City regulations to discuss a site and design review application for an industrial business park. Prior to the meeting, materials were uploaded to a project website at https://www.aks-eng.com/or-st-business-park/.

This meeting was held via a Zoom Webinar in accordance with the City's Neighborhood Meeting Guidelines. Mimi Doukas, John Christiansen, and Glen Southerland from AKS Engineering & Forestry, LLC and Bruce Polley from Oregon Street Business Park, LLC were present. No members of the public attended the meeting.

Having no members of the public in attendance, the meeting concluded at 6:15 p.m.

Sincerely,

AKS ENGINEERING & FORESTRY, LLC

Glen Southerland, AICP

12965 SW Herman Road, Suite 100 Tualatin, OR 97062

503-563-6151 | SoutherlandG@aks-eng.com

Affidavit of Mailing

DATE: 5/17/22
STATE OF OREGON)
Washington County)
I, GUEN Southerune, representative for the one on the business pane proposed development project do hereby certify that the attached notice to adjacent property owners and recognized neighborhood organizations that are within 1,000 feet of the subject project, was placed in a U.S. Postal receptacle on 5/10/22.
LAD)
Representatives Name: GLEN Souther CANO
Name of the Organization: ALS ENGINEERING & FORESTRY, UC



May 16, 2022

RE: VIRTUAL NEIGHBORHOOD MEETING NOTICE

Land Use Application for a Business Park at 21720 SW Oregon Street

Dear Property Owner/Neighbor:

AKS Engineering & Forestry, LLC is holding a virtual neighborhood meeting regarding a ±9.23-acre site located at 21720 SW Oregon Street (Washington County Assessor's Map 2S 1 28C Tax Lot 500). The enclosed map shows the specific location of the project site east of the intersection of SW Oregon Street and SW Tonquin Road. The project involves a site plan review application for an industrial campus of four flex buildings (totaling ±115,170 square feet), associated parking and landscaping and other site improvements. The application also includes a variance for reduced building setback along SW Laurelwood Way, a new public street right-of-way along the site's eastern boundary. The site is zoned Employment Industrial and the planned buildings will primarily be for industrial tenants within a variety of spaces, but future commercial uses as allowed by the City of Sherwood's Zoning and Community Development Code (SZCDC) may also be possible.

You are invited to attend the virtual meeting on:

May 30, 2022, at 6:00 PM See enclosed instructions to join the meeting.

A Virtual Neighborhood Meeting will be held on May 30, 2022, to inform the community about our proposed project. Interested community members are encouraged to attend this meeting. We would like to take the opportunity to discuss the project in more detail with you prior to applying to the City of Sherwood.

The purpose of this virtual meeting is to provide a forum for the applicant and surrounding property owners/neighbors to review the proposal and to identify issues so that they may be considered before a land use application is submitted to the City of Sherwood. This meeting gives you the opportunity to share with us any special information you know about the property involved. We will attempt to answer questions which may be relevant to meeting development standards consistent with the SZCDC.

Please note this meeting will be an informational meeting on preliminary development plans and may be recorded. These plans may be altered prior to submittal of the application to the City of Sherwood.

I look forward to discussing this project with you. If you have questions but will be unable to attend, please feel free to call me at 503-563-6151.

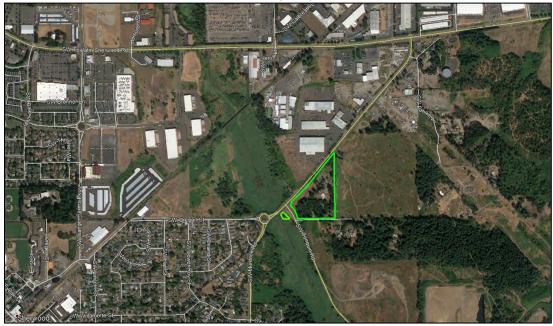
Sincerely,

AKS ENGINEERING & FORESTRY, LLC

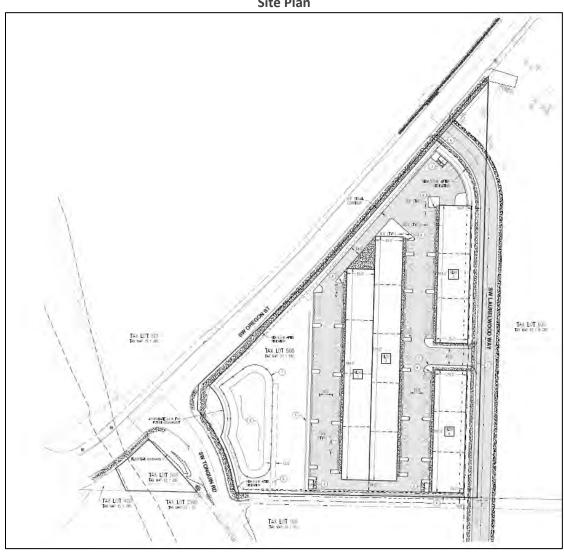
Glen Southerland, AICP 12965 SW Herman Road, Suite 100 Tualatin, OR 97062

503-563-6151 | southerlandg@aks-eng.com

Vicinity Map



Site Plan



Instructions for Joining & Participating in the Public Neighborhood Meeting for Oregon Street Business Park

Virtual Meeting provided via Zoom Webinar

May 30, 2022, at 6:00 PM

<u>Please Register in Advance</u> (a list of attendees will be submitted to the City of Sherwood):

- Go online to https://www.aks-eng.com/or-st-business-park/
 This must be typed in exactly as shown.
- Click on the link provided to complete the online registration form.
- You will receive a confirmation email containing a link to join the Zoom webinar at the scheduled time as well as additional instructions.
- Meeting materials will be available upon request at least 10 days after the meeting concludes.

How to Join the Meeting:

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+ 1-929-205-6099	+ 1-301-715-8592

- If you experience trouble connecting, please pick another number and try again.
- After dialing in, enter this Zoom ID when prompted: 831 7246 5718
- The passcode, if needed is: 6151

MEETING ADMINISTRATOR:

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Email: SoutherlandG@aks-eng.com

During the Meeting

Audio Help

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Helpful Hints/Troubleshooting

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Affidavit of Mailing

DATE: 5/24/22	
GTATE OF OREGON	
STATE OF OREGON	
Washington County)
	Lu 2021-015
development project do h	representative for the <u>operand</u> street Business for proposed dereby certify that the attached notice to adjacent property owners and organizations that are within 1,000 feet of the subject project, was reptacle on <u>5/23/22</u> .
£ (4)	
Representatives Name: 6	ION SOUTHERLAND
Name of the Organization	: AUS ENCINEERING & FORESTRY, LLC



May 23, 2022

RE: VIRTUAL NEIGHBORHOOD MEETING NOTICE – CORRECTED DATE
Land Use Application for a Business Park at 21720 SW Oregon Street

Dear Property Owner/Neighbor:

AKS Engineering & Forestry, LLC is holding a virtual neighborhood meeting regarding a ±9.23-acre site located at 21720 SW Oregon Street (Washington County Assessor's Map 2S 1 28C Tax Lot 500). The enclosed map shows the specific location of the project site east of the intersection of SW Oregon Street and SW Tonquin Road. The project involves a site plan review application for an industrial campus of four flex buildings (totaling ±115,170 square feet), associated parking and landscaping and other site improvements. The application also includes a variance for reduced building setback along SW Laurelwood Way, a new public street right-of-way along the site's eastern boundary. The site is zoned Employment Industrial.

You are invited to attend the virtual meeting on:

MAY 31, 2022, at 6:00 PM

See enclosed instructions to join the meeting.

A Virtual Neighborhood Meeting will be held on May 31, 2022, to inform the community about our proposed project. Interested community members are encouraged to attend this meeting. We would like to take the opportunity to discuss the project in more detail with you prior to applying to the City of Sherwood.

The purpose of this virtual meeting is to provide a forum for the applicant and surrounding property owners/neighbors to review the proposal and to identify issues so that they may be considered before a land use application is submitted to the City of Sherwood. This meeting gives you the opportunity to share with us any special information you know about the property involved. We will attempt to answer questions which may be relevant to meeting development standards consistent with the SZCDC.

Please note this meeting will be an informational meeting on preliminary development plans and may be recorded. These plans may be altered prior to submittal of the application to the City of Sherwood.

I look forward to discussing this project with you. If you have questions but will be unable to attend, please feel free to call me at 503-563-6151.

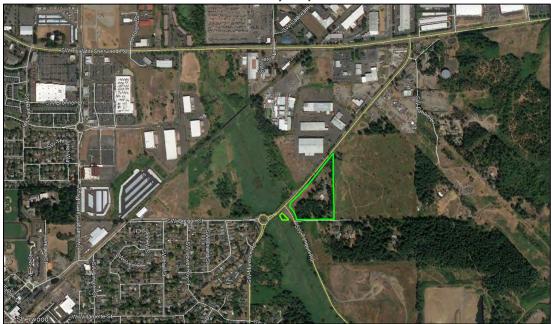
Sincerely,

AKS ENGINEERING & FORESTRY, LLC

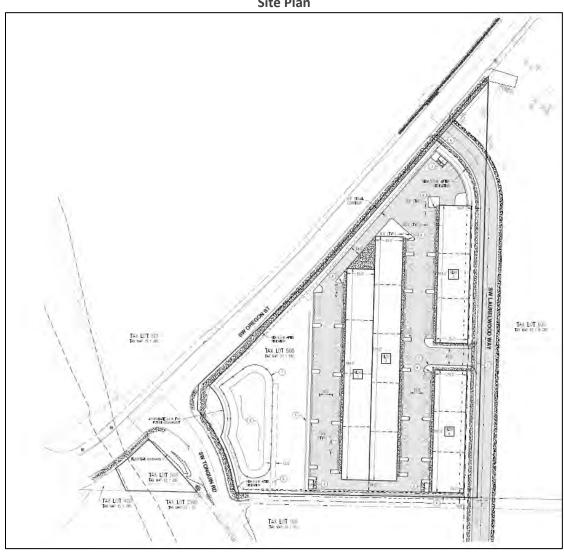
Glen Southerland, AICP 12965 SW Herman Road, Suite 100 Tualatin, OR 97062

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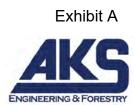
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NEIGHBORHOOD MEETING SIGN IN SHEET

Proposed Project: Oregon Street Business Park
·
Proposed Project Location: 21720 SW Oregon Street - 2S128C000500
·
Project Contact: AKS Engineering & Forestry, LLC - Glen Southerland, AICP
Meeting Location: Virtual - Zoom Webinar
Meeting Date: <u>5/31/22 - 6:00 p.m.</u>

Name	Address	E-Mail	Please identify yourself (check all that apply)			
			Resident	Property owner	Business owner	Other
No members of the public attended						



May 31, 2022

Re: Neighborhood Meeting Minutes

Oregon Street Business Park

City of Sherwood Project No. LU 2021-015

Meeting Date: May 31, 2022

Time: 6:00 p.m.

Location: Virtual Meeting was held via Zoom Webinar

The applicant conducted a neighborhood meeting in accordance with applicable City regulations to discuss a site, design review, and variance application for an industrial business park. Prior to the meeting, materials were uploaded to a project website at https://www.aks-eng.com/or-st-business-park/.

This meeting was held via a Zoom Webinar in accordance with the City's Neighborhood Meeting Guidelines. Glen Southerland, AICP from AKS Engineering & Forestry, LLC and Bruce Polley from Oregon Street Business Park, LLC were present. No members of the public attended the meeting.

Having no members of the public in attendance, the meeting concluded at 6:15 p.m.

Sincerely,

AKS ENGINEERING & FORESTRY, LLC

Glen Southerland, AICP

12965 SW Herman Road, Suite 100 Tualatin, OR 97062

503-563-6151 | SoutherlandG@aks-eng.com



Exhibit I: Public Notice Information



Date of Production: 05/09/2022

TERMS AND CONDITIONS OF INFORMATION REPORTS

IMPORTANT - READ CAREFULLY: AN INFORMATION REPORT IS NOT AN INSURED PRODUCT OR SERVICE OR A REPRESENTATION OF THE CONDITION OF TITLE TO REAL PROPERTY. IT IS NOT AN ABSTRACT, LEGAL OPINION, OPINION OF TITLE, TITLE INSURANCE COMMITMENT OR PRELIMINARY REPORT, OR ANY FORM OF TITLE INSURANCE OR GUARANTY. THE INFORMATION REPORT IS ISSUED EXCLUSIVELY FOR THE BENEFIT OF THE REQUESTOR, AND MAY NOT BE USED OR RELIED UPON BY ANY OTHER PERSON. THE INFORMATION REPORT MAY NOT BE REPRODUCED IN ANY MANNER WITHOUT FIRST AMERICAN TITLE'S PRIOR WRITTEN CONSENT. FIRST AMERICAN TITLE DOES NOT REPRESENT OR WARRANT THAT THE INFORMATION CONTAINED IN THE INFORMATION REPORT IS COMPLETE OR FREE FROM ERROR. AND THE INFORMATION THEREIN IS PROVIDED WITHOUT ANY WARRANTIES OF ANY KIND. AS-IS. AND WITH ALL FAULTS. AS A MATERIAL PART OF THE CONSIDERATION GIVEN IN EXCHANGE FOR THE ISSUANCE OF AN INFORMATION REPORT, REQUESTOR AGREES THAT FIRST AMERICAN TITLE'S SOLE LIABILITY FOR ANY LOSS OR DAMAGE CAUSED BY AN ERROR OR OMISSION DUE TO INACCURATE INFORMATION OR NEGLIGENCE IN PREPARING THE INFORMATION REPORT SHALL BE LIMITED TO THE GREATOR OF THE FEE CHARGED FOR THE INFORMATION REPORT OR \$15. REQUESTOR ACCEPTS THE INFORMATION REPORT WITH THIS LIMITATION AND AGREES THAT FIRST AMERICAN TITLE WOULD NOT HAVE ISSUED THE INFORMATION REPORT BUT FOR THE LIMITATION OF LIABILITY DESCRIBED ABOVE, FIRST AMERICAN TITLE MAKES NO REPRESENTATION OR WARRANTY AS TO THE LEGALITY OR PROPRIETY OF REQUESTOR'S USE OF THE INFORMATION CONTAINED IN THE INFORMATION REPORT.

2S132AA-12000 David & Stephanie Zaganiacz 3952 Carman Dr Lake Oswego, OR 97035

2S128C0-00400 Washington County Facilities M 169 N 1st Ave # 42 Hillsboro, OR 97124

2S13300-02500 United States Of America Dept 911 NE 11th Ave Portland, OR 97232

2S132AA-09900 Dennis & Kristen Titko 14603 SW Brickyard Dr Sherwood, OR 97140

2S132AA-09400 Hyunsuk Seo & Bridget Loftis 14645 SW Brickyard Dr Sherwood, OR 97140

2S128C0-00600 Harsch Investment Properties L 1121 SW Salmon St STE 500 Portland, OR 97205

2S13300-00200 Harsch Investment Properties L 1121 SW Salmon St STE 500 Portland, OR 97205

2S13300-00401 Harsch Investment Properties L 1121 SW Salmon St STE 500 Portland, OR 97205

2S132AA-07300 Abdallah Salame 14694 SW Brickyard Dr Sherwood, OR 97140

2S128C0-00500 Bruce & Karen Polley Po Box 1489 Sherwood, OR 97140 2S13300-00400 Woodburn Industrial Capital Gr 395 Shenandoah I n NF

395 Shenandoah Ln NE Woodburn, OR 97071

2S129D0-00600

Washington County Facilities M 169 N 1st Ave # 42 Hillsboro, OR 97124

2S133BB-00200

United States Of America Dept

911 NE 11th Ave Portland, OR 97232

2S132AA-11500 Amanda & Robert Taylor 14596 SW Oregon St Sherwood, OR 97140

2S132AA-07700 Paul & Stephanie Spath 14738 SW Brickyard Dr Sherwood, OR 97140

2S132AA-00190 Sherwood City Of 22560 SW Pine St Sherwood, OR 97140

2S13300-00201 Harsch Investment Properties L 1121 SW Salmon St STE 500 Portland, OR 97205

2S13300-00403 W John 1121 SW Salmon St STE 500 Portland, OR 97205

2S132AA-09700 Carol Riggs 14619 SW Brickyard Dr Sherwood, OR 97140

2S132AA-11200 Jason Berg & Rebecca Osmond 22095 SW Chesapeake Pl Sherwood, OR 97140 2S128C0-00700

Woodburn, OR 97071

2S133BB-00100

Po Box 1060

Kenneth & Carol Vandomelen Trs & 4825 SW Evans St

Woodburn Industrial Capital Gr

Portland, OR 97219

2S133BB-00400

United States Of America Dept

911 NE 11th Ave Portland, OR 97232

2S132AA-06600 Gabriel Tanoue 14616 SW Brickyard Dr Sherwood, OR 97140

2S128C0-00204 Sherwood City Of 22560 SW Pine St Sherwood, OR 97140

2S132AA-06200 Sherwood City Of 22560 SW Pine St Sherwood, OR 97140

2S13300-00300

Sherwood Commerce Center Llc 1121 SW Salmon St STE 500

Portland, OR 97205

2S133BB-00300 Sherwood City Of 22560 SW Pine St Sherwood, OR 97140

2S128C0-00100

Pride Properties Investments L

Po Box 820

Sherwood, OR 97140

2S128C0-00102 Orwa Sherwood Llc 8320 NE Highway 99 Vancouver, WA 98665

14200 SW Tualatin Sherwood Rd STE B

2S132AA-10000 N N & Astrida Clarice 10410 Rainier Ave S Seattle, WA 98178

2S132AA-07500 Alejandra Nicolas 14718 SW Brickyard Dr Sherwood, OR 97140

2S132AA-06700 Bonnie Miller 14630 SW Brickyard Dr Sherwood, OR 97140

2S132AA-07400 Zeb Menle 14706 SW Brickyard Dr Sherwood, OR 97140

2S132AA-07600 Ola Hopkins 14730 SW Brickyard Dr Sherwood, OR 97140

2S132AA-07100 Meghan & Meghan Jackson 14672 SW Brickyard Dr Sherwood, OR 97140

2S132AA-12200 David Hiser 22100 SW Chesapeake PI Sherwood, OR 97140

2S132AA-09100 Daniel Goodyear 14685 SW Brickyard Dr Sherwood, OR 97140

2S132AA-11600 Empyrean Real Estate Llc 13751 SW Rock Creek Rd Sheridan, OR 97378

2S132AA-09000 Debra Clemmens 14723 SW Brickyard Dr Sherwood, OR 97140 2S132AA-07000 Audrey & Dawn Oleary 14658 SW Brickyard Dr Sherwood, OR 97140

Cindy Nevill 14642 SW Brickyard Dr Sherwood, OR 97140

2S132AA-06800

2S132AA-11000 Richard & Sandra Miles 22115 SW Chesapeake PI Sherwood, OR 97140

2S132AA-11400 Ryan & Cara Mcclung 11106 SW Oneida St Tualatin, OR 97062

2S132AA-11900 Calla Lilly 22070 SW Chesapeake PI Sherwood, OR 97140

2S132AA-09300 Holly Jackson & William Lewis 32055 NE Corral Creek Rd Newberg, OR 97132

2S132AA-09200 Kenneth & Patricia Higgason 14673 SW Brickyard Dr Sherwood, OR 97140

2S132AA-09600 David Garcia & Marisol Vega 14625 SW Brickyard Dr Sherwood, OR 97140

2S132AA-09800 Blake & Joan Elison 14615 SW Brickyard Dr Sherwood, OR 97140

2S132AA-11700 Colleen & James Buckner 59 Margate St Daly City, CA 94015 2S132AA-06900 John & Orfilio Naranjo 14650 SW Brickyard Dr

Sherwood, OR 97140

2S128C0-00200

Northstar Chemical Inc

Sherwood, OR 97140

2S132AA-01101 Michael D & Lawrence D Kay Llc 22210 SW Murdock Rd Sherwood, OR 97140

2S132AA-09500 Katherine & James Mcburnett 14637 SW Brickyard Dr Sherwood, OR 97140

2S132AA-07200 David Krempley 14680 SW Brickyard Dr Sherwood, OR 97140

2S128C0-00202 J & L Rink Llc 21433 SW Oregon St Sherwood, OR 97140

2S132AA-12100 Preston & Rochelle Griffin 22090 SW Chesapeake PI Sherwood, OR 97140

2S132AA-11100 Katharine Lingemann 22107 SW Chesapeake PI Sherwood, OR 97140

2S128C0-00701 Dahlke Lane Properties Llc 4677 SE Concord Rd Portland, OR 97267

2S132AA-11300 Sara & Anthony Betz 10014 SW Conestoga Dr APT 158 Beaverton, OR 97008

2S132AA-06500 Keith Beaumont 14602 SW Brickyard Dr Sherwood, OR 97140

2S128C0-00501 Allied Systems Company 21433 SW Oregon St Sherwood, OR 97140

2S13300-02500 United States Of America Dept 911 NE 11th Ave Portland, OR 97232

2S128C0-00201 Banc Of America Po Box 100918 Atlanta, GA 30384

2S128C0-00501 Allied Systems Company 21433 SW Oregon St Sherwood, OR 97140 2S132AA-10200 Atley Estates Hoa 14673 SW Brickyard Dr Sherwood, OR 97140

2S132AA-11800 22060 Sw Chesapeake Place Llc Po Box 1626 Sherwood, OR 97140

2S128C0-00500 Bruce D & Karen M Polley Po Box 1489 Sherwood, OR 97140

2S128C0-00201 Allied Systems Company 21433 SW Oregon St Sherwood, OR 97140 2S128C0-00201 Allied Systems Company 21433 SW Oregon St Sherwood, OR 97140

2S128C0-00400 Washington County Facilities M 169 N 1st Ave # 42 Hillsboro, OR 97124

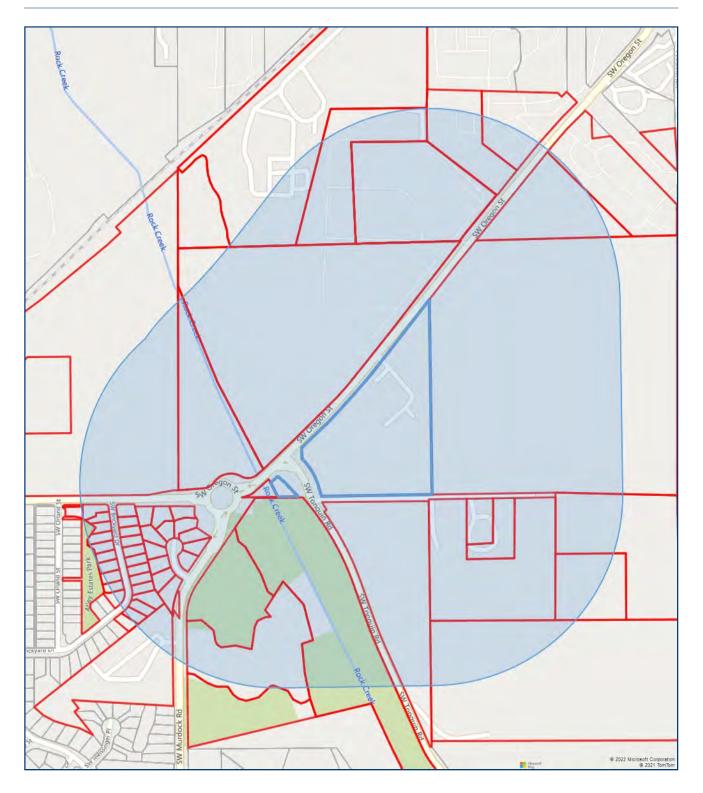
2S128C0-00200 Washington County 14200 SW Tualatin Sherwood Rd Sherwood, OR 97140

2S128C0-00201 J & L Rink Llc 21433 SW Oregon St Sherwood, OR 97140



1000 ft Buffer 21720 SW Oregon St, Sherwood, OR 97140

Report Generated: 5/9/2022



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Customer Service Department Phone: 503.219.8746(TRIO) Email: cs.oregon@firstam.com Report Generated: 5/9/2022

Pool:

Ownership

Parcel #: 2S128C0-00500 Legal Owner(s): Bruce & Karen Polley

Site Address: 21720 SW Oregon St Sherwood, OR 97140 APN: R1492192 Mailing Address: Po Box 1489 Sherwood, OR 97140 County: Washington

Property Characteristics

Bedrooms: 2 Year Built: 1984 Lot SqFt: 402059 Total Bathrooms: 3 Building SqFt: 1568 Lot Acres: 9.23 Full Bathrooms: 2 First Floor SqFt: 1568 Roof Type:

Half Bathrooms: 0 Basement Sqft: 0 Roof Shape: GABLE Units: 0 Basment Type: Porch Type:

Stories: Building Style:

Fire Place: Y Garage: Carport Air Conditioning: Garage SqFt: 0 Heating Type: Forced air unit Parking Spots: 1

Property Information

Electric Type:

Zoning: El Land Use:

School District: Sherwood School Improvement Type: Neighborhood: Sherwood - Tualatin

Legal Description: ACRES 9.23, UNZONED FARMLAND LIEN \$2,896.94, CODE

SPLIT, LAND HOOK, POTENTIAL ADDL TAX LIABILITY Subdivision:

Assessor & Tax

Market Land: \$6.000 Taxes: \$4,531.64 Market Total: \$6,000 % Improved: 2 Levy Code: 088.20 Market Structure: \$0 Assessed Total: \$252,430 Millage Rate: 18.4904

Sale History

Last Sale Date: 3/24/2008 Doc #: 2008-025922 Last Sale Price: \$225,000 Prior Doc #: Prior Sale Price: \$0 Prior Sale Date:

Mortgage

1st Mortgage Date: Doc #:

1st Mortgage Type: 1st Mortgage Lender: 1st Mortgage: \$0 2nd Mortgage Type: 2nd Mortgage: \$0

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Customer Service Department
Phone: 503.219.8746(TRIO)
Email: cs.oregon@firstam.com
Report Generated: 5/9/2022

Ownership

Legal Owner(s): Bruce D & Karen M Polley Parcel #: 2S128C0-00500

Site Address: 21720 SW Oregon St Sherwood, OR 97140 APN: R547466

Mailing Address: Po Box 1489 Sherwood, OR 97140 County: Washington

Property Characteristics

Bedrooms: 0 Year Built: 0 Lot SqFt: 13068 Total Bathrooms: 0 Building SqFt: 0 Lot Acres: 0.30 Full Bathrooms: 0 First Floor SqFt: 1568 Roof Type: Half Bathrooms: 0 Basement Sqft: 0 Roof Shape: Units: 0 Basment Type: Porch Type: Stories: Building Style: Fire Place: N Garage: Garage SqFt: 0 Air Conditioning: Heating Type: Parking Spots: 0 Pool: Electric Type:

Property Information

Land Use: Zoning: El

Improvement Type:

Legal Description: ACRES 0.3 LINZONED FARMLAND LIEN \$367.10 CODE SPLIT

Neighborhood: Sherwood - Tualatin

Legal Description: ACRES 0.3, UNZONED FARMLAND LIEN \$367.19, CODE SPLIT, Neighborhood: Snerwood -

LAND HOOK, POTENTIAL ADDL TAX LIABILITY

Subdivision:

Assessor & Tax

 Market Land: \$6,000
 Taxes: \$112.42

 Market Total: \$6,000
 % Improved: 0

 Market Structure: \$0
 Levy Code: 088.47

 Assessed Total: \$6,000
 Millage Rate: 18.7360

Sale History

Last Sale Date: 3/24/2008 Doc #: 2008-025922 Last Sale Price: \$225,000 Prior Sale Date: Prior Doc #: Prior Sale Price: \$0

Mortgage

1st Mortgage Date: Doc #:

1st Mortgage Type:1st Mortgage Lender:1st Mortgage: \$02nd Mortgage Type:2nd Mortgage: \$0

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APN: R2036401

Ref Parcel #: 2S132AA-12000

Taxes: \$4,993.18

Market Value: \$466,990 Assessed Value: \$278,140 Sales Price: \$502.000

Transfer Date: 7/14/2021

11600 0.22 ac 11900 0.2 ac 11700 12000 0.16 ac 0.19 ac 12100 0.17 ac 12200 11100 0.16 ac 00200 0.21 ac 3.69 ac

Legal Owner: David & Stephanie Zaganiacz

Site Address: 22080 SW Chesapeake Pl Sherwood, OR

Mailing Address: 3952 Carman Dr Lake Oswego, OR 97035

Bedrooms: 3 Bathrooms: 2

Building SqFt: 2,253 Lot Acres: 0.19

Year Built: 1994

School District: Sherwood School District 88j

Neighborhood: Sherwood - Tualatin

Legal: CHESAPEAKE PARK, LOT 11, ACRES 0.19

Legal Owner: Woodburn Industrial Capital Gr

Site Address: NS Unincorporated, OR

Mailing Address: 395 Shenandoah Ln NE Woodburn, OR

Bedrooms: 0 Bathrooms: 0

Building SqFt: 0 Lot Acres: 20.00

Year Built: 0

School District: Sherwood School District 88j

Neighborhood: Sherwood - Tualatin

Legal: ACRES 20.00

APN: R558006

Ref Parcel #: 2S13300-00400

Taxes: \$5,340.95 Market Value: \$320,960 Assessed Value: \$297,510

Sales Price: \$0 Transfer Date:



Legal Owner: Woodburn Industrial Capital Gr

Site Address: NS Unincorporated, OR

Mailing Address: Po Box 1060 Woodburn, OR 97071

Bedrooms: 0 Bathrooms: 0

Building SqFt: 0 Lot Acres: 8.17

Year Built: 0

School District: Sherwood School District 88j

Neighborhood: Sherwood - Tualatin

Legal: ACRES 8.17

APN: R558042

Ref Parcel #: 2S133BB-00100

Taxes: \$2,843.29 Market Value: \$861,830

Assessed Value: \$158,380 Sales Price: \$0

Transfer Date:

Legal Owner: Washington County Facilities M Site Address: Ns # Ns # NS Sherwood, OR

Mailing Address: 169 N 1st Ave # 42 Hillsboro, OR 97124

Bedrooms: 0 Bathrooms: 0

Building SqFt: 0 Lot Acres: 5.30

Year Built: 0

School District: Sherwood School District 88j

Neighborhood: Sherwood - Tualatin Legal: ACRES 5.30, CODE SPLIT

APN: R1047290

Ref Parcel #: 2S128C0-00400

Taxes: \$0.00

Market Value: \$84,800 Assessed Value: \$0 Sales Price: \$0 Transfer Date:









Legal Owner: Washington County Facilities M

Site Address: 14647 SW Oregon St Sherwood, OR 97140

Mailing Address: 169 N 1st Ave # 42 Hillsboro, OR 97124

Bedrooms: 0 Bathrooms: 0

Building SqFt: 0 Lot Acres: 16.24

Year Built: 0

School District: Sherwood School District 88j

Neighborhood: Sherwood - Tualatin

Legal: ACRES 21.06

APN: R548189

Ref Parcel #: 2S129D0-00600

Taxes: \$0.00

Market Value: \$3,687,050 Assessed Value: \$0

Sales Price: \$0 Transfer Date:



Legal Owner: Kenneth & Carol Vandomelen Trs &

Site Address: Vandomelen Joint Trust

Mailing Address: 4825 SW Evans St Portland, OR 97219

Bedrooms: 2 Bathrooms: 1

Building SqFt: 800 Lot Acres: 4.62

Year Built: 1901

School District: Sherwood School District 88j

Neighborhood: Sherwood - Tualatin

Legal: ACRES 4.62

APN: R547484

Ref Parcel #: 2S128C0-00700

Taxes: \$3,032.95 Market Value: \$966,360 Assessed Value: \$205.610 Sales Price: \$750,000

Transfer Date: 9/24/2019

Market Value: \$317,250

Assessed Value: \$0



Legal Owner: United States Of America Dept APN: R2019381

Site Address: Ns # Ns # NS Sherwood, OR Ref Parcel #: 2S13300-02500

Mailing Address: 911 NE 11th Ave Portland, OR 97232

Bedrooms: 0 Bathrooms: 0 Building SqFt: 0 Lot Acres: 12.69

Year Built: 0

School District: Sherwood School District 88j

Neighborhood: Sherwood - Tualatin

Legal: 1992-008 PARTITION PLAT, LOT 2, ACRES 12.69, CODE SPLIT



Legal Owner: United States Of America Dept APN: R2031459

Site Address: Ns # Ns # NS Sherwood, OR

Mailing Address: 911 NE 11th Ave Portland, OR 97232

Bedrooms: 0 Bathrooms: 0

Building SqFt: 0 Lot Acres: 3.69

Year Built: 0

School District: Sherwood School District 88j Neighborhood: Sherwood - Tualatin

Legal: 1993-010 PARTITION PLAT, LOT 1, ACRES 3.69

Taxes: \$0.00

Sales Price: \$0

Transfer Date:

Ref Parcel #: 2S133BB-00200

Taxes: \$0.00

Market Value: \$1,179,320 Assessed Value: \$0 Sales Price: \$0 Transfer Date:





SW Murdock Rd

Legal Owner: United States Of America Dept Site Address: Ns # Ns # NS Sherwood, OR

Mailing Address: 911 NE 11th Ave Portland, OR 97232

Lot Acres: 3.29

Bedrooms: 0 Bathrooms: 0 Building SqFt: 0

Year Built: 0

rear built. 0

School District: Sherwood School District 88j Neighborhood: Sherwood - Tualatin

Legal: 1993-010 PARTITION PLAT, LOT 3, ACRES 3.29

APN: R2031460

Ref Parcel #: 2S133BB-00400

Taxes: \$0.00

Market Value: \$1,051,480 Assessed Value: \$0 Sales Price: \$0

Transfer Date:

00600 16.24 ac			
7 Oregon St 10200 0:02 ac 09900 -06200 0.18 ac 1.02 ac 09700 0.11 ac	06500 0.15 ac 06600 0.13 ac 06700 0.13 ac 06800 0.14 ac		

Legal Owner: Dennis & Kristen Titko

Site Address: 14603 SW Brickyard Dr Sherwood, OR 97140

Mailing Address: 14603 SW Brickyard Dr Sherwood, OR

Bedrooms: 3 Bathrooms: 2

Building SqFt: 1,296 Lot Acres: 0.18

Year Built: 1993

School District: Sherwood School District 88j

Neighborhood: Sherwood - Tualatin

Legal: ATLEY ESTATES, LOT 35 & PT TR B, ACRES 0.18

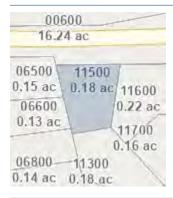
APN: R2017806

Ref Parcel #: 2S132AA-09900

Taxes: \$2,919.65 Market Value: \$266,830 Assessed Value: \$162.630

Sales Price: \$0

Transfer Date: 6/29/1998



Legal Owner: Amanda & Robert Taylor

Site Address: 14596 SW Oregon St Sherwood, OR 97140

Mailing Address: 14596 SW Oregon St Sherwood, OR 97140

Bedrooms: 3
Bathrooms: 2

Building SqFt: 2,008 Lot Acres: 0.18

Year Built: 1997

School District: Sherwood School District 88j

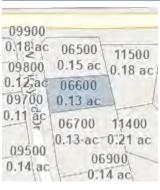
Neighborhood: Sherwood - Tualatin

Legal: CHESAPEAKE PARK, LOT 6, ACRES 0.18

APN: R2036396

Ref Parcel #: 2S132AA-11500

Taxes: \$4,194.90
Market Value: \$494,110
Assessed Value: \$233,670
Sales Price: \$162,000
Transfer Date: 4/27/2011



Legal Owner: Gabriel Tanoue

Site Address: 14616 SW Brickyard Dr Sherwood, OR 97140

Mailing Address: 14616 SW Brickyard Dr Sherwood, OR

Bedrooms: 2 Bathrooms: 3

Building SqFt: 1,470 Lot Acres: 0.13

Year Built: 1991

School District: Sherwood School District 88j Neighborhood: Sherwood - Tualatin

Legal: ATLEY ESTATES, LOT 2, ACRES 0.13

APN: R2017769

Ref Parcel #: 2S132AA-06600

Taxes: \$1,806.34 Market Value: \$265,570 Assessed Value: \$100,620





097.00 -06700
0.11 ac 0.13-ac
-09500
0.14 ac \ 06900
09400 0.14 ac
06200 0.12 ac 07000
1.02 ac 09300 0.13 ac
0.14 ac 07100
09100 0.13 ac
A+lav 0.12 ac

Legal Owner: Hyunsuk Seo & Bridget Loftis

Site Address: 14645 SW Brickyard Dr Sherwood, OR 97140

Mailing Address: 14645 SW Brickyard Dr Sherwood, OR

Bedrooms: 3
Bathrooms: 2

Building SqFt: 1,776 Lot Acres: 0.12

Year Built: 1991

School District: Sherwood School District 88j

Neighborhood: Sherwood - Tualatin

Legal: ATLEY ESTATES, LOT 30, ACRES 0.12

APN: R2017801

Ref Parcel #: 2S132AA-09400

Taxes: \$2,567.57 Market Value: \$270,800

Assessed Value: \$143,020 Sales Price: \$359.900

Transfer Date: 12/17/2021

07300 07400
0.13 ac 0.22 ac
1
0.7500
0.15 ac
07700
0.13 ac
7
01101
4.94 ac

Legal Owner: Paul & Stephanie Spath

Site Address: 14738 SW Brickyard Dr Sherwood, OR 97140

Mailing Address: 14738 SW Brickyard Dr Sherwood, OR

Bedrooms: 3
Bathrooms: 2

Building SqFt: 1,512 Lot Acres: 0.13

Year Built: 1995

School District: Sherwood School District 88j

Neighborhood: Sherwood - Tualatin

Legal: ATLEY ESTATES, LOT 13, ACRES 0.13

APN: R2017780

Ref Parcel #: 2S132AA-07700

Taxes: \$2,751.55

Market Value: \$267,330

Assessed Value: \$153.270

Sales Price: \$0 Transfer Date:



Legal Owner: Sherwood City Of

Site Address: Ns # Ns # NS Sherwood, OR

Mailing Address: 22560 SW Pine St Sherwood, OR 97140

Bedrooms: 0
Bathrooms: 0
Building SqFt: 0

Building SqFt: 0 Lot Acres: 2.04

Year Built: 0

School District: Sherwood School District 88j

Neighborhood: Sherwood - Tualatin

Legal: ACRES 2.04

APN: R2027564

Ref Parcel #: 2S128C0-00204

Taxes: \$0.00

Market Value: \$32,640 Assessed Value: \$0 Sales Price: \$0 Transfer Date:



Legal Owner: Harsch Investment Properties L

Site Address: 21600 SW Oregon St Sherwood, OR 97140
Mailing Address: 1121 SW Salmon St STE 500 Portland, OR

Bedrooms: 0
Bathrooms: 0

Building SqFt: 0 Lot Acres: 38.82

Year Built: 0

School District: Sherwood School District 88j Neighborhood: Sherwood - Tualatin

Legal: ACRES 38.82

APN: R547475

Ref Parcel #: 2S128C0-00600

Taxes: \$5,540.47

Market Value: \$8,111,560 Assessed Value: \$308,620 Sales Price: \$6,000,000 Transfer Date: 11/14/2018





Ref Parcel #: 2S132AA-00190

07300 0.13 ac 11000 07400 0.27 ac 0.22 ac 07.500 00190 0.15 ac 0.07 ac 01101 4.94 ac 00300 5.24 ac

Legal Owner: Sherwood City Of

Site Address: Ns # Ns # NS Sherwood, OR

Mailing Address: 22560 SW Pine St Sherwood, OR 97140

Bedrooms: 0
Bathrooms: 0

Building SqFt: 0 Lot Acres: 0.07

Year Built: 0

School District: Sherwood School District 88j

Neighborhood: Sherwood - Tualatin

Legal: ACRES 0.07

APN: R1161655

Taxes: \$0.00

Sales Price: \$0

Transfer Date:

Market Value: \$6,100

Assessed Value: \$0



Legal Owner: Sherwood City Of

Site Address: 22208 SW Orland St Sherwood, OR 97140

Mailing Address: 22560 SW Pine St Sherwood, OR 97140

Bedrooms: 0
Bathrooms: 0
Building SqFt: 0

Building SqFt: 0 Lot Acres: 1.02

Year Built: 0

School District: Sherwood School District 88j

Neighborhood: Sherwood - Tualatin

Legal: ORLAND VILLA, LOT A, ACRES 1.02

APN: R1308472

Ref Parcel #: 2S132AA-06200

Taxes: \$0.00

Market Value: \$86,700 Assessed Value: \$0 Sales Price: \$0 Transfer Date:



Legal Owner: Harsch Investment Properties L APN:

Site Address: NS Unincorporated, OR

Mailing Address: 1121 SW Salmon St STE 500 Portland, OR

Bedrooms: 0
Bathrooms: 0

Building SqFt: 0 Lot Acres: 7.00

Year Built: 0

School District: Sherwood School District 88j

Neighborhood: Sherwood - Tualatin

Legal: ACRES 7.00, POTENTIAL ADDL TAX LIABILITY

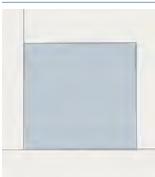
APN: R557971

Ref Parcel #: 2S13300-00200

Taxes: \$54.07

Market Value: \$1,462,670 Assessed Value: \$3,560

Sales Price: \$0 Transfer Date:



Legal Owner: Harsch Investment Properties L

Site Address: 14260 SW Tonquin Rd Sherwood, OR 97140
Mailing Address: 1121 SW Salmon St STE 500 Portland, OR

Bedrooms: 2 Bathrooms: 1

Building SqFt: 1,656 Lot Acres: 3.00

Year Built: 1974

School District: Sherwood School District 88j Neighborhood: Sherwood - Tualatin

Legal: ACRES 3.00, POTENTIAL ADDL TAX LIABILITY

APN: R557980

Ref Parcel #: 2S13300-00201

Taxes: \$2,636.26 Market Value: \$762,230 Assessed Value: \$178,690





Report Generated: 5/9/2022

00600 38:82 ac 00300 0.82 ac. 00401 7.89 ac 00403 1.05 ac

Legal Owner: Sherwood Commerce Center Llc

Site Address: 14250 SW Tonguin Rd Sherwood, OR 97140

Mailing Address: 1121 SW Salmon St STE 500 Portland, OR

Bedrooms: 3 Bathrooms: 2

Building SqFt: 1,722 Lot Acres: 0.82

Year Built: 1971

School District: Sherwood School District 88j

Neighborhood: Sherwood - Tualatin

Legal: ACRES 0.82

APN: R557999

Ref Parcel #: 2S13300-00300

Taxes: \$2,427.83

Market Value: \$191,380 Assessed Value: \$164,590 Sales Price: \$900.000 Transfer Date: 5/20/2021



Legal Owner: Harsch Investment Properties L

Site Address: 14240 SW Tonquin Rd Sherwood, OR 97140

Mailing Address: 1121 SW Salmon St STE 500 Portland, OR

Bedrooms: 4 Bathrooms: 2

Building SqFt: 2,024 Lot Acres: 7.89

Year Built: 1960

School District: Sherwood School District 88j

Neighborhood: Sherwood - Tualatin

Legal: ACRES 7.89, POTENTIAL ADDL TAX LIABILITY

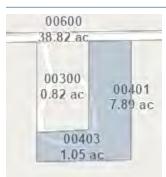
APN: R558015

Ref Parcel #: 2S13300-00401

Taxes: \$3,651.00

Market Value: \$1,864,160 Assessed Value: \$247,410

Sales Price: \$0 Transfer Date:



Legal Owner: W John

Site Address: NS Unincorporated, OR

Mailing Address: 1121 SW Salmon St STE 500 Portland, OR

Bedrooms: 0 Bathrooms: 0

Building SqFt: 0 Lot Acres: 1.05

Year Built: 0

School District: Sherwood School District 88j

Neighborhood: Sherwood - Tualatin

Legal: ACRES 1.05

APN: R558033

Ref Parcel #: 2S13300-00403

Taxes: \$271.35

Market Value: \$219,400 Assessed Value: \$18,390

Sales Price: \$0 Transfer Date:



Legal Owner: Sherwood City Of

Site Address: Ns # Ns # NS Sherwood, OR

Mailing Address: 22560 SW Pine St Sherwood, OR 97140

Bedrooms: 0 Bathrooms: 0

Building SqFt: 0 Lot Acres: 5.24

Year Built: 0

School District: Sherwood School District 88j Neighborhood: Sherwood - Tualatin

Legal: 1993-010 PARTITION PLAT, LOT 2, ACRES 5.24

APN: R2031461

Ref Parcel #: 2S133BB-00300

Taxes: \$0.00

Market Value: \$1,674,700 Assessed Value: \$0 Sales Price: \$0 Transfer Date:





Report Generated: 5/9/2022

07000 11200 -0.13 ac 0.18 ac 09200 07200 11100 0.14 ac 0.13 ac 0.21 ac 09100 07300 0:12 ac 0.13 ac 11000 09000 0.27 ac 0.15 ac 07500 0.15 ac 01101 07700-0.13 ac 4.94 ac

Legal Owner: Abdallah Salame

Site Address: 14694 SW Brickyard Dr Sherwood, OR 97140

Mailing Address: 14694 SW Brickyard Dr Sherwood, OR

Bedrooms: 4
Bathrooms: 2

Building SqFt: 1,792 Lot Acres: 0.13

Year Built: 1992

School District: Sherwood School District 88j

Neighborhood: Sherwood - Tualatin

Legal: ATLEY ESTATES, LOT 9, ACRES 0.13

Ref Parcel #: 2S132AA-07300 Taxes: \$2,613.26

APN: R2017776

Market Value: \$293,020 Assessed Value: \$145,560 Sales Price: \$200,000

Transfer Date: 12/18/2015

10200 09900 106500 0.02 ac 0.18 ac 0.15 ac .09800 06600 06100-0.12 ac 0.1 ac 09700 0113 ac 06200 0.11 ac 06700 1.02 ac-0.13 ac 05900 06800 0.1 ac 0.14 ac 06900-05700 09400 0:1 ac 0.12 ac 0.14 ac

Legal Owner: Carol Riggs

Site Address: 14619 SW Brickyard Dr Sherwood, OR 97140

Mailing Address: 14619 SW Brickyard Dr Sherwood, OR

Bedrooms: 0 Bathrooms: 1

Building SqFt: 1,100 Lot Acres: 0.11

Year Built: 1995

School District: Sherwood School District 88j

Neighborhood: Sherwood - Tualatin

Legal: ATLEY ESTATES, LOT 33, ACRES 0.11

APN: R2017804

Ref Parcel #: 2S132AA-09700

Taxes: \$2,441.10

Market Value: \$262,980

Assessed Value: \$135,980

Sales Price: \$105,000

Transfer Date: 10/28/1996



Legal Owner: Pride Properties Investments L

Site Address: 21287 SW Oregon St Sherwood, OR 97140

Mailing Address: Po Box 820 Sherwood, OR 97140

Bedrooms: 0 Bathrooms: 0

Building SqFt: 11,300 Lot Acres: 3.29

Year Built: 0

School District: Sherwood School District 88j

Neighborhood: Sherwood - Tualatin

Legal: ACRES 3.29

APN: R547386

APN: R1492192

Taxes: \$4,531.64

Market Value: \$6.000

Sales Price: \$225,000

Transfer Date: 3/24/2008

Assessed Value: \$252,430

Ref Parcel #: 2S128C0-00100

Taxes: \$12,228.62

Market Value: \$1,916,220 Assessed Value: \$681,190 Sales Price: \$1,200,000 Transfer Date: 2/28/2014



Legal Owner: Bruce & Karen Polley

Site Address: 21720 SW Oregon St Sherwood, OR 97140 Ref Parcel #: 2S128C0-00500

Mailing Address: Po Box 1489 Sherwood, OR 97140

Bedrooms: 2 Bathrooms: 3

Building SqFt: 1,568 Lot Acres: 9.23

Year Built: 1984

School District: Sherwood School District 88j

Neighborhood: Sherwood - Tualatin

Legal: ACRES 9.23, UNZONED FARMLAND LIEN \$2,896.94, CODE SPLIT, LAND HOOK,





Report Generated: 5/9/2022

11700 11900 06800 0.16 ac 0.2 ac 0:14 ac 12100 06900 0:17 ac 0.14 ac 12200 11200 -07100 0.18 ac 0.16 ac 0.13 ac 11100. 07200 0.21 ac 0.13 ac-11000 0740,0 0.27 ac 0.22-ac

Legal Owner: Jason Berg & Rebecca Osmond

Site Address: 22095 SW Chesapeake Pl Sherwood, OR

Mailing Address: 22095 SW Chesapeake Pl Sherwood, OR

Bedrooms: 4
Bathrooms: 4

Building SqFt: 3,026 Lot Acres: 0.18

Year Built: 1995

School District: Sherwood School District 88j

Neighborhood: Sherwood - Tualatin

Legal: CHESAPEAKE PARK, LOT 3, ACRES 0.18

APN: R2036393

Ref Parcel #: 2S132AA-11200

Taxes: \$5,788.60

Market Value: \$662,370 Assessed Value: \$322,450 Sales Price: \$297,500 Transfer Date: 5/19/2005

Legal Owner: Orwa Sherwood Llc
Site Address: 21389 SW Oregon St Sherwood, OR 97140
Mailing Address: 8320 NE Highway 99 Vancouver, WA 98665
Bedrooms: 0
Bathrooms: 0

Building SqFt: 1,344 Lot Acres: 3.18

Year Built: 0

School District: Sherwood School District 88j

Neighborhood: Sherwood - Tualatin

Legal: ACRES 3.18

APN: R547402

Ref Parcel #: 2S128C0-00102

Taxes: \$3,379.50 Market Value: \$649,030 Assessed Value: \$188,250 Sales Price: \$200,000 Transfer Date: 1/17/2003

00600 16.24 ac 06300 SW Oregon St 10200 0.19 ac 03200 0.02 ac 09900 0.18 ac 0.11 ac 09800 03300 06100 0.12 ac 0.1 ac 0.1 ac 03500 05900 09600 0.15 ac 0.1 ac 0.1 ac

Legal Owner: N N & Astrida Clarice

Site Address: 22106 SW Orland St Sherwood, OR 97140

Mailing Address: 10410 Rainier Ave S Seattle, WA 98178

Bedrooms: 0
Bathrooms: 0
Building SqFt: 0

Building SqFt: 0 Lot Acres: 0.12

Year Built: 1992

School District: Sherwood School District 88j

Neighborhood: Sherwood - Tualatin

Legal: ATLEY ESTATES, LOT 36, ACRES 0.12

APN: R2017807

Ref Parcel #: 2S132AA-10000

Taxes: \$1,264.76

Market Value: \$173,530

Assessed Value: \$70,450

Sales Price: \$0 Transfer Date:

09600 0.15 ac	06700 0.13 ac	11700 0.16 ac
09500 0.14 ac		11300
09400	07000 0.13 ac	0.18 ac
0.12 ac 09300	-07100	0.18 ac
0:14 ac	0.13 ac	11100
09100	07200	0.21 ac
0.12 ac	0:13 ac	. \

Legal Owner: Audrey & Dawn Oleary

Site Address: 14658 SW Brickyard Dr Sherwood, OR 97140

Mailing Address: 14658 SW Brickyard Dr Sherwood, OR Bedrooms: 3

Bathrooms: 2

Building SqFt: 1,611 Lot Acres: 0.13

Year Built: 1994

School District: Sherwood School District 88j Neighborhood: Sherwood - Tualatin

Legal: ATLEY ESTATES, LOT 6, ACRES 0.13

APN: R2017773

Ref Parcel #: 2S132AA-07000

Taxes: \$3,677.55

Market Value: \$298,030

Assessed Value: \$204,850

Sales Price: \$115,000

Transfer Date: 4/7/2014





Legal Owner: Northstar Chemical Inc Site Address: No Site Address, OR

Mailing Address: 14200 SW Tualatin Sherwood Rd STE B

Bedrooms: 0
Bathrooms: 0

Building SqFt: 0 Lot Acres: 0.00

Year Built: 0

School District: Sherwood School District 88j

Neighborhood: Sherwood - Tualatin

Legal: NO LEGAL

APN: R2077141

Ref Parcel #: 2S128C0-00200

Taxes: \$9,194.35 Market Value: \$492,460 Assessed Value: \$492,460

Sales Price: \$0 Transfer Date:

_09200 11100 0.14 ac 07300 0.21 ac 09000 0.13 ac 11000 0.15 ac 0.27 ac 07600 07500 0.13 ac 0.15 ac 07700 01101 0:13 ac 4.94 ac 07900 0.13 ac

Legal Owner: Alejandra Nicolas

Site Address: 14718 SW Brickyard Dr Sherwood, OR 97140

Mailing Address: 14718 SW Brickyard Dr Sherwood, OR

Bedrooms: 0 Bathrooms: 2

Building SqFt: 1,732 Lot Acres: 0.15

Year Built: 1993

School District: Sherwood School District 88j

Neighborhood: Sherwood - Tualatin

Legal: ATLEY ESTATES, LOT 11, ACRES 0.15

APN: R2017778

Ref Parcel #: 2S132AA-07500

Taxes: \$2,645.97

Market Value: \$288,020

Assessed Value: \$147,390

Sales Price: \$340,000

Transfer Date: 6/4/2021

09800 06500 11600 0.12 ac 0.15 ac 0.22 ac 09.7.00 06.700 0:11 ac 0.13 ac 11400 09600 06800 0.21 ac 0.15 ac 0.14 ac 11300 09500 06900 0 18 ac 0.14 ac 0.14 ac-09400 11200-0.12 ac \ 07000 _0.18 ac 0.13 ac

Legal Owner: Cindy Nevill

Site Address: 14642 SW Brickyard Dr Sherwood, OR 97140

Mailing Address: 14642 SW Brickyard Dr Sherwood, OR

Bedrooms: 0
Bathrooms: 2

Building SqFt: 1,620 Lot Acres: 0.14

Year Built: 1990

School District: Sherwood School District 88j

Neighborhood: Sherwood - Tualatin

Legal: ATLEY ESTATES, LOT 4, ACRES 0.14

APN: R2017771

Ref Parcel #: 2S132AA-06800

Taxes: \$1,994.36 Market Value: \$231,930 Assessed Value: \$111,090

Sales Price: \$0 Transfer Date:

09700 __11500 117.00 0.11 ac 0.18 ac 0.16 ac 09600 06800 0.15 ac 0.14 ac 11400 0.21 ac. 11300 06900 09500 0.14 ac 0.14 ac 0.18 ac 11200-09400 07000 0:18 ac 0.12 ac 0:13 ac -09200 11100 0.14 ac 0.21 ac

Legal Owner: John & Orfilio Naranjo

Site Address: 14650 SW Brickyard Dr Sherwood, OR 97140

Mailing Address: 14650 SW Brickyard Dr Sherwood, OR Bedrooms: 3

Bathrooms: 2

Building SqFt: 1,188 Lot Acres: 0.14

Year Built: 1992

School District: Sherwood School District 88j Neighborhood: Sherwood - Tualatin

Legal: ATLEY ESTATES, LOT 5, ACRES 0.14

APN: R2017772

Ref Parcel #: 2S132AA-06900

Taxes: \$2,036.17

Market Value: \$252,240

Assessed Value: \$113,420

Sales Price: \$225,000

Transfer Date: 5/17/2017





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Customer Service Department Phone: 503.219.8746(TRIO) Email: cs.oregon@firstam.com

Report Generated: 5/9/2022

Legal Owner: Bonnie Miller

Site Address: 14630 SW Brickyard Dr Sherwood, OR 97140

Mailing Address: 14630 SW Brickyard Dr Sherwood, OR

Bedrooms: 3 Bathrooms: 2

Building SqFt: 1,296 Lot Acres: 0.13

Year Built: 1993

School District: Sherwood School District 88j Neighborhood: Sherwood - Tualatin

Legal: ATLEY ESTATES, LOT 3, ACRES 0.13

APN: R2017770

Ref Parcel #: 2S132AA-06700

Taxes: \$3,021.50 Market Value: \$292,600 Assessed Value: \$168,310 Sales Price: \$90,000 Transfer Date: 3/23/2016

-07000 12200 0.13 ac 11100 0.16 ac 07100 0.13 ac 0.21 ac 07300 11000 _0:13 ac 0.27 ac 07400 0.22 ac 07500 00190 0.07 ac 0.15 ac 01101 00300-4.94 ac 5.24 ac

Legal Owner: Richard & Sandra Miles

Site Address: 22115 SW Chesapeake PI Sherwood, OR 97140

Mailing Address: 22115 SW Chesapeake Pl Sherwood, OR

Bedrooms: 3 Bathrooms: 1

Building SqFt: 1,880 Lot Acres: 0.27

Year Built: 1996

School District: Sherwood School District 88j

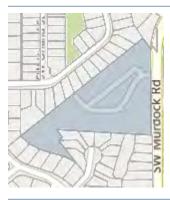
Neighborhood: Sherwood - Tualatin

Legal: CHESAPEAKE PARK, LOT 1, ACRES 0.27

APN: R2036391

Ref Parcel #: 2S132AA-11000

Taxes: \$4,116.86 Market Value: \$421,210 Assessed Value: \$229.320 Sales Price: \$160,500 Transfer Date: 8/31/2000



Legal Owner: Michael D & Lawrence D Kay Llc

Site Address: 22210 SW Murdock Rd Sherwood, OR 97140

Mailing Address: 22210 SW Murdock Rd Sherwood, OR

Bedrooms: 0 Bathrooms: 0 Building SqFt: 0 Lot Acres: 4.94

Year Built: 0

School District: Sherwood School District 88j

Neighborhood: Sherwood - Tualatin

Legal: ACRES 4.94

APN: R552039

Ref Parcel #: 2S132AA-01101

Taxes: \$74,126.74

Market Value: \$9,115,640 Assessed Value: \$4,129,190 Sales Price: \$106,000

Transfer Date: 6/26/1995

Legal Owner: Zeb Menle APN: R2017777

Site Address: 14706 SW Brickyard Dr Sherwood, OR 97140 Mailing Address: 14706 SW Brickyard Dr Sherwood, OR

Bedrooms: 3 Bathrooms: 2

Building SqFt: 1,782 Lot Acres: 0.22

Year Built: 1990

School District: Sherwood School District 88j Neighborhood: Sherwood - Tualatin

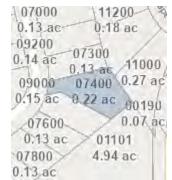
Legal: ATLEY ESTATES, LOT 10, ACRES 0.22

Ref Parcel #: 2S132AA-07400

Taxes: \$2,672.42 Market Value: \$316,000 Assessed Value: \$148,860

Sales Price: \$0

Transfer Date: 8/16/2021





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0.18 ac

11700

0.16 ac

11900

0.2 ac

12200

0.16 ac

Customer Service Department Phone: 503.219.8746(TRIO) Email: cs.oregon@firstam.com

Report Generated: 5/9/2022

Ref Parcel #: 2S132AA-11400

APN: R2036395

Taxes: \$6,608.29

Market Value: \$724,900

Sales Price: \$696,000

Transfer Date: 8/23/2021

Assessed Value: \$402,130

Legal Owner: Ryan & Cara Mcclung

Site Address: 22075 SW Chesapeake PI Sherwood, OR

Mailing Address: 11106 SW Oneida St Tualatin, OR 97062

Bedrooms: 6
Bathrooms: 6

Building SqFt: 3,306 Lot Acres: 0.21

Year Built: 1995

School District: Sherwood School District 88j

Neighborhood: Sherwood - Tualatin

Legal: CHESAPEAKE PARK, LOT 5, ACRES 0.21

APN: R2017802

Ref Parcel #: 2S132AA-09500

Taxes: \$3,011.88 Market Value: \$302,780 Assessed Value: \$167,770 Sales Price: \$81,000

Transfer Date: 3/7/2022

10000 0.12 ac. 09700 06700 06000 0.11 ac-0.13 ac 0.1 ac 06800-05900 09509 0 14 ac 0.1 ac 0.14 ac 06900-05800 0.14 ac 0.1 ac 09400 -07000 05700 0.12-ac 0.13 ac 0.1 ac 09200 05500

0.14 ac

Legal Owner: Katherine & James Mcburnett

Site Address: 14637 SW Brickyard Dr Sherwood, OR 97140 Mailing Address: 14637 SW Brickyard Dr Sherwood, OR

vialility Address. 14037 SW Blickyald Di Sileiwood, OK

Bedrooms: 2 Bathrooms: 3

Building SqFt: 1,773 Lot Acres: 0.14

Year Built: 1992

School District: Sherwood School District 88j

Neighborhood: Sherwood - Tualatin

Legal: ATLEY ESTATES, LOT 31, ACRES 0.14

11000 .09100 07300 0.27 ac 0.12 ac 0.13 ac 08900 07500 0.11 ac 0.15 ac 07700 07600 0.13 ac. 0.13 ac 07800 01101 0.13 ac 4.94 ac 07900

Legal Owner: Ola Hopkins

Site Address: 14730 SW Brickyard Dr Sherwood, OR 97140

Mailing Address: 14730 SW Brickyard Dr Sherwood, OR

Bedrooms: 0
Bathrooms: 2
Building SqFt: 1,752
Lot Acres: 0.13

Neighborhood: Sherwood - Tualatin

Year Built: 1993

School District: Sherwood School District 88j

Legal: ATLEY ESTATES, LOT 12, ACRES 0.13

APN: R2017779

Ref Parcel #: 2S132AA-07600

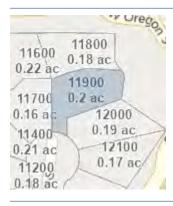
Taxes: \$2,571.09

Market Value: \$261,130

Assessed Value: \$143,220

Sales Price: \$104,000

Transfer Date: 7/5/1996



Legal Owner: Calla Lilly

Site Address: 22070 SW Chesapeake PI Sherwood, OR Mailing Address: 22070 SW Chesapeake PI Sherwood, OR

Bedrooms: 3
Bathrooms: 2
Building SqFt: 1,926
Lot Acres: 0.20

Year Built: 1994

School District: Sherwood School District 88j Neighborhood: Sherwood - Tualatin

Legal: CHESAPEAKE PARK, LOT PTS 9-10, ACRES 0.20

APN: R2036400

Ref Parcel #: 2S132AA-11900

Taxes: \$4,568.61 Market Value: \$433,050 Assessed Value: \$254,490 Sales Price: \$134,900 Transfer Date: 3/15/1995





Report Generated: 5/9/2022

06900 11300 0.14 ac 0.18 ac 09300 07100 0.14 ac 0.13 ac 11100 09200 -07200 0.21 ac 0.14 ac 0.13 ac 09100 07300 11000 0:12 ac 0.13-ac 0.27 ac 09000 01101 0.15 ac 4.94 ac

Legal Owner: David Krempley

Site Address: 14680 SW Brickyard Dr Sherwood, OR 97140

Mailing Address: 14680 SW Brickyard Dr Sherwood, OR

Bedrooms: 3 Bathrooms: 2

Building SqFt: 1,766 Lot Acres: 0.13

Year Built: 1994

School District: Sherwood School District 88j

Neighborhood: Sherwood - Tualatin

Legal: ATLEY ESTATES, LOT 8, ACRES 0.13

APN: R2017775

Ref Parcel #: 2S132AA-07200

Taxes: \$2,597.90 Market Value: \$267,630 Assessed Value: \$144,710

Sales Price: \$0 Transfer Date:

11400 0.21 ac 09400 0.12 ac 07000 11200 09300 0.13 ac_ 0.18 ac 0.14 ac - 67 100 0.13 ac 11100 0.21 ac 09200 07200 0.14 ac 0:13 ac 09000 07300 __11000 0.15 ac 0.13 ac 0.27 ac

Legal Owner: Meghan & Meghan Jackson

Site Address: 14672 SW Brickyard Dr Sherwood, OR 97140

Mailing Address: 14672 SW Brickyard Dr Sherwood, OR

Bedrooms: 0 Bathrooms: 2

Building SqFt: 1,474 Lot Acres: 0.13

Year Built: 1991

School District: Sherwood School District 88j

Neighborhood: Sherwood - Tualatin

Legal: ATLEY ESTATES, LOT 7, ACRES 0.13

APN: R2017774

Ref Parcel #: 2S132AA-07100

Taxes: \$2,946.08 Market Value: \$256,750 Assessed Value: \$164,100 Sales Price: \$156,350 Transfer Date: 8/23/2005

09600 06800 09500 0.15 ac 0.14 ac 0.14 ac 09400 07000-0.12 ac-0.13 ac 09300 07100 0.14 ac. 0.13 ac 09200 07200 0.14 ac 0.13 ac /06200 09000 1.02 ac 0.15 ac

Legal Owner: Holly Jackson & William Lewis

Site Address: 14665 SW Brickyard Dr Sherwood, OR 97140

Mailing Address: 32055 NE Corral Creek Rd Newberg, OR

Bedrooms: 0 Bathrooms: 2

Building SqFt: 1,568 Lot Acres: 0.14

Year Built: 1993

School District: Sherwood School District 88j

Neighborhood: Sherwood - Tualatin

Legal: ATLEY ESTATES, LOT 29, TRACT PT D, ACRES 0.14

APN: R2017800

Ref Parcel #: 2S132AA-09300

Taxes: \$3,083.30 Market Value: \$296,090 Assessed Value: \$171,750 Sales Price: \$308,000

Transfer Date: 8/30/2019



Legal Owner: J & L Rink Llc

Site Address: 21433 SW Oregon St Sherwood, OR 97140

Mailing Address: 21433 SW Oregon St Sherwood, OR 97140

Bedrooms: 0 Bathrooms: 0

Building SqFt: 154,399 Lot Acres: 4.62

Year Built: 0

School District: Sherwood School District 88j Neighborhood: Sherwood - Tualatin

Legal: ACRES 4.62

APN: R1032055

Ref Parcel #: 2S128C0-00202

Taxes: \$9,436.01

Market Value: \$1,112,640 Assessed Value: \$525,620



Customer Service Department Phone: 503.219.8746(TRIO) Email: cs.oregon@firstam.com Report Generated: 5/9/2022

Ref Parcel #: 2S132AA-12200

Taxes: \$4,783.28

APN: R2036403

Market Value: \$441,420 Assessed Value: \$266,450 Sales Price: \$235.100

Ref Parcel #: 2S132AA-09200

Transfer Date: 12/21/2009

APN: R2017796

Taxes: \$2,932.40

Market Value: \$289,960

Sales Price: \$151,900

Transfer Date: 8/23/2001

Assessed Value: \$163.340

11400 0.21 ac 12100 11300 0.17 ac 0.18 ac 12200 11200 0.16 ac 0.18 ac 00200 3.69 ac 11000 0.27 ac

Legal Owner: David Hiser

Site Address: 22100 SW Chesapeake Pl Sherwood, OR Mailing Address: 22100 SW Chesapeake Pl Sherwood, OR

Bedrooms: 3 Bathrooms: 3

Building SqFt: 2,035 Lot Acres: 0.16

Year Built: 1995

School District: Sherwood School District 88j

Neighborhood: Sherwood - Tualatin

Legal: CHESAPEAKE PARK, LOT 13, ACRES 0.16

09.500 06900 0.14 ac 0.14 ac 07100 09300 0.13 ac 0.14 ac. 09200 07200_ 0.14 ac 0.13 ac 06200 09100 07300 .02 ac 0.12 ac 0.13 ac Park 07400-08900 0/22 ac 0.11 ac

Legal Owner: Kenneth & Patricia Higgason

Site Address: 14673 SW Brickyard Dr Sherwood, OR 97140

Mailing Address: 14673 SW Brickyard Dr Sherwood, OR

Bedrooms: 3 Bathrooms: 2

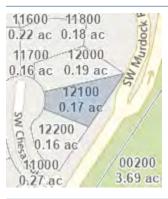
Building SqFt: 2,034 Lot Acres: 0.14

Year Built: 1994

School District: Sherwood School District 88j

Neighborhood: Sherwood - Tualatin

Legal: ATLEY ESTATES, LOT 28 & TRACT PT D, ACRES 0.14



Legal Owner: Preston & Rochelle Griffin

Site Address: 22090 SW Chesapeake Pl Sherwood, OR Mailing Address: 22090 SW Chesapeake Pl Sherwood, OR

Bedrooms: 3 Bathrooms: 3

Building SqFt: 2,160 Lot Acres: 0.17

Year Built: 1995

School District: Sherwood School District 88j

Neighborhood: Sherwood - Tualatin

Legal: CHESAPEAKE PARK, LOT 12, ACRES 0.17

APN: R2036402

Ref Parcel #: 2S132AA-12100

Taxes: \$4,797.52 Market Value: \$454,520 Assessed Value: \$267,240 Sales Price: \$304,500 Transfer Date: 10/28/2015

09400 07000 0.12 ac 0.13 ac 07200 09200 0.13 ac 0.14 ac 06200 09100 07300 1.02 ac 0.12 ac 0.13 ac 07400 09000 0.22 ac 0.15 ac 0.11 ac 08800 07.500 0.11 ac. 0.15 ac.

Legal Owner: Daniel Goodyear

Site Address: 14685 SW Brickyard Dr Sherwood, OR 97140 Mailing Address: 14685 SW Brickyard Dr Sherwood, OR

Bedrooms: 3 Bathrooms: 2

Building SqFt: 1,344 Lot Acres: 0.12

Year Built: 1993

School District: Sherwood School District 88j Neighborhood: Sherwood - Tualatin

Legal: ATLEY ESTATES, LOT 27, ACRES 0.12

APN: R2017795

Ref Parcel #: 2S132AA-09100

Taxes: \$1,957.95 Market Value: \$265,160 Assessed Value: \$109,060 Sales Price: \$113,000 Transfer Date: 7/31/1997



Customer Service Department
Phone: 503.219.8746(TRIO)
Email: cs.oregon@firstam.com

Report Generated: 5/9/2022

06500 09900-0:15 ac 0:18 ac 06100 09700 06700 0.1 ac 0.11 ac 0:13 ac -06000 09600 06800 0.1 ac 0.15 ac 06000 06200 09500 0.14 ac 1.02 ac 0.14 ac 06900 09400 05600 0.12 ac-0.14 ac 0.1 ac

Legal Owner: David Garcia & Marisol Vega

Site Address: 14625 SW Brickyard Dr Sherwood, OR 97140

Mailing Address: 14625 SW Brickyard Dr Sherwood, OR

Bedrooms: 0
Bathrooms: 2

Building SqFt: 1,782 Lot Acres: 0.15

Year Built: 1992

School District: Sherwood School District 88j

Neighborhood: Sherwood - Tualatin

Legal: ATLEY ESTATES, LOT 32, ACRES 0.15

APN: R2017803

Ref Parcel #: 2S132AA-09600

Taxes: \$2,898.17

Market Value: \$265,150 Assessed Value: \$212,020 Sales Price: \$410,000 Transfer Date: 11/16/2021

06900
0.14 ac 11200
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07200 11100
0.13 ac 0.21 ac
07300 11000
0.13 ac 0.27 ac
07500 01101 00200
0.15 ac 4.94 ac 3.69 ac

Legal Owner: Katharine Lingemann

Site Address: 22105 SW Chesapeake PI Sherwood, OR

Mailing Address: 22107 SW Chesapeake Pl Sherwood, OR

Bedrooms: 6
Bathrooms: 4

Building SqFt: 2,965 Lot Acres: 0.21

Year Built: 1997

School District: Sherwood School District 88j

Neighborhood: Sherwood - Tualatin

Legal: CHESAPEAKE PARK, LOT 2, ACRES 0.21

APN: R2036392

Ref Parcel #: 2S132AA-11100

Taxes: \$6,296.35

Market Value: \$559,380

Assessed Value: \$350,730

Sales Price: \$589,000

Transfer Date: 12/20/2021

00600 16.24 ac 11500 0.18 ac 0.22 ac 06600 0.16 ac 0.20 ac 06900 0.13 ac 0.16 ac 0.21 ac 0.21 ac 0.22 ac

Legal Owner: Empyrean Real Estate Llc

Site Address: 22045 SW Chesapeake Pl Sherwood, OR

Mailing Address: 13751 SW Rock Creek Rd Sheridan, OR Bedrooms: 3

Bathrooms: 2

Building SqFt: 2,559 Lot Acres: 0.22

Year Built: 1901

School District: Sherwood School District 88j

Neighborhood: Sherwood - Tualatin

Legal: CHESAPEAKE PARK, LOT PT 7, ACRES 0.22

APN: R2036397

Ref Parcel #: 2S132AA-11600

Taxes: \$3,352.10

Market Value: \$411,580

Assessed Value: \$186,720

Sales Price: \$331,000

Transfer Date: 9/26/2016

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06200 09800 0.6600

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0.14 ac

Legal Owner: Blake & Joan Elison

Site Address: 14615 SW Brickyard Dr Sherwood, OR 97140

Mailing Address: 14615 SW Brickyard Dr Sherwood, OR

Bedrooms: 3
Bathrooms: 2
Building SqFt: 1,337

uilding SqFt: 1,337 Lot Acres: 0.12

Year Built: 1993

School District: Sherwood School District 88j Neighborhood: Sherwood - Tualatin

Legal: ATLEY ESTATES, LOT 34, ACRES 0.12

APN: R2017805

Ref Parcel #: 2S132AA-09800

Taxes: \$2,974.54

Market Value: \$250,870

Assessed Value: \$165,690

Sales Price: \$172,825

Transfer Date: 6/23/2016





Legal Owner: Dahlke Lane Properties Llc

Site Address: 21425 SW Dahlke Ln Sherwood, OR 97140

Mailing Address: 4677 SE Concord Rd Portland, OR 97267

Bedrooms: 0 Bathrooms: 0

Building SqFt: 0 Lot Acres: 4.97

Year Built: 0

School District: Sherwood School District 88j

Neighborhood: Sherwood - Tualatin

Legal: ACRES 4.97

APN: R547493

Ref Parcel #: 2S128C0-00701

Taxes: \$550.00

Market Value: \$523,430 Assessed Value: \$37,280

Sales Price: \$0 Transfer Date:

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Legal Owner: Debra Clemmens

Site Address: 14723 SW Brickyard Dr Sherwood, OR 97140

Mailing Address: 14723 SW Brickyard Dr Sherwood, OR

Bedrooms: 2
Bathrooms: 3

Building SqFt: 1,340 Lot Acres: 0.15

Year Built: 1992

School District: Sherwood School District 88j

Neighborhood: Sherwood - Tualatin

Legal: ATLEY ESTATES, LOT 26, ACRES 0.15

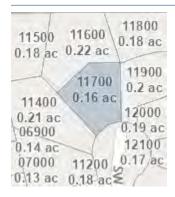
APN: R2017794

Ref Parcel #: 2S132AA-09000

Taxes: \$927.10

Market Value: \$177,140 Assessed Value: \$51,640

Sales Price: \$0 Transfer Date:



Legal Owner: Colleen & James Buckner

Site Address: 22065 SW Chesapeake PI Sherwood, OR

Mailing Address: 59 Margate St Daly City, CA 94015

Bedrooms: 3 Bathrooms: 3

Building SqFt: 1,780 Lot Acres: 0.16

Year Built: 1994

School District: Sherwood School District 88j

Neighborhood: Sherwood - Tualatin

Legal: CHESAPEAKE PARK, LOT 8, ACRES 0.16

APN: R2036398

Ref Parcel #: 2S132AA-11700

Taxes: \$4,359.68

Market Value: \$419,040

Assessed Value: \$242,850

Sales Price: \$362,000

Transfer Date: 3/18/2019

11600 06600 0.22 ac 0.13 ac 120,00 -06800 0.19 ac 0.14 ac 06900 11300 0.14 ac 0.18 ac 0.16 ac -07000 11200 0.13 ac-0.18 ac 07200 11000% 0.13 ac 0.27 ac.

Legal Owner: Sara & Anthony Betz

Site Address: 22085 SW Chesapeake Pl Sherwood, OR Mailing Address: 10014 SW Conestoga Dr APT 158

Bedrooms: 3
Bathrooms: 3

Building SqFt: 1,778 Lot Acres: 0.18

Year Built: 1995

School District: Sherwood School District 88j

Neighborhood: Sherwood - Tualatin

Legal: CHESAPEAKE PARK, LOT 4, ACRES 0.18

APN: R2036394

Ref Parcel #: 2S132AA-11300

Taxes: \$4,277.95

Market Value: \$418,020

Assessed Value: \$238,300

Sales Price: \$436,000

Transfer Date: 1/13/2021





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Customer Service Department Phone: 503.219.8746(TRIO) Email: cs.oregon@firstam.com Report Generated: 5/9/2022

APN: R2017768

Ref Parcel #: 2S132AA-06500

Taxes: \$2,350.49 Market Value: \$240,710 Assessed Value: \$130,930 Sales Price: \$137.500 Transfer Date: 7/6/2015

Legal Owner: Keith Beaumont Site Address: 14602 SW Brickyard Dr Sherwood, OR 97140 Mailing Address: 14602 SW Brickyard Dr Sherwood, OR Bedrooms: 0

Building SqFt: 1,080 Lot Acres: 0.15

Year Built: 1992

Bathrooms: 2

School District: Sherwood School District 88j Neighborhood: Sherwood - Tualatin

Legal: ATLEY ESTATES, LOT 1, ACRES 0.15

00600 16.24 ac 06300 SW Oregon St 0.19 ac 10200 03200 U.UZ ac 09900 0.11 ac 0.18 ac 06200. is 1.02 ac 03400 06000 09700 0.1 ac 0.1 ac 0.11 ac

Legal Owner: Atley Estates Hoa

Site Address: 14673 SW Oregon St Sherwood, OR 97140 Mailing Address: 14673 SW Brickyard Dr Sherwood, OR

Bedrooms: 0 Bathrooms: 0

Building SqFt: 0 Lot Acres: 0.02

Year Built: 0

School District: Sherwood School District 88j

Neighborhood: Sherwood - Tualatin

Legal Owner: Allied Systems Company

Legal: ATLEY ESTATES, LOT PT B, ACRES 0.02

Ref Parcel #: 2S132AA-10200

APN: R2017809

Taxes: \$0.00 Market Value: \$0 Assessed Value: \$0 Sales Price: \$0

Site Address: No Site Address, OR

Mailing Address: 21433 SW Oregon St Sherwood, OR 97140

Bedrooms: 0 Bathrooms: 0 Building SqFt: 0

Lot Acres: 0.00

Year Built: 0

School District: Sherwood School District 88j

Neighborhood: Sherwood - Tualatin

Legal: NO LEGAL

Transfer Date:

APN: R2024911

Ref Parcel #: 2S128C0-00201

Taxes: \$70,884.44

Market Value: \$3,833,580 Assessed Value: \$3,833,580

Sales Price: \$0 Transfer Date:



Legal Owner: Allied Systems Company Site Address: No Site Address, OR

Mailing Address: 21433 SW Oregon St Sherwood, OR 97140

Bedrooms: 0 Bathrooms: 0

Building SqFt: 0 Lot Acres: 0.00

Year Built: 0

School District: Sherwood School District 88j Neighborhood: Sherwood - Tualatin

Legal: NO LEGAL

APN: R2180039

Ref Parcel #: 2S128C0-00501

Taxes: \$5,946.15 Market Value: \$321,580 Assessed Value: \$321,580





00600 00400 16.24 ac 5.3 ac

W Orego

11600 11800
0.22 ac 0.18 ac

-11/00
0.16 ac 11900
0.2 ac

11400 12000 12100
0.21 ac 0.19 ac -0.17 ac

Legal Owner: 22060 Sw Chesapeake Place Llc APN: R2036399

Site Address: 22060 SW Chesapeake PI Sherwood, OR Ref Parcel #: 2S132AA-11800

Mailing Address: Po Box 1626 Sherwood, OR 97140 Taxes: \$3,783.11

Bedrooms: 3 Market Value: \$384,920
Bathrooms: 2 Assessed Value: \$210,730

Building SqFt: 1,716 Lot Acres: 0.18 Sales Price: \$207,000

Year Built: 1997 Transfer Date: 9/12/2005

School District: Sherwood School District 88j

Neighborhood: Sherwood - Tualatin

Legal: CHESAPEAKE PARK, LOT PT 7 & PTS 9-10, ACRES 0.18

Legal Owner: Washington County Facilities M APN: R2144297

Site Address: NS Unincorporated, OR Ref Parcel #: 2S128C0-00400

Mailing Address: 169 N 1st Ave # 42 Hillsboro, OR 97124 Taxes: \$0.00

Bedrooms: 0 Market Value: \$1,120

Bathrooms: 0 Assessed Value: \$0

Building SqFt: 0 Lot Acres: 0.07 Sales Price: \$0
Year Built: 0 Transfer Date:

School District: Sherwood School District 88j

Neighborhood: Sherwood - Tualatin Legal: ACRES 0.07, CODE SPLIT

Legal Owner: United States Of America Dept APN: R2019382

Site Address: NS Unincorporated, OR Ref Parcel #: 2S13300-02500

Mailing Address: 911 NE 11th Ave Portland, OR 97232 Taxes: \$0.00

Bedrooms: 0 Market Value: \$98,100
Bathrooms: 0 Assessed Value: \$0
Building SqFt: 0 Lot Acres: 19.62 Sales Price: \$0

Year Built: 0 Transfer Date:

School District: Sherwood School District 88j

Neighborhood: Sherwood - Tualatin

Legal: 1992-008 PARTITION PLAT, LOT 2, ACRES 19.62, CODE SPLIT

Legal Owner: Bruce D & Karen M Polley APN: R547466

Site Address: 21720 SW Oregon St Sherwood, OR 97140 Ref Parcel #: 2S128C0-00500

Mailing Address: Po Box 1489 Sherwood, OR 97140 Taxes: \$112.42

Bedrooms: 0 Market Value: \$6,000
Bathrooms: 0 Assessed Value: \$6,000
Building SqFt: 0 Lot Acres: 0.30 Sales Price: \$225,000
Year Built: 0 Transfer Date: 3/24/2008

School District: Sherwood School District 88j

Neighborhood: Sherwood - Tualatin

Legal: ACRES 0.3, UNZONED FARMLAND LIEN \$367.19, CODE SPLIT, LAND HOOK,





Legal Owner: Washington County

Site Address: 14200 SW Tualatin Sherwood Rd Sherwood,

Mailing Address: 14200 SW Tualatin Sherwood Rd Sherwood,

Bedrooms: 0
Bathrooms: 0

Building SqFt: 36,133 Lot Acres: 12.14

Year Built: 0

School District: Sherwood School District 88j

Neighborhood: Sherwood - Tualatin

Legal: ACRES 17.59

APN: R547411

Ref Parcel #: 2S128C0-00200

Taxes: \$63,846.81

Market Value: \$9,209,340 Assessed Value: \$3,556,550 Sales Price: \$111,000

Transfer Date: 3/1/2022



Legal Owner: Banc Of America

Site Address: No Site Address , OR

Mailing Address: Po Box 100918 Atlanta, GA 30384

Bedrooms: 0
Bathrooms: 0

Building SqFt: 0 Lot Acres: 0.00

Year Built: 0

School District: Sherwood School District 88j

Neighborhood: Sherwood - Tualatin

Legal: NO LEGAL

APN: R2161833

Ref Parcel #: 2S128C0-00201

Taxes: \$6,294.86 Market Value: \$340,440 Assessed Value: \$340,440

Sales Price: \$0 Transfer Date:



Legal Owner: Allied Systems Company

Site Address: No Site Address, OR

Mailing Address: 21433 SW Oregon St Sherwood, OR 97140

Bedrooms: 0
Bathrooms: 0

Building SqFt: 0 Lot Acres: 0.00

Year Built: 0

School District: Sherwood School District 88j

Neighborhood: Sherwood - Tualatin

Legal: NO LEGAL

APN: R2185802

Ref Parcel #: 2S128C0-00201

Taxes: \$1,231.63 Market Value: \$69,220 Assessed Value: \$68,600

Sales Price: \$0 Transfer Date:



Legal Owner: J & L Rink Llc

Site Address: 21433 SW Oregon St Sherwood, OR 97140

Mailing Address: 21433 SW Oregon St Sherwood, OR 97140

Bedrooms: 0 Bathrooms: 0

Building SqFt: 154,399 Lot Acres: 7.68

Year Built: 0

School District: Sherwood School District 88j

Neighborhood: Sherwood - Tualatin

Legal: ACRES 7.68

APN: R955862

Ref Parcel #: 2S128C0-00201

Taxes: \$135,209.19 Market Value: \$7,819,250 Assessed Value: \$7,531,770





Legal Owner: Allied Systems Company

Site Address: 21555 SW Oregon St Sherwood, OR 97140

Mailing Address: 21433 SW Oregon St Sherwood, OR 97140

Bedrooms: 0
Bathrooms: 0

Building SqFt: 0 Lot Acres: 12.32

Year Built: 0

School District: Sherwood School District 88j

Neighborhood: Sherwood - Tualatin

Legal: ACRES 21.74

APN: R989657

Ref Parcel #: 2S128C0-00501

Taxes: \$156,579.86 Market Value: \$9,026,150 Assessed Value: \$8,722,210



Exhibit J: CWS Service Provider Letter



Service Provider Letter

CWS File Number	
21-001024	

This form and the attached conditions will serve as your Service Provider Letter in accordance with Clean Water Services Design and Construction Standards (R&O 19-5, as amended by R&O 19-22).

Jurisdiction:	City of Sherwood	Review Type:	Tier 2 An	alysis
Site Address	21720 SW Oregon ST	SPL Issue Date:	May 12, 2	2021
/ Location:	Sherwood, OR 97140	SPL Expiration D	Date: May 12, 2	2023
Applicant Infor	mation:	Owner Information	on:	
Name	STACEY REED	Name	BRUCE POLLEY	
Name	OTAGET REED		OREGON STREET E	BUSINESS PARK
Company	AKS ENGINEERING & FORESTRY LLC	Company .	LLC DO DOY 1400	
Address	12965 SW HERMAN RD SUITE 100	Address	PO BOX 1489	
	TUALATIN, OR 97062		SHERWOOD, OR 97	′140
Phone/Fax	(503) 563-6151	Phone/Fax	(503) 625-7058	
E-mail:	staceyr@aks-eng.com	E-mail:	bruce@airteknw.com	1
	Tax lot ID		Development Acti	vity
2S128C000	500	Oregon Street	t Business Park	
_2S128C000	501	Off-site Sanita	ary Sewer Connection	
Pre-Development Site Conditions: Sensitive Area Present: X On-Site X Off-Site Vegetated Corridor Width: 50 Vegetated Corridor Condition: Marginal/Degraded Post Development Site Conditions: Sensitive Area Present: X On-Site X Off-Site Vegetated Corridor Width: Variable				
- Vegetated Com	wargina, begraded			
Enhancement of Vegetated Corr	of Remaining ridor Required:	Square Footage	e to be enhanced:	
	Encroachments into Pre-Dev	elopment Vegetated	Corridor:	
Type and location	on of Encroachment:			Square Footage:
Stormwater Facility (Permanent Encroachment; Mitigation Required)			19,304	
	fall (Permanent Encroachment; No Mitigation Re		n nlago Doguirod\	100
On-site Sanitary	Sewer Connection (Temporary Encroachment;	Restoration Planting I	n-piace Required)	994
	Mitigation R	equirements:		
Type/Location				Sq. Ft./Ratio/Cost
	VC Mitigation Requirement for VC Encroachmer etland Mitigation Bank Purchase	nt Associated with We	tland Impacts is	
Public Benefit M	•			1,128
	<u> </u>			
X Conditions	Attached X Development Figures Attached	(3) Planting Plar	n Attached Geote	ech Report Required

This Service Provider Letter does NOT eliminate the need to evaluate and protect water quality sensitive areas if they are subsequently discovered on your property.

21-001024

In order to comply with Clean Water Services water quality protection requirements the project must comply with the following conditions:

- 1. No structures, development, construction activities, gardens, lawns, application of chemicals, uncontained areas of hazardous materials as defined by Oregon Department of Environmental Quality, pet wastes, dumping of materials of any kind, or other activities shall be permitted within the sensitive area or Vegetated Corridor which may negatively impact water quality, except those allowed in R&O 19-5, Chapter 3, as amended by R&O 19-22.
- 2. Prior to any site clearing, grading or construction the Vegetated Corridor and water quality sensitive areas shall be surveyed, staked, and temporarily fenced per approved plan. During construction the Vegetated Corridor shall remain fenced and undisturbed except as allowed by R&O 19-5, Section 3.06.1, as amended by R&O 19-22 and per approved plans.
- 3. Prior to activity within the sensitive area, the applicant shall gain authorization for the project from the Oregon Department of State Lands (DSL) and US Army Corps of Engineers (USACE). The applicant shall provide Clean Water Services or its designee (appropriate city) with copies of all DSL and USACE project authorization permits.
- 4. An approved Oregon Department of Forestry Notification is required for one or more trees harvested for sale, trade, or barter, on any non-federal lands within the State of Oregon.
- 5. Prior to any ground disturbing activities, an erosion control permit is required. Appropriate Best Management Practices (BMP's) for Erosion Control, in accordance with Clean Water Services' Erosion Prevention and Sediment Control Planning and Design Manual, shall be used prior to, during, and following earth disturbing activities.
- 6. Prior to construction, a Stormwater Connection Permit from Clean Water Services or its designee is required pursuant to Ordinance 27, Section 4.B.
- 7. Activities located within the 100-year floodplain shall comply with R&O 19-5, Section 5.10, as amended by R&O 19-22.
- 8. Removal of native, woody vegetation shall be limited to the greatest extent practicable.
- 9. The water quality swale and detention pond shall be planted with Clean Water Services approved native species, and designed to blend into the natural surroundings.
- 10. Should final development plans differ significantly from those submitted for review by Clean Water Services, the applicant shall provide updated drawings, and if necessary, obtain a revised Service Provider Letter.
- 11. For remaining on-site Vegetated Corridors up to 50 feet wide, the applicant shall enhance the entire Vegetated Corridor to meet or exceed good corridor condition as defined in R&O 19-5, Section 3.14.2, Table 3-3, as amended by R&O 19-22.
- 12. Prior to any site clearing, grading or construction, the applicant shall provide Clean Water Services with a Vegetated Corridor enhancement/restoration plan. Enhancement/restoration of the Vegetated Corridor shall be provided in accordance with R&O 19-5, Appendix A, as amended by R&O 19-22, and shall include planting specifications for all Vegetated Corridor, including any cleared areas larger than 25 square feet in Vegetated Corridor rated ""good.""
- 13. Prior to installation of plant materials, all invasive vegetation within the Vegetated Corridor shall be removed per methods described in Clean Water Services' Integrated Pest Management Plan, 2019. During removal of invasive vegetation care shall be taken to minimize impacts to existing native tree and shrub species.
- 14. Clean Water Services and/or City shall be notified 72 hours prior to the start and completion of enhancement/restoration activities. Enhancement/restoration activities shall comply with the guidelines provided in Planting Requirements (R&0 19-5, Appendix A, as amended by R&O 19-22).
- 15. Maintenance and monitoring requirements shall comply with R&O 19-5, Section 2.12.2, as amended by R&O 19-22. If at any time during the warranty period the landscaping falls below the 80% survival level, the owner shall reinstall all deficient planting at the next appropriate planting opportunity and the two year maintenance period shall begin again from the date of replanting.

21-001024

- 16. Performance assurances for the Vegetated Corridor shall comply with R&O 19-5, Section 2.07.2, Table 2-1 and Section 2.11, Table 2-2, as amended by R&O 19-22.
- 17. Clean Water Services shall require an easement over the Sensitive Area and Vegetated Corridor conveying storm and surface water management to Clean Water Services or the City that would prevent the owner of the Vegetated Corridor from activities and uses inconsistent with the purpose of the corridor and any easements therein.
- 18. Final construction plans shall include landscape plans. In the details section of the plans, a description of the methods for removal and control of exotic species, location, distribution, condition and size of plantings, existing plants and trees to be preserved, and installation methods for plant materials is required. Plantings shall be tagged for dormant season identification and shall remain on plant material after planting for monitoring purposes.
- 19. A Maintenance Plan shall be included on final plans including methods, responsible party contact information, and dates (minimum two times per year, by June 1 and September 30).
- 20. Final construction plans shall clearly depict the location and dimensions of the sensitive area and the Vegetated Corridor (indicating good, marginal, or degraded condition). Sensitive area boundaries shall be marked in the field.
- 21. Protection of the Vegetated Corridors and associated sensitive areas shall be provided by the installation of permanent fencing and signage between the development and the outer limits of the Vegetated Corridors. Fencing and signage details to be included on final construction plans.

This Service Provider Letter is not valid unless CWS-approved site plan is attached.

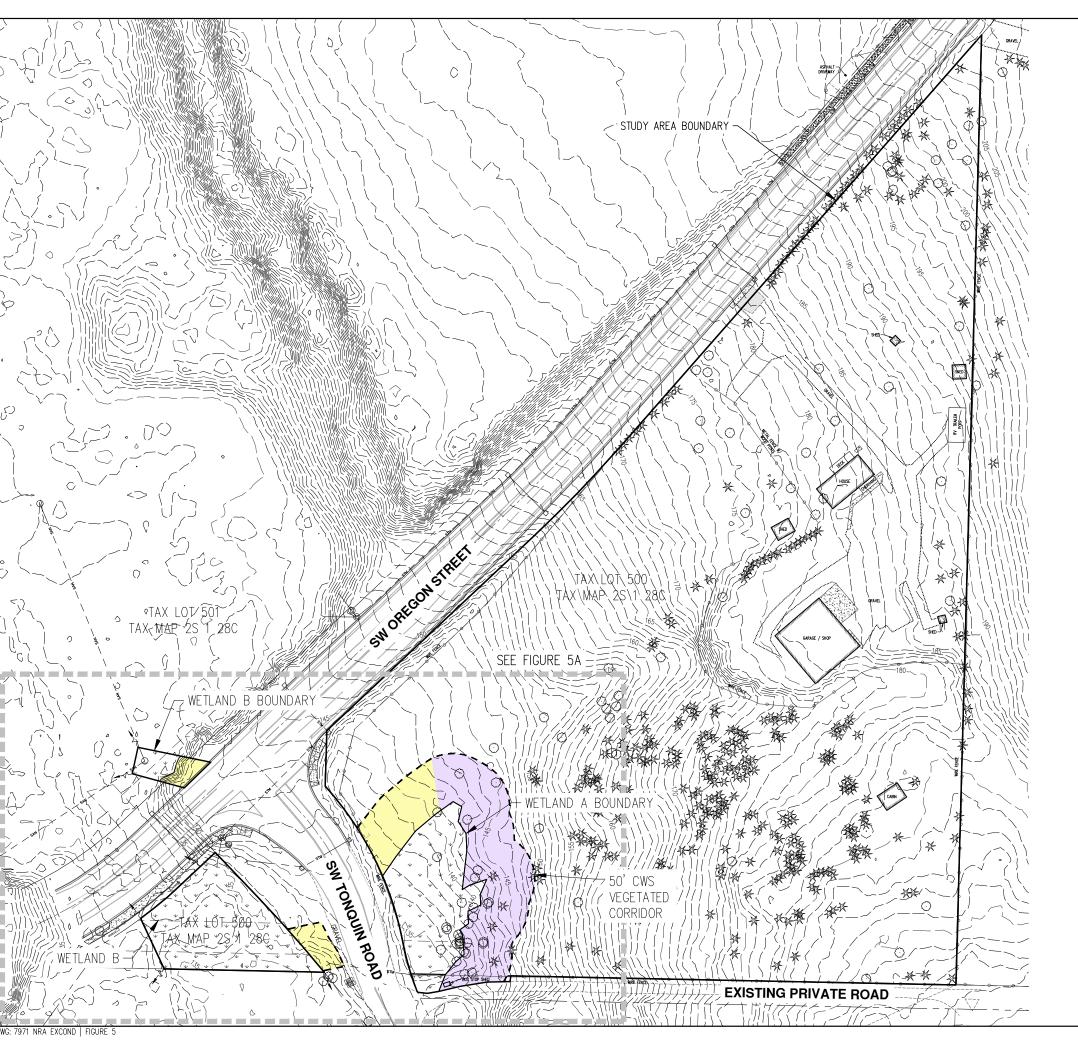
Please call (503) 681-3667 with any questions.

Stacy Benjamin

Environmental Plan Review

Stacy Benjamin

Attachments (3)



CWS FILE NO. 21-001024 Approved
Clean Water Services
FOR ENVIRONMENTAL REVIEW
By SWB Date 5/12/2021 SPL ATTACHMENT 1

LEGEND (COLOR COPY):

TOTAL ON-SITE WETLAND: 26,307 SF± (0.60 ACRES±)

PSS/PEM/SLOPE WETLAND A:11,978 SF± (0.27 ACRES±) PEM/SLOPE/RIVERINE WETLAND B:14,329 SF± (0.33 ACRES±)

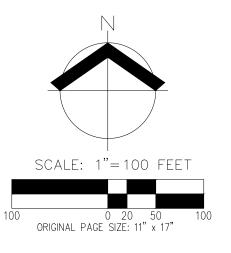
MARGINAL CONDITION VC ON-SITE: 14,375 SF± (0.33 ACRES±) DEGRADED CONDITION VC ON-SITE: 7,237 SF± (0.17 ACRES±)



PHOTO LOCATIONS & ORIENTATION

WETLAND BOUNDARIES SHOWN WERE DELINEATED BY AKS ENGINEERING & FORESTRY, LLC ON MARCH 8, 2021 AND WERE PROFESSIONALLY LAND SURVEYED BY AKS ON MARCH 10, 2021.

1-FOOT INTERVAL GROUND CONTOURS DERIVED FROM NOAA LIDAR. EXISTING CONDITIONS AND STUDY AREA ARE DERIVED FROM LAND SURVEY WITH SUB-METER ACCURACY.



DATE: 04/12/2021

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7971

NATURAL RESOURCES EXISTING CONDITIONS OVERVIEW

POLLEY INDUSTRIAL NATURAL RESOURCE ASSESSMENT

AKS ENGINEERING & FORESTRY, LLC 12965 SW HERMAN RD, STE 100 TUALATIN, OR 97062 503.563.6151 WWW.AKS-ENG.COM

<u> NRWN:</u> SK 1 HKD: SAR AKS JOB:

